



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 5-5205-00015/00007
Mod 0 Effective Date: 07/12/2003 Expiration Date: No expiration date.
Mod 2 Effective Date: 01/14/2010 Expiration Date: No expiration date.

Permit Issued To: CITY OF GLENS FALLS
42 RIDGE ST
GLENS FALLS, NY 12801-3610

Contact: STEVE D GURZLER
GLENS FALLS STP
2 SHERMANTOWN RD
GLENS FALLS, NY 12801
(518) 761-3850

Facility: GLENS FALLS STP
2 SHERMANTOWN RD
GLENS FALLS, NY 12801

Description:
The City of Glens Falls Wastewater Treatment Plant is a municipal wastewater treatment facility located in the City of Glens Falls, Warren County. At this facility, primary and secondary treatment of wastewater is performed and the resultant sludge is burned in a fluidized bed incinerator. Sources at this facility are regulated primarily under 40CFR 60, Subparts O and A; 40CFR 61, Subparts C and E; and 6NYCRR Parts 200, 201, 202, 211, 212, 257 and Subpart 225-1.

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: MARC S MIGLIORE
NYSDEC
232 GOLF COURSE RD PO BOX 220
WARRENSBURG, NY 12885-0220

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 compliance 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 any 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 5 SUBOFFICE
- Submission of application for permit modification or renewal-REGION 5 SUBOFFICE - WARRENSBURG



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

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

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

Condition 2-1: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 2-1.1:

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 2-1.2:

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 2-1.3:

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.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



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

Applicable State Requirement: 6 NYCRR 621.13

Item 2-2.1:

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: 6 NYCRR 621.14

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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



**** Facility Level ****

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 5
SUBOFFICE**

Applicable State Requirement: 6 NYCRR 621.5 (a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 5 Sub-office
Division of Environmental Permits
232 Hudson St, PO Box 220
Warrensburg, NY 12885-0220
(518) 623-1281

**Condition 2-3: Submission of application for permit modification or
renewal-REGION 5**

SUBOFFICE - WARRENSBURG

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 2-3.1:

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

NYSDEC Regional Permit Administrator
Region 5 Sub-office
Division of Environmental Permits
232 Golf Course Road, PO Box 220
Warrensburg, NY 12885-0220
(518) 623-1281

New York State Department of Environmental Conservation

Permit ID: 5-5205-00015/00007

Facility DEC ID: 5520500015



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

IDENTIFICATION INFORMATION

Permit Issued To: CITY OF GLENS FALLS
42 RIDGE ST
GLENS FALLS, NY 12801-3610

Facility: GLENS FALLS STP
2 SHERMANTOWN RD
GLENS FALLS, NY 12801

Authorized Activity By Standard Industrial Classification Code:
4952 - SEWERAGE SYSTEMS
4953 - REFUSE SYSTEMS

Mod 0 Permit Effective Date: 07/12/2003
date.

Permit Expiration Date: No expiration

Mod 2 Permit Effective Date: 01/14/2010
date.

Permit Expiration Date: No expiration



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Emission Unit Level

EU=U-INCIN,Proc=SL4

- 1 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 2 40CFR 60.7(a)(4), NSPS Subpart A: Compliance Demonstration
- 3 40CFR 60.7(b), NSPS Subpart A: Compliance Demonstration
- 4 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
- 5 40CFR 60.7(f), NSPS Subpart A: Compliance Demonstration
- 6 40CFR 60.13, NSPS Subpart A: Compliance Demonstration
- 2-1 40CFR 60.153(a)(1), NSPS Subpart O: Compliance Demonstration
- 8 40CFR 60.153(a)(2), NSPS Subpart O: Access to sludge charged for sampling
- 2-2 40CFR 60.153(b)(1), NSPS Subpart O: Compliance Demonstration
- 2-3 40CFR 60.153(b)(2), NSPS Subpart O: Compliance Demonstration
- 11 40CFR 60.153(b)(3), NSPS Subpart O: Compliance Demonstration
- 12 40CFR 60.153(b)(4), NSPS Subpart O: Compliance Demonstration
- 13 40CFR 61.05(a), NESHAP Subpart A: Compliance Demonstration
- 14 40CFR 61.32(a), NESHAP Subpart C: Compliance Demonstration
- 15 40CFR 61.52(b), NESHAP Subpart E: Compliance Demonstration

EU=U-INCIN,EP=00001

- 2-4 40CFR 60.152(a)(1), NSPS Subpart O: Compliance Demonstration
- 17 40CFR 60.152(a)(2), NSPS Subpart O: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 18 ECL 19-0301: Contaminant List
- 2-5 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 19 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 20 6 NYCRR Subpart 201-5: Emission Unit Definition
- 2-6 6 NYCRR 211.2: Air pollution prohibited
- 22 6 NYCRR 225-1.2 (a) (2): Compliance Demonstration

Emission Unit Level

- 23 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 24 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

EU=U-INCIN

- 25 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications

EU=U-INCIN,Proc=SL1

- 26 6 NYCRR 211.2: Compliance Demonstration

EU=U-INCIN,Proc=SL2

- 27 6 NYCRR 211.2: Compliance Demonstration



EU=U-INCIN,Proc=SL4

- 2-7 6 NYCRR 212.4 (a): Compliance Demonstration
- 29 6 NYCRR 212.4 (a): Compliance Demonstration
- 30 6 NYCRR 212.4 (a): Compliance Demonstration

EU=U-INCIN,EP=00005,Proc=SL1

- 31 6 NYCRR Subpart 257-10: Compliance Demonstration

EU=U-WWTP1

- 32 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications

EU=U-WWTP1,Proc=WW1

- 33 6 NYCRR 211.2: Compliance Demonstration
- 34 6 NYCRR 211.2: Compliance Demonstration
- 35 6 NYCRR 211.2: Compliance Demonstration

EU=U-WWTP1,Proc=WW2

- 36 6 NYCRR 211.2: Compliance Demonstration

EU=U-WWTP1,Proc=WW2,ES=PRTNK

- 37 6 NYCRR Subpart 257-10: Compliance Demonstration

EU=U-WWTP1,EP=00006,Proc=WW1

- 38 6 NYCRR Subpart 257-10: Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS
****** Emission Unit Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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.

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

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

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

Item E: Emergency Defense - 6 NYCRR 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 F: Recycling and Salvage - 6 NYCRR 201-1.7

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

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

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

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

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

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

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

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



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

Item K: Visible Emissions Limited - 6 NYCRR 211.3

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

Item L: Open Fires - 6 NYCRR Part 215

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

Item M: Permit Exclusion - ECL 19-0305

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

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

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



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain and furnish the Administrator and this office with the following information:

- a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40CFR Part 60. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 3: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 3.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



Condition 4: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.7(c), NSPS Subpart A

Item 4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit excess emissions and monitoring systems performance report (excess emissions are defined in the applicable subparts) to the Administrator semi-annually based upon the calendar year (or more frequently as required by the applicable Subpart or the Administrator). These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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



Condition 5: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.7(f), NSPS Subpart A

Item 5.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 6: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 6.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall check the zero (or low-level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts of all continuous emission monitoring systems at least once daily



in accordance with a written procedure. The zero and span shall, as a minimum, be adjusted whenever the 24-hour zero drift or 24-hour span drift exceeds two times the limits of the applicable performance specifications in appendix B (of 40CFR 60). The system must allow the amount of excess zero and span drift measured at the 24-hour interval checks to be recorded and quantified, whenever specified.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-1: Compliance Demonstration

Effective between the dates of 01/14/2010 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.153(a)(1), NSPS Subpart O

Replaces Condition(s) 7

Item 2-1.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Item 2-1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Source owner or operator shall install, calibrate, maintain, and operate a flow measuring device which can be used to determine either the mass or volume of sludge charged to the incinerator.

To satisfy this requirement, source owner will use a flow measuring device in conjunction with daily laboratory solids analyses to determine the mass of sludge charged to the incinerator. The calculated rate of charge to the incinerator from sludge cake operations (e.g., belt filter and outside cake) shall be added to the rate of charge from other plant operations (e.g., grease/scum systems) to determine the combined hourly rate of sludge charged to the incinerator for every hour of each day that the incinerator is in operation.

All flow measuring devices shall be certified by the manufacturer to have an accuracy of plus or minus 5 percent over its operating range. These devices shall be operated and data recorded during all periods of operation of the incinerator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 8: Access to sludge charged for sampling
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.153(a)(2), NSPS Subpart O

Item 8.1:

This Condition applies to Emission Unit: U-INCIN
Process: SL4

Item 8.2:

§ 60.153 Monitoring of operations.

(a) The owner or operator of any sludge incinerator subject to the provisions of this subpart shall:

(2) Provide access to the sludge charged so that a well-mixed representative grab sample of the sludge can be obtained.

Condition 2-2: Compliance Demonstration
Effective between the dates of 01/14/2010 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.153(b)(1), NSPS Subpart O

Replaces Condition(s) 9

Item 2-2.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: SL4

Item 2-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Source owner or operator shall install, calibrate, maintain, and operate a monitoring device that continuously measures and records the pressure drop of the gas flow through the wet scrubbing device. The device used to monitor scrubber pressure drop shall be certified by the manufacturer to be accurate within plus or minus 1 inch of water gauge and shall be calibrated on an annual basis in accordance with the manufacturer's instructions.

Source owner or operator shall retain records of the measured pressure drop of the gas flow through the wet scrubbing device and make it available for inspection by the Administrator for a minimum of 2 years.



Source owner or operator shall submit to the Administrator semi-annually a written report containing the average scrubber pressure drop measurements for each period of 15 minutes duration or more during which the pressure drop of the scrubber was less than 9.9 inches of water column, or as reestablished based on the most recent approved performance test.

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 7/30/2010.

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

Condition 2-3: Compliance Demonstration
Effective between the dates of 01/14/2010 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.153(b)(2), NSPS Subpart O

Replaces Condition(s) 10

Item 2-3.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Item 2-3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Source owner or operator shall install, calibrate, maintain, and operate a monitoring device that continuously measures and records the oxygen content of the incinerator exhaust gas. It shall be located upstream of any rabble shaft cooling air inlet into the incinerator exhaust gas stream, fan, ambient air recirculation damper, or any other source of dilution air. The oxygen monitoring device shall be certified by the manufacturer to have a relative accuracy of plus or minus 5 percent over its operating range and shall be calibrated according to method(s) prescribed by the manufacturer at least once each 24-hour operating period.

Source owner or operator shall retain records of the measured oxygen content of the incinerator exhaust gas and make it available for inspection by the Administrator for a minimum of 2 years.



Source owner or operator shall submit to the Administrator semi-annually a written report containing the average oxygen content of the incinerator exhaust gas for each period of 1-hour duration or more during which the oxygen content of the incinerator exhaust gas exceeded 15.6 percent, or as reestablished based on the most recent approved performance test. The oxygen content shall be measured by the Anarad extractive monitor, or other approved monitor, located in the stack after the scrubbers.

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 7/30/2010.

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

Condition 11: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.153(b)(3), NSPS Subpart O

Item 11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Source owner or operator shall install, calibrate, maintain, and operate temperature measuring devices in the bed and outlet of the fluidized bed incinerator. Each temperature measuring device shall be certified by the manufacturer to have an accuracy of plus or minus 5 percent over its operating range. These devices shall be operated and data recorded during all periods of operation of the incinerator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 12: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.153(b)(4), NSPS Subpart O



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 14: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 61.32(a), NESHAP Subpart C

Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

In order to ascertain compliance or non-compliance with this standard, source owner or operator may be required to submit an acceptable report of measured emissions (i.e., stack test report) within a stated time per 6NYCRR 202-1.1.

If required to submit the stack test report noted above, source owner or operator shall notify the Department, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include an acceptable test protocol. Department representative(s) shall be allowed free access to observe such stack testing.

The testing shall be conducted using USEPA Method 104 of Appendix B (40CFR 61) with the incorporation of the requirements described under sub-paragraphs 61.33(c) and (d) of 40CFR 61, Subpart C. As an alternative, Method 103 of Appendix B (40CFR 61) may be used instead of Method 104.

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

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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.

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 10 grams

Reference Test Method: USEPA Method 104

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 15: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 61.52(b), NESHAP Subpart E

Item 15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions to the atmosphere from the incinerator shall not exceed 3200 grams of mercury per 24-hour period.

In order to ascertain compliance or non-compliance with this standard, source owner or operator may be required to submit an acceptable report of measured emissions within a stated time per 6NYCRR 202-1.1.

If required to submit the report noted above, source owner or operator shall notify the Department, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include an acceptable test protocol. Department representative(s) shall be allowed free access to observe such testing.

The testing shall be conducted using USEPA Method 101A of Appendix B (40CFR 61) and the procedures specified in paragraphs 61.53(d)(4) and (5) of 40CFR 61, Subpart E. As



an alternative, Method 105 of Appendix B (40CFR 61) and the procedures specified in subdivisions 61.54(c), (e) and (f) of 40CFR 61, Subpart E, may be used.

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

If mercury emissions exceed 1600 grams per 24-hour period, source owner or operator shall monitor mercury emissions at intervals of at least once per year as specified in subdivision 61.55(a) of 40CFR 61, Subpart E.

Records of emission test results and other data needed to determine total emissions, or 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.

Parameter Monitored: MERCURY

Upper Permit Limit: 3200 grams

Reference Test Method: USEPA Method 101A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-4: Compliance Demonstration
Effective between the dates of 01/14/2010 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.152(a)(1), NSPS Subpart O

Replaces Condition(s) 16

Item 2-4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Source owner or operator shall not discharge or cause the



Monitoring Description:

Source owner or operator shall not discharge or cause the discharge into the atmosphere of any gases which exhibit 20 percent opacity or greater from the sewage sludge incinerator. Operator shall perform the following:

1) Observe the stack once per day for visible emissions. This observation 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:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point 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.

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION





STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

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

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.



Condition 18: Contaminant List

Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 18.1:

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

CAS No: 007439-97-6
Name: MERCURY

CAS No: 007440-41-7
Name: BERYLLIUM

CAS No: 007783-06-4
Name: HYDROGEN SULFIDE

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

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

Condition 2-5: Unavoidable noncompliance and violations

Effective between the dates of 01/14/2010 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 2-5.1:

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

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard



in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

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

Condition 19: Unavoidable noncompliance and violations
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 19.1:

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 supersede 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 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 20: Emission Unit Definition
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 20.1(From Mod 2):

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

Emission Unit: U-INCIN

Emission Unit Description:

Sludge handling and incineration. Fluidized bed incinerator (with 3080 dry lbs/hr capacity) permitted for a maximum feed rate of 2000 lb/hr sludge on a dry basis. Sludge is considered the total of all inputs charged to the incinerator including belt filter cake, outside cake, and grease/scum. Annual emissions are based on an assumption of 24 hrs/day, 365 days per year at 2000 lb/hr feed rate. Actual emissions controlled by a venturi scrubber and an impingement plate scrubber.

Building(s): SLBLD

Item 20.2(From Mod 0):

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Facility DEC ID: 5520500015



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

Emission Unit: U-WWTP1

Emission Unit Description:

Wastewater treatment plant.

Building(s): BGBLD

INBLD

Condition 2-6: Air pollution prohibited
Effective between the dates of 01/14/2010 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2

Replaces Condition(s) 21

Item 2-6.1:

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 22: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

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

Item 22.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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



Condition 23: Emission Point Definition By Emission Unit
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 23.1(From Mod 2):

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

Emission Unit: U-INCIN

Emission Point: 00001
Height (ft.): 100 Diameter (in.): 24
NYTMN (km.): 4796.224 NYTME (km.): 610.032 Building: SLBLD

Emission Point: 00005
Height (ft.): 7 Diameter (in.): 10
Building: SLBLD

Emission Point: 00010
Height (ft.): 20 Diameter (in.): 24
Building: SLBLD

Emission Point: 00011
Height (ft.): 20 Diameter (in.): 24
Building: SLBLD

Emission Point: 00012
Height (ft.): 34 Diameter (in.): 24
Building: SLBLD

Emission Point: 00013
Height (ft.): 34 Diameter (in.): 24
Building: SLBLD

Emission Point: 00002
Height (ft.): 14 Diameter (in.): 2
NYTMN (km.): 4796.224 NYTME (km.): 610.032

Emission Point: 00003
Height (ft.): 14 Diameter (in.): 2
NYTMN (km.): 4796.224 NYTME (km.): 610.032

Emission Point: 00004
Height (ft.): 14 Diameter (in.): 2

Item 23.2(From Mod 0):

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

Emission Unit: U-WWTP1

Emission Point: 00006

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Height (ft.): 7 Diameter (in.): 8

Building: INBLD

Emission Point: 00007

Height (ft.): 21

Diameter (in.): 16

Building: BGBLD

Emission Point: 00008

Height (ft.): 12

Diameter (in.): 12

Building: BGBLD

Emission Point: 00009

Height (ft.): 12

Diameter (in.): 12

Building: BGBLD

**Condition 24: Process Definition By Emission Unit
Effective between the dates of 07/12/2003 and Permit Expiration Date**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 24.1(From Mod 2):

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

Emission Unit: U-INCIN

Process: SL4

Source Classification Code: 5-01-005-16

Process Description: Fluidized bed sludge incinerator.

Emission Source/Control: IMPSC - Control

Control Type: IMPINGEMENT PLATE SCRUBBER

Emission Source/Control: VENSC - Control

Control Type: VENTURI SCRUBBER

Emission Source/Control: FLBED - Incinerator

Design Capacity: 3,080 pounds per hour

Waste Feed Method: AUTOMATIC RAM FEED

Waste Type: SEWAGE SLUDGE

Item 24.2(From Mod 2):

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

Emission Unit: U-INCIN

Process: SL6

Source Classification Code: 5-01-007-99

Process Description:

Grease Handling System - Plant generated grease (scum) and merchant grease trap waste (restaurant-source only) are pumped through the flotation tank (ES. no. FLTTK) where it is separated by gravity, and skimmed by a top chain and flight collector to the preparation tank (concentrator) (ES. no. PREPT). This thickened grease is pumped periodically to the sewage sludge incinerator, and combined with sludge cake, to promote an autogenous burn



and reduce auxiliary fuel oil usage. The thickened grease may also be pumped to the concentrated grease tank (ES. no. CNGRT) for additional storage prior to incineration. Air emissions from the flotation and preparation tanks are vented in the sludge building (SLBLD) which eventually exhausts through building vents (EPs. 00010, 11, 12, & 13). The concentrated grease tank vents to the sludge cake storage area which is controlled by an activated carbon system (ES. no. CNTL4) and exhausts through EP 00005.

In addition, concentrated grease received from merchants (e.g., Alternative Energy Grease), may be pumped directly to the concentrated grease tank (ES. no. CNGRT) for storage prior to incineration.

Emission Source/Control: CNTL4 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CNGRT - Process
Design Capacity: 10,000 gallons

Emission Source/Control: FLTTK - Process

Emission Source/Control: PREPT - Process

Item 24.3(From Mod 0):

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

Emission Unit: U-INCIN
Process: SL1 Source Classification Code: 5-01-007-99
Process Description: Sludge cake receiving and storage.

Emission Source/Control: CNTL4 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: SLREC - Process

Emission Source/Control: SLSTR - Process

Item 24.4(From Mod 0):

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

Emission Unit: U-INCIN
Process: SL2 Source Classification Code: 5-01-007-91
Process Description: Combined primary and secondary sludge storage.

Emission Source/Control: CNTL1 - Control
Control Type: CHEMICAL OXIDATION

Emission Source/Control: CNTL2 - Control
Control Type: CHEMICAL OXIDATION



Emission Source/Control: CNTL3 - Control
Control Type: CHEMICAL OXIDATION

Emission Source/Control: TANK1 - Process

Emission Source/Control: TANK2 - Process

Item 24.5(From Mod 0):

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

Emission Unit: U-INCIN
Process: SL3 Source Classification Code: 5-01-007-69
Process Description: Sludge cake thickening and dewatering process.

Emission Source/Control: BLTPR - Process

Emission Source/Control: SLTHK - Process

Item 24.6(From Mod 0):

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

Emission Unit: U-INCIN
Process: SL5 Source Classification Code: 5-01-007-99
Process Description: Ash handling and storage.

Emission Source/Control: ASHLG - Process

Item 24.7(From Mod 0):

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

Emission Unit: U-WWTP1
Process: WW1 Source Classification Code: 5-01-007-01
Process Description:
Influent/septage receiving and processing through bar
grates and grit chamber.

Emission Source/Control: CNTL5 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: BGDMP - Process

Emission Source/Control: BGTNK - Process

Emission Source/Control: GRDMP - Process

Emission Source/Control: GRTNK - Process

Emission Source/Control: HDTNK - Process

Item 24.8(From Mod 0):

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



Emission Unit: U-WWTP1
Process: WW2 Source Classification Code: 5-01-007-02
Process Description:
Primary treatment (liquid sludge settling) and liquid
sludge receiving.

Emission Source/Control: LSLRC - Process

Emission Source/Control: PRTNK - Process

Item 24.9(From Mod 0):

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

Emission Unit: U-WWTP1
Process: WW3 Source Classification Code: 5-01-007-04
Process Description: Aeration and secondary clarification.

Emission Source/Control: AETNK - Process

Emission Source/Control: SETNK - Process

**Condition 25: Emissions from new emission sources and/or modifications
Effective between the dates of 07/12/2003 and Permit Expiration Date**

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 25.1:

This Condition applies to Emission Unit: U-INCIN

Item 25.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 26: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date**

Applicable State Requirement:6 NYCRR 211.2

Item 26.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: SL1

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:



To mitigate potential odor problems, no more than three (3) truck loads of sludge cake totalling no more than 50 wet tons shall be accepted per 24 hours during weekdays and non-holidays. No loads may be accepted on Saturdays, Sundays or Federal or State legal holidays. In addition, source owner or operator should not accept loads of sludge cake during times when meteorological conditions are likely to contribute to the buildup of odorous compounds in the air at and around the plant site (e.g., dawn, dusk, etc.).

Each load of sludge cake shall be unloaded as quickly as possible and loaded into the storage tank as soon as the truck moves away from the loading area. Immediately after sludge has been loaded into the storage tank, the pad shall be cleaned. If the ambient temperature is above 32 degrees F, cleaning shall consist of hosing the pad down with water. If the ambient temperature is below 32 degrees F, cleaning shall consist of scraping the residual sludge from the pad to the extent possible and applying lime to the loading area. Once the temperature rises above 32 degrees F, the loader and pad shall be hosed down with water. In either case, the pad must be completely covered with lime after cleaning. The source owner or operator shall verify that the Mister for this area is operating properly.

Finally, the sludge conveying area shall be checked at least once per shift to ensure that odor control misters are operating properly and their solution containers are full. This area shall also be checked for cleanliness, and any spillage shall be cleaned up. All doors, windows and other openings must be tightly closed.

Source owner or operator shall record in a bound log book the time and date that each truckload is received and whether or not the above procedures were followed. These records shall be maintained on-site for a period of at least five (5) years.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: SLUDGE
Upper Permit Limit: 3 loads
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 27: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date



Applicable State Requirement:6 NYCRR 211.2

Item 27.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: SL2

Item 27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To mitigate potential odor problems, source owner or operator shall replace the potassium permanganate impregnated media (pellets) used in the potassium permanganate odor control units (ES's CNTL1, CNTL2 and CNTL3) semi-annually. In addition, source owner or operator shall measure the hydrogen sulfide concentration at the outlet of each of these units on a quarterly basis.

A written record shall be kept in a bound log book of the dates when the potassium permanganate impregnated media is replaced, as well as the time, date and concentration measured for each quarterly hydrogen sulfide check. These records shall be maintained on-site for a period of at least five (5) years.

Monitoring Frequency: QUARTERLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-7: Compliance Demonstration
Effective between the dates of 01/14/2010 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 212.4 (a)

Replaces Condition(s) 28

Item 2-7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: SL4

Regulated Contaminant(s):

CAS No: 0NY075-00-0	PARTICULATES
CAS No: 0NY100-00-0	HAP
CAS No: 007439-97-6	MERCURY

Item 2-7.2:

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

To mitigate potential adverse impacts from emissions of mercury and other Hazardous Air Pollutants (HAPs), and help ensure compliance with the particulate emission standard from 40CFR 60, Subpart O, the feed rate of sludge (which includes belt filter cake, outside cake, and grease/scum) to the incinerator shall be limited to no more than 2,000 pounds (dry) per hour (as determined during the stack testing performed for 40CFR 503 in 1995).

This feed rate shall be monitored continuously via the monitoring device required under paragraph 60.153(a)(1) of 40CFR 60, Subpart O, and recorded at least once every 15 minutes. No 1-hr block average sludge feed rate shall exceed the specified limit. Records shall be maintained for at least five (5) years.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: SLUDGE

Upper Permit Limit: 2000 pounds per hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 29: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 212.4 (a)

Item 29.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: SL4

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES
CAS No: 0NY100-00-0 HAP
CAS No: 007439-97-6 MERCURY

Item 29.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

To mitigate potential adverse impacts from emissions of mercury and other Hazardous Air Pollutants (HAPs), and help ensure compliance with the particulate emission standard from 40CFR 60, Subpart O, the pressure drop of

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gas flow through the wet scrubbing device (i.e., venturi pressure drop) shall not fall below 13.5 inches of water column (as determined during the stack testing performed for 40CFR 503 in 1995). This pressure drop shall be monitored continuously via the monitoring device required under paragraph 60.153(b)(1) of 40CFR 60, Subpart O, and recorded at least once every 15 minutes. Each 1-hr block average pressure drop must be above the limit specified. Records shall be maintained for at least five (5) years.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 13.5 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 30: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 212.4 (a)

Item 30.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: SL4

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

CAS No: 0NY100-00-0 HAP

CAS No: 007439-97-6 MERCURY

Item 30.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

To mitigate potential adverse impacts from emissions of mercury and other Hazardous Air Pollutants (HAPs), and help ensure compliance with the particulate emission standard from 40CFR 60, Subpart O, the fluidized bed temperature in the incinerator shall be maintained above 1330 degrees F (as determined during the stack testing performed for 40CFR 503 in 1995). This temperature shall be monitored continuously via the monitoring device required under paragraph 60.153(b)(3) of 40CFR 60, Subpart O, and recorded at least once every 15 minutes. Each 1-hr block average temperature must be above the specified minimum. Records shall be maintained for at least five (5) years.

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Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1330 degrees Fahrenheit
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 31: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 257-10

Item 31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN Emission Point: 00005
Process: SL1

Regulated Contaminant(s):
CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To mitigate the potential occurrence of nuisance odor conditions (per 6NYCRR 211.2) and potential violations of the New York State Air Quality Standard for hydrogen sulfide (per 6NYCRR 257-10), source owner or operator shall ensure the proper operation and maintenance of the activated carbon odor control unit (ES CNTL4) associated with the sludge cake storage bin (ES SLSTR).

Within sixty (60) days of issuance of this permit, source owner or operator shall begin taking weekly hydrogen sulfide concentration readings at the outlet of the carbon unit using a hand-held meter with a lower detection limit for hydrogen sulfide of no greater than 0.1 parts per million, by volume (ppm). Readings shall be taken during times when the storage bin contains sludge cake. Before the concentration reaches 0.15 ppm, the activated carbon media shall be replaced or regenerated.

Source owner or operator shall maintain a record in a bound log book of the date and time the measurement was taken, whether or not there was sludge in the bin, the concentration measured, and the date that the carbon was replaced or regenerated. If there is no time during the week when the ambient temperature rises above 32 degrees F (the lower end of the instrument's effective operating



range), source owner will not be required to log an H₂S concentration measurement for that week. If no concentration reading is logged due to low ambient temperatures, this should be noted in the log book.

Parameter Monitored: HYDROGEN SULFIDE
Upper Permit Limit: 0.15 parts per million (by volume)
Reference Test Method: Hand-held H₂S Meter
Monitoring Frequency: WEEKLY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED MORE THAN ONCE PER CALENDAR YEAR
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 32: Emissions from new emission sources and/or modifications
Effective between the dates of 07/12/2003 and Permit Expiration Date**

Applicable State Requirement: 6 NYCRR 212.4 (a)

Item 32.1:

This Condition applies to Emission Unit: U-WWTP1

Item 32.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 33: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date**

Applicable State Requirement: 6 NYCRR 211.2

Item 33.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-WWTP1
Process: WW1

Item 33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To mitigate the potential for creation of excessive odorous emissions from the grit and screenings bin area, source owner or operator shall:

1. dump grit and screenings bins when they are half full;
2. keep the bin area doors closed;
3. keep the bin areas clean and washed down;



4. keep bar screen area cleaned and hosed down;
5. keep grit chamber area cleaned and hosed down;
and
6. keep all doors to Preliminary Building
closed.

Source owner or operator shall verify, at least once per shift, that all of these procedures are being adhered to, and record his/her findings, along with the date and time, in a bound log book. These records shall be maintained on-site for a period of at least five (5) years.

Monitoring Frequency: PER SHIFT

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 34: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2

Item 34.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-WWTP1
Process: WW1

Item 34.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

To mitigate the potential for creation of excessive odorous emissions during septage receiving, source owner or operator shall ensure that haulers:

1. draw a sample of the septage and take it to the lab for pH testing. pH of the septage shall be between 5 and 9. The sample must be collected on site, and the hauler shall not dump the load until it is cleared by plant personnel.
2. keep the discharge area clean and washed down.

Source owner or operator shall record in a bound log book the time and date that each load of septage is received, its pH, and whether or not the above procedures were followed. These records shall be maintained on-site for a

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period of at least five (5) years.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LIQUID WASTE

Parameter Monitored: ACIDITY/ALKALINITY

Lower Permit Limit: 5 pH (STANDARD) units

Upper Permit Limit: 9 pH (STANDARD) units

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 35: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2

Item 35.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-WWTP1

Process: WW1

Item 35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To mitigate the potential for creation of excessive odorous emissions from the grit and screenings storage dumpster, source owner or operator shall:

1. lime grit and screenings after each dumping; and
2. keep cover on dumpster at all times, except while dumping.

Source owner or operator shall verify, at least once per shift, that these procedures are being adhered to, and record his/her findings, along with the date and time, in a bound log book. These records shall be maintained on-site for a period of at least five (5) years.

Monitoring Frequency: PER SHIFT

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 36: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2

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Item 36.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-WWTP1

Process: WW2

Item 36.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To mitigate the potential for creation of excessive odorous emissions during liquid sludge receiving, source owner or operator shall ensure that haulers:

1. draw a sample of the liquid sludge and take it to the lab for analysis if an unusual or strong odor is detected. The sample must be collected on site, and the hauler shall not dump the load until the manifest is signed by plant personnel.
2. keep the door to the Primary building closed; and
3. keep the discharge area clean and washed down.

Source owner or operator shall ensure that the mister in the Primary Building is operating properly at all times.

Source owner or operator shall record in a bound log book the time and date that each load of liquid sludge is received, results of the analysis (if performed), and whether or not the above procedures were followed. These records shall be maintained on-site for a period of at least five (5) years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 37: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 257-10

Item 37.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-WWTP1

Process: WW2

Emission Source: PRTNK

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Regulated Contaminant(s):
CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

Source owner shall perform testing to determine the concentration of hydrogen sulfide in the air above the primary settling tanks to document compliance with the New York State ambient air quality standard of 14 micrograms per cubic meter (or 0.01 ppm) in any one-hour period. Due to potential contributions from other sources of hydrogen sulfide at this facility, the concentration of hydrogen sulfide over the primary settling tanks shall not exceed an average concentration of 10 microgram per cubic meter (or 0.007 ppm) in any one-hour period, so that total ambient impacts from the facility remain below the standard.

Source owner shall perform required testing and submit the results no later than June 5, 2003. Further testing may be required upon request by the Department. At least 30 days prior to testing, source owner shall provide written notification of the time and date of the test, along with a testing protocol, to NYSDEC. The test protocol must be approved by NYSDEC prior to performance of the testing.

Upper Permit Limit: 10 micrograms per cubic meter

Reference Test Method: hand held monitor

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 38: Compliance Demonstration
Effective between the dates of 07/12/2003 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 257-10

Item 38.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-WWTP1 Emission Point: 00006
Process: WW1

Regulated Contaminant(s):
CAS No: 007783-06-4 HYDROGEN SULFIDE



Item 38.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To mitigate the potential occurrence of nuisance odor conditions (per 6NYCRR 211.2) and potential violations of the New York State Air Quality Standard for hydrogen sulfide (per 6NYCRR 257-10), source owner or operator shall ensure the proper operation and maintenance of the activated carbon odor control unit (ES CNTL5) associated with the headworks tank (ES HDTNK).

Within sixty (60) days of issuance of this permit, source owner or operator shall begin taking weekly hydrogen sulfide concentration readings at the outlet of the carbon unit using a hand-held meter with a lower detection limit for hydrogen sulfide of no greater than 0.1 parts per million, by volume (ppm). Before the concentration reaches 0.15 ppm, the activated carbon media shall be replaced or regenerated.

Source owner or operator shall maintain a record in a bound log book of the date and time the measurement was taken, the concentration measured, and the date that the carbon was replaced or regenerated. If there is no time during the week when the ambient temperature rises above 32 degrees F (the lower end of the instrument's effective operating range), source owner will not be required to log an H₂S concentration measurement for that week. If no concentration reading is logged due to low ambient temperatures, this should be noted in the log book.

Parameter Monitored: HYDROGEN SULFIDE

Upper Permit Limit: 0.15 parts per million (by volume)

Reference Test Method: Hand-held H₂S Meter

Monitoring Frequency: WEEKLY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED MORE THAN
ONCE PER CALENDAR YEAR

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

