

New York State Department of Environmental Conservation
Facility DEC ID: 9142200008



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 9-1422-00008/00009
Mod 0 Effective Date: 11/16/1998 Expiration Date: No expiration date.
Mod 1 Effective Date: 11/01/2002 Expiration Date: No expiration date.

Permit Issued To: TOWN OF AMHERST
5583 MAIN ST
WILLIAMSVILLE, NY 14221-5409

Contact: PAUL M BOWERS
AMHERST ENGINEERING DEPT
1100 NORTH FOREST RD.
BUFFALO, NY 14221
(716) 631-7154

Facility: AMHERST SD #16 STP
455 TONAWANDA CREEK ROAD
NORTH TONAWANDA, NY 14120

Contact: KENNETH M TERRANOVA
AMHERST WWT FACILITY SD 16 STP
455 TONAWANDA CREEK RD
NORTH TONAWANDA, NY 14120
(716) 691-9771

Description:
The facility is proposing to install 2 -585 HP Waukesha natural gas or methane fired internal combustion engines. The engines will be located in the main pump house and the return activated sludge building. Potential emissions of criteria contaminant pollutants from the whole facility, with engines, is less than the Title V applicability threshold. The only additional condition is to monitor for opacity.

New York State Department of Environmental Conservation
Facility DEC ID: 9142200008



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: RICHARD P SWEENEY
 DIVISION OF ENVIRONMENTAL PERMITS
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2999

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 9
HEADQUARTERS



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

Condition 1-2: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1-2.1:

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 1-2.2:

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 1-2.3:

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 1: Facility Inspection by the Department
Applicable State Requirement: ECL 3-0301.2(g)

Expired by Mod No: 1

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 written or verbal notification is provided by the Department at least 24 hours prior to such inspection.

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. 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:



New York State Department of Environmental Conservation
Facility DEC ID: 9142200008

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

Condition 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

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

Item 1-1.2:

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

Item 1-1.3:

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

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

Expired by Mod No: 1

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 1-3: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-3.1:

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,



New York State Department of Environmental Conservation
Facility DEC ID: 9142200008

relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

Expired by Mod No: 1

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for 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 9 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 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165



New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: TOWN OF AMHERST
5583 MAIN ST
WILLIAMSVILLE, NY 14221-5409

Facility: AMHERST SD #16 STP
455 TONAWANDA CREEK ROAD
NORTH TONAWANDA, NY 14120

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

Mod 0 Permit Effective Date: 11/16/1998

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 11/01/2002

Permit Expiration Date: No expiration date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

1 6NYCRR 200.3: False statement

Emission Unit Level

EU=1-10100

18 6NYCRR 212.4(c): Compliance Demonstration

EU=4-40100

1-1 6NYCRR 227-1.3(a): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

1-2 ECL 19-0301: Contaminant List

1-3 6NYCRR 201-1.4: Unavoidable noncompliance and violations

23 6NYCRR 201-5: Emission Unit Definition

15 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

26 6NYCRR 201-5: Emission Point Definition By Emission Unit

27 6NYCRR 201-5: Process Definition By Emission Unit

EU=1-10100,EP=00101,Proc=011,ES=01011

19 6NYCRR 211.2: Compliance Demonstration

EU=2-20100,EP=00201,Proc=021,ES=02011

20 6NYCRR 211.2: Compliance Demonstration

EU=3-30100,EP=00301,Proc=031,ES=03011

21 6NYCRR 211.2: Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6NYCRR Part 200.5

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

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

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

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

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

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008



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

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

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

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

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

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event



New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008

occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific



New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008

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

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

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

Item K: Visible Emissions Limited - 6 NYCRR Part 211.3

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

Item L: Open Fires - 6 NYCRR Part 215

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

Item M: Permit Exclusion - ECL 19-0305

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

New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008



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

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

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

FEDERAL APPLICABLE REQUIREMENTS

The following conditions are federally enforceable.

Condition 1: False statement
Effective between the dates of 11/16/1998 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.3

Item 1.1:

No person shall make a false statement in connection with applications, plans, specifications and/or reports submitted pursuant to this Subchapter.

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

Condition 18: Compliance Demonstration
Effective between the dates of 11/16/1998 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-10100

New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008



Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The potential particulate emissions is not significant.
The major pupose of the equipment is to control odors.
Maintaining appropriate differential pressure and line
pressure will insure particulate removal

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-1: Compliance Demonstration

Effective between the dates of 11/01/2002 and Permit Expiration Date

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

Item 1-1.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 4-40100

Item 1-1.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion
installation which exhibits greater than 20 percent
opacity (six minute average), except for one six-minute
period per hour of not more than 27 percent opacity .
Opacity observations should be performed in accordance
with Reference Method 9 in Appendix A of 40 CFR 60. The
two engines must be observed at least once per operating
day during day light hours, weather permitting, for
opacity. No opacity is typical of these engines therefore
any opacity noted is reason to conduct a Method 9
observation or to initiate maintenance . All observations
and comments are to be maintained in a bound log book on
site and made available to the Department upon request. No
reports required.

New York State Department of Environmental Conservation
Permit ID: 9-1422-00008/00009 Facility DEC ID: 9142200008



Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
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 - 6NYCRR Part 201-1.10(a)

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

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

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

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



law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 1-2: Contaminant List

Effective between the dates of 11/01/2002 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 1-2.1:

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

CAS No: 007783-06-4

Name: HYDROGEN SULFIDE

CAS No: 0NY075-00-0

Name: PARTICULATES

Condition 1-3: Unavoidable noncompliance and violations

Effective between the dates of 11/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 1-3.1:

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

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

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR



New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008

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 23: Emission Unit Definition
Effective between the dates of 11/16/1998 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 23.1(From Mod 1):

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

Emission Unit: 4-40100

Emission Unit Description:

Two Natural gas and methane driven stationary engines rated at 585 bhp each. One will be located at the main pump house and the second will be used at the oxygen generation system. Both engines are Waukesha, model PAP-600-NG-AC, engine # H24GLD. These are lean burn engines with a manufacturers emissions rating for Nitrogen Oxide of 2.06 G/BHP/HR, Carbon Monoxide-1.34 G/BHP/HR and Total Hydrocarbons - 1.61 G/BHP/HR. The total facility potential to emit any criteria contaminant is below the Title V thresholds.

Building(s): 1
5

New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008



Item 23.2(From Mod 0):

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

Emission Unit: 1-10100

Emission Unit Description:

EXHAUST OF SLUDGE PROCESSING AREAS AND EQUIPMENT INCLUDING STORAGE SILOS, GRIT CHAMBERS, BLENDING & STORAGE TANKS, TOWLINE CONVEYOR AREA, SLUDGE DRYER, WET SLUDGE STORAGE BIN, GRAVITY BELT THICKENER AREA. DIGESTER GAS AND NATURAL GAS USED TO FUEL SLUDGE DRYER.

Building(s): 4

Item 23.3(From Mod 0):

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

Emission Unit: 2-20100

Emission Unit Description:

EXHAUST FROM SLUDGE THICKENING ROOM IN SOLIDS HANDLING BUILDING.

Building(s): 4

Item 23.4(From Mod 0):

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

Emission Unit: 3-30100

Emission Unit Description:

UNIT ON STANDBY AND AVAILABLE TO HANDLE EXHAUST FROM FORMER EQUALIZATION BASINS NOW USED AS PRIMARY CLARIFIERS, ESTIMATED USE AT ONE DAY PER YEAR OR LESS (NO ODOR PROBLEM ENCOUNTERED SINCE PROCESS CHANGE)

Building(s): 41

Condition 15: Air pollution prohibited

Effective between the dates of 11/16/1998 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 15.1:

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

New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008



combination with others.

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

Condition 26: Emission Point Definition By Emission Unit
Effective between the dates of 11/16/1998 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 26.1(From Mod 1):

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

Emission Unit: 4-40100

Emission Point: 00401

Height (ft.): 10

Diameter (in.): 8

Building: 1

Emission Point: 00402

Height (ft.): 10

Diameter (in.): 8

Building: 5

Item 26.2(From Mod 0):

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

Emission Unit: 1-10100

Emission Point: 00101

Height (ft.): 52

Diameter (in.): 48

NYTMN (km.): 4773.22 NYTME (km.): 189.629 Building: 4

Item 26.3(From Mod 0):

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

Emission Unit: 2-20100

Emission Point: 00201

Height (ft.): 26

Length (in.): 66

Width (in.): 24

NYTMN (km.): 4773.22 NYTME (km.): 189.629 Building: 4

Item 26.4(From Mod 0):

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

Emission Unit: 3-30100



New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008

Emission Point: 00301

Height (ft.): 17

Length (in.): 102

Width (in.): 30

NYTMN (km.): 4773.22

NYTME (km.): 189.629

Building: 41

**Condition 27: Process Definition By Emission Unit
Effective between the dates of 11/16/1998 and Permit Expiration Date**

Applicable State Requirement: 6NYCRR 201-5

Item 27.1(From Mod 1):

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

Emission Unit: 4-40100

Process: 041

Source Classification Code: 2-02-002-02

Process Description: main pump house engine for pump drive.

Emission Source/Control: E-401 - Combustion

Design Capacity: 585 horsepower (mechanical)

Item 27.2(From Mod 1):

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

Emission Unit: 4-40100

Process: 042

Source Classification Code: 2-03-002-07

Process Description: oxygen generation system-engine/compressor.

Emission Source/Control: E-402 - Combustion

Design Capacity: 585 horsepower (mechanical)

Item 27.3(From Mod 0):

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

Emission Unit: 1-10100

Process: 011

Source Classification Code: 5-01-007-72

Process Description:

WET SCRUBBER IS A VERTICAL PACKED TOWER
COUNTER CURRENT FLOW SCRUBBER.
RECIRCULATION PUMPS AND CHEMICAL METERING
PUMPS ARE PROVIDED TO SUPPLY SODIUM
HYPOCHLORITE FOR OXIDATION AND SODIUM
HYPROXIDE FOR PH CONTROL AS REQUIRED.

Emission Source/Control: 01011 - Process

Design Capacity: 38,000 cubic feet per minute

Item 27.4(From Mod 0):

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

New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008



Emission Unit: 2-20100

Process: 021

Source Classification Code: 5-01-007-72

Process Description:

WET SCRUBBER IS A SPRAY MIST TYPE CHEMICAL
OXIDIZING SCRUBBER. A SPRAY OF DILUTED
SODIUM HYPOCHLORITE IS PROVIDED FOR
OXIDATION OF HYDROGEN SULFIDE GAS.

Emission Source/Control: 02011 - Process

Design Capacity: 16,000 cubic feet per minute

Item 27.5(From Mod 0):

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

Emission Unit: 3-30100

Process: 031

Source Classification Code: 5-01-007-72

Process Description:

WET SCRUBBER IS A SPRAY MIST TYPE CHEMICAL
OXIDIZING SCRUBBER. A SPRAY OF DILUTED
SODIUM HYPOCHLORITE IS PROVIDED FOR
OXIDATION OF THE HYDROGEN SULFIDE GAS.

Emission Source/Control: 03011 - Process

Design Capacity: 30,000 cubic feet per minute

Condition 19: Compliance Demonstration

Effective between the dates of 11/16/1998 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 19.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-10100

Emission Point: 00101

Process: 011

Emission Source: 01011

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MONITOR REMOVAL OF HYDROGEN SULFIDED BY
MEASURING PH IN SUMP TO CONFIRM ADEQUATE



New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008

SODIUM HYPOCHLORITE IS PRESENT IN WET
SCRUBBER TO OXIDIZE THE HYDROGEN SULFIDE
ENTERING CONTROL UNIT.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 20: Compliance Demonstration
Effective between the dates of 11/16/1998 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-20100 Emission Point: 00201
Process: 021 Emission Source: 02011

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

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

DAILY VISUAL INSPECTION TO CONFIRM
BLOWER AND SPRAY OPERATING AND SMELL OF
HYPOCHLORITE CAN BE DETECTED IN SPRAY.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 21: Compliance Demonstration
Effective between the dates of 11/16/1998 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 21.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-30100 Emission Point: 00301
Process: 031 Emission Source: 03011

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

New York State Department of Environmental Conservation

Permit ID: 9-1422-00008/00009

Facility DEC ID: 9142200008



Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NORMALLY NOT OPERATIONAL, NO MONITORING
- IF PUT IN TEMPORARY SERVICE, DAILY
VISUAL INSPECTION TO CONFIRM BLOWER. AND
SPRAY OPERATING AND SMELL OF HYPOCHLORITE
CAN BE DETECTED IN SPRAY.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY