



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 7-0501-00042/00004

Renewal Number: 1

Modification Number: 1 07/20/2015

Facility Identification Data

Name: AUBURN SANITARY LANDFILL NO 2

Address: 311 N DIVISION ST

AUBURN, NY 13021

Owner/Firm

Name: CITY OF AUBURN

Address: MEM CITY HALL

24 SOUTH ST

AUBURN, NY 13021, USA

Owner Classification: Municipal

Permit Contacts

Division of Environmental Permits:

Name: KEVIN M BALDUZZI

Address: NYSDEC - REGION 7

615 ERIE BLVD W

SYRACUSE, NY 13204

Phone:3154267493

Division of Air Resources:

Name: ANDREW C LOFARO

Address: NYSDEC - REGION 7

615 ERIE BLVD W

SYRACUSE, NY 13204

Phone:3154267472

Air Permitting Facility Owner Contact:

Name: CITY OF AUBURN

Address: MEM CITY HALL

24 SOUTH ST

AUBURN, NY 13021

Phone:3152554146

Permit Description

Introduction

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

This Title V Permit Modification Application is being submitted as a result of the purchase of the Auburn Landfill Gas to Electric Generators Facility by the City of Auburn. The facility previously operated under



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DEC Title V Permit ID: 7-0501-00134/00001.

This application serves to combine the two previously separate Title V air permits for the City of Auburn Sanitary Landfill No. 2 (Permit ID 7-0501-00042/00004) and the Auburn Landfill Gas to Electric Generators Facility into a single Title V Permit based on the recent change to common ownership of these co-located facilities. No other modifications other than the combination of these facilities into a single permit are being proposed as part of this modification application. Based on the emissions inventory review for the combined facilities, the potential to emit (PTE) will not exceed PSD or NSR regulatory thresholds.

Attainment Status

AUBURN SANITARY LANDFILL NO 2 is located in the town of AUBURN in the county of CAYUGA. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

| Criteria Pollutant | Attainment Status |
|---|-----------------------------------|
| Particulate Matter (PM) | ATTAINMENT |
| Particulate Matter < 10µ in diameter (PM10) | ATTAINMENT |
| Sulfur Dioxide (SO2) | ATTAINMENT |
| Ozone* | TRANSPORT REGION (NON-ATTAINMENT) |
| Oxides of Nitrogen (NOx)** | ATTAINMENT |
| Carbon Monoxide (CO) | ATTAINMENT |

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

The facility consists of a municipal solid waste (MSW) landfill and co-located water pollution control plant (WPCP) owned and operated by the City of Auburn. The landfill operates under a 6 NYCRR Part 360 landfill permit.

The City of Auburn purchased the Auburn Landfill Gas to Energy (LFGTE) facility in April 2014. The facility is now owned by the City of Auburn and operated by a separately contracted company. The facility is co-located with the City-owned MSW Landfill and WPCP.

Landfill gas generated from waste decomposition within the landfill is piped to the LFGTE facility for use as fuel in engine/generator sets. The LFGTE consists of two (2) Jenbacher JMS-320-GS-BL sets with a total renewable electricity generation potential of 2 MW for use by the City of Auburn and businesses in the Auburn Technology Park. The engine/generator sets may operate on landfill gas, natural gas, or a combination of the two if needed.

The sulfur in the landfill gas is pre-treated in a closed loop desulfurization process to reduce the sulfur concentration in the landfill gas to less than 200 ppm (<0.02%). In the event that the generator sets are



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not operated, such as during periods of maintenance activities, a valve in the landfill gas pipeline is closed and collected landfill gas is routed to a back-up flare skid located at the MSW Landfill for destruction.

Permit Structure and Description of Operations

The Title V permit for AUBURN SANITARY LANDFILL NO 2

is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

AUBURN SANITARY LANDFILL NO 2 is defined by the following emission unit(s):

Emission unit 1COMBU - This emission unit consists of two identical 1 megawatt (MW) generators (Model JMS 320-GS-BL), which operate primarily on bio-gases generated from the adjacent landfill. The engines are also capable of operating on natural gas as a supplement to the landfill gas or on natural gas alone if needed. In the event that the generators are not operated, such as during periods of maintenance activities, a valve in the landfill pipe is closed and the landfill gases will be flared.

Emission unit 1COMBU is associated with the following emission points (EP):
10001, 10003

Process: BIO is located at Building GEN - This process consists of landfill gas combustion in either of two identical 1 MW engine/ generator sets.

Process: NAT is located at Building GEN - This process consists of natural gas combustion in either of two identical 1 MW engine/ generator sets.

Emission unit 3WWTMT - This emission unit consists of emissions from the treatment of municipal wastewater at the city's Water Pollution Control Plant. The unit includes defined emission points and sources with fugitive emissions. The plant has a design capacity of 10.5 MGD.



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00008, 00009

Process: 004 is located at Building SHB - This process consists of the treatment of municipal wastewater at a 10.5 MGD Water Pollution Control Plant. The process includes activities involved in the treatment and disinfection of wastewater and stormwater prior to discharging to the Owasco Lake Outlet.

Emission unit 1LFGAS - This unit consists of landfilled waste generating landfill gas by anaerobic decomposition. The emission unit will consist of one (1) large flare and three (3) portable candlestick flares as defined emission points. Landfill gas will also be released as a fugitive emission, if it bypasses the landfill gas collection system.

Emission unit 1LFGAS is associated with the following emission points (EP):

00002, 00003, 00004, FL001

Process: 001 This process consists of landfill waste generating landfill gas by decomposition and the collection and control of the landfill gas emissions by flaring gas collected from landfill #1 and landfill #2, and proposed landfill expansion area. All collected gas will be primarily routed to the adjacent landfill gas-to-energy facility, owned and operated by an independent company. The landfill gas flare system will be used as a backup control device.

Process: 002 This process consists of landfill waste generating landfill gas by decomposition and the fugitive emission of landfill gas to the atmosphere. Fugitive emissions include the portion of landfill gas that escapes collection by the gas collection and control system.

Title V/Major Source Status

AUBURN SANITARY LANDFILL NO 2 is subject to Title V requirements. This determination is based on the following information:

This facility is not major for any pollutants, however is required to obtain a Title V Permit. In the past, the City of Auburn applied for an expansion of the permitted design capacity above the applicability size threshold (2.5 million megagrams and 2.5 million cubic meters) of the NYS Emission Guidelines for MSW Landfill Emissions and 40 CFR 60 subpart WWW: Standards of Performance for Municipal Solid Waste Landfills. Therefore, a Title V operating permit is required pursuant to 6 NYCRR 201-6.

Program Applicability

The following chart summarizes the applicability of AUBURN SANITARY LANDFILL NO 2 with regards to the principal air pollution regulatory programs:

| Regulatory Program | Applicability |
|--------------------|---------------|
| PSD | NO |



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| | |
|--------------------------------|-----|
| NSR (non-attainment) | NO |
| NESHAP (40 CFR Part 61) | NO |
| NESHAP (MACT - 40 CFR Part 63) | YES |
| NSPS | YES |
| TITLE IV | NO |
| TITLE V | YES |
| TITLE VI | NO |
| RACT | NO |
| SIP | YES |

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR Part 231) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.



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RACT Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis

of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description

| | |
|------|-------------------|
| 4911 | ELECTRIC SERVICES |
| 4952 | SEWERAGE SYSTEMS |
| 4953 | REFUSE SYSTEMS |

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents

a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

| | |
|-------------|--|
| 2-01-002-02 | INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - NATURAL GAS Reciprocating |
| 2-01-008-02 | INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - LANDFILL GAS Reciprocating |
| 5-01-004-02 | SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - LANDFILL DUMP |
| 5-01-004-06 | FUGITIVE EMISSIONS SOLID WASTE DISPOSAL - GOVERNMENT |



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5-01-007-01

SOLID WASTE DISPOSAL: GOVERNMENT - LANDFILL
DUMP
LANDFILL GAS COLLECTION SYSTEM: OTHER
SOLID WASTE DISPOSAL - GOVERNMENT
SOLID WASTE DISPOSAL: GOVERNMENT - SEWAGE
TREATMENT
Entire Plant

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount of material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

| Cas No. | Contaminant Name | PTE | |
|-------------|--------------------|--------|-----------------------------|
| | | lbs/yr | Range |
| 000124-38-9 | CARBON DIOXIDE | | >= 250 tpy but < 75,000 tpy |
| 000630-08-0 | CARBON MONOXIDE | | >= 100 tpy but < 250 tpy |
| 007439-92-1 | LEAD | | > 0 but < 10 tpy |
| 0NY210-00-0 | OXIDES OF NITROGEN | 55000 | |
| 0NY075-02-5 | PM 2.5 | | >= 2.5 tpy but < 10 tpy |
| 0NY075-00-5 | PM-10 | | >= 10 tpy but < 25 tpy |
| 007446-09-5 | SULFUR DIOXIDE | | >= 10 tpy but < 25 tpy |
| 0NY100-00-0 | TOTAL HAP | | >= 10 tpy but < 25 tpy |
| 0NY998-00-0 | VOC | | >= 40 tpy but < 50 tpy |

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the



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Department 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 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 and maintained;
 - (3) During the period of the emergency the facility owner 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 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 or operator seeking to establish the occurrence of an emergency has the burden of proof.
- (c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)

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

Item C: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)

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

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)

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

Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for



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permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)

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

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)

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

Item H: Property Rights - 6 NYCRR 201-6.4(a)(6)

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

Item I: Severability - 6 NYCRR Part 201-6.4(a)(9)

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

Item J: Permit Shield - 6 NYCRR Part 201-6.4(g)

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

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



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from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR Part 201-6.4(i)

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

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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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

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

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



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applicable requirements as being enforceable under only state regulations.

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

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

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

Regulatory Analysis

| Location Facility/EU/EP/Process/ES | Regulation | Condition | Short Description |
|---|-------------------|--------------------------------------|---|
| --- | | | |
| FACILITY | ECL 19-0301 | 48 | Powers and Duties of the Department with respect to air pollution control |
| FACILITY | 40CFR 60-A.11 (d) | 36 | General provisions - compliance with standards and maintenance requirements |
| FACILITY | 40CFR 60-A.12 | 37 | General provisions - Circumvention |
| FACILITY | 40CFR 60-A.4 | 29 | General provisions - Address |
| 1-COMBU | 40CFR 60-A.7 | 1 -4 | General provisions - Notification and recordkeeping |
| FACILITY | 40CFR 60-A.7 (f) | 30 | Notification and Recordkeeping |
| 1-COMBU | 40CFR 60-A.8 | 1 -5 | General provisions - Performance tests |
| FACILITY | 40CFR 60-A.8 (b) | 31 | Performance Tests |
| FACILITY | 40CFR 60-A.8 (c) | 32 | Performance Tests |
| FACILITY | 40CFR 60-A.8 (d) | 33 | Performance Tests |
| FACILITY | 40CFR 60-A.8 (e) | 34 | Performance Tests |
| FACILITY | 40CFR 60-A.9 | 35 | General provisions - Availability of information |
| 1-COMBU | 40CFR 60-JJJJ | 1 -6, 1 -7, 1 -8, 1 -9, 1 -10, 1 -11 | Standards of Performance for |



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| | | | | |
|----------|-----------------------------|------------|-----|---|
| 1-COMBU | 40CFR 60-JJJJ.4244 | 1 | -13 | Stationary Spark Ignition Internal Combustion Engines |
| FACILITY | 40CFR 60- WWW.752(b) (1) | 38 | | Test methods and procedures |
| FACILITY | 40CFR 60- WWW.754(a) (1) | 39 | | Standards for air emissions from municipal solid waste landfills. |
| FACILITY | 40CFR 60- WWW.754(a) (2) | 40 | | Calculation of Non-Methane Organic Carbon (NMOC) Emissions |
| FACILITY | 40CFR 60- WWW.754(a) (3) | 41 | | NMOC Calculation - Tier 1 |
| FACILITY | 40CFR 60- WWW.754(a) (5) | 42 | | NMOC Calculation - Tier 2 |
| FACILITY | 40CFR 60-WWW.757(a) | 43 | | NMOC Calculation - Alternative Methods |
| FACILITY | 40CFR 60-WWW.757(b) | 44 | | Reporting requirements - Initial design capacity |
| FACILITY | 40CFR 60-WWW.757(c) | 45 | | Reporting requirements - NMOC emission rate |
| 1-COMBU | 40CFR 63-ZZZZ | 1 | -12 | Reporting Requirements - Collection and Control System Design Plan |
| FACILITY | 40CFR 68 | 19 | | Reciprocating Internal Combustion Engine (RICE) NESHAP |
| FACILITY | 40CFR 82-F | 20 | | Chemical accident prevention provisions |
| FACILITY | 6NYCRR 200.6 | 1 | | Protection of Stratospheric Ozone - recycling and emissions reduction |
| FACILITY | 6NYCRR 200.7 | 10 | | Acceptable ambient air quality. |
| FACILITY | 6NYCRR 201-1.4 | 49, 50 | | Maintenance of equipment. |
| FACILITY | 6NYCRR 201-1.7 | 11 | | Unavoidable noncompliance and violations |
| FACILITY | 6NYCRR 201-1.8 | 12 | | Recycling and Salvage |
| FACILITY | 6NYCRR 201-3.2(a) | 13 | | Prohibition of reintroduction of collected contaminants to the air |
| FACILITY | 6NYCRR 201-3.3(a) | 14 | | Exempt Activities - Proof of eligibility |
| FACILITY | 6NYCRR 201-6 | 21, 46, 47 | | Trivial Activities - proof of eligibility |
| FACILITY | 6NYCRR 201-6.4(a) (4) | 15 | | Title V Permits and the Associated Permit Conditions |
| FACILITY | 6NYCRR 201-6.4(a) (7) | 2 | | General Conditions - Requirement to Provide Information |
| | | | | General Conditions - |

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| FACILITY | 6NYCRR 201-6.4 (a) (8) | 16 | | Fees |
| FACILITY | 6NYCRR 201-6.4 (c) | 3 | | General Conditions - |
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| FACILITY | 6NYCRR 201-6.4 (c) (3) (ii) | 5 | | Recordkeeping and |
| FACILITY | 6NYCRR 201-6.4 (d) (4) | 22 | | Reporting of |
| FACILITY | 6NYCRR 201-6.4 (e) | 6 | | Compliance Monitoring |
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| FACILITY | 6NYCRR 201-6.4 (g) | 23 | | Monitoring, Sampling |
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| FACILITY | 6NYCRR 202-1.1 | 18 | | Reporting |
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| FACILITY | 6NYCRR 211.1 | 24 | | Noncompliance |
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| FACILITY | 6NYCRR 215.2 | 9 | | Permit Shield |
| FACILITY | 6NYCRR 217-3.2 | 53 | | Emission Testing, |
| FACILITY | 6NYCRR 217-3.3 | 54 | | Sampling and |
| FACILITY | 6NYCRR 227-1.3 (a) | 1 | -2, 1 -3 | Analytical |
| | | | | Determinations |
| | | | | Required emissions |
| | | | | tests. |
| | | | | Emission Statements - |
| | | | | Applicability |
| | | | | Emission Statements - |
| | | | | record keeping |
| | | | | requirements. |
| | | | | General Prohibitions |
| | | | | - air pollution |
| | | | | prohibited |
| | | | | General Prohibitions |
| | | | | - visible emissions |
| | | | | limited. |
| | | | | General Process |
| | | | | Emission Sources - |
| | | | | emissions from new |
| | | | | sources and/or |
| | | | | modifications |
| | | | | General Process |
| | | | | Emission Sources - |
| | | | | emissions from new |
| | | | | processes and/or |
| | | | | modifications |
| | | | | Applicable emission |
| | | | | standards |
| | | | | General Process |
| | | | | Emission Sources - |
| | | | | opacity of emissions |
| | | | | limited |
| | | | | Open Fires - |
| | | | | Prohibitions |
| | | | | Prohibitions. |
| | | | | Exceptions. |
| | | | | Smoke Emission |
| | | | | Limitations. |

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301



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This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.



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6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.4 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.



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6 NYCRR 201-6.4 (g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calENDar year.

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and there applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act AmENDments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, AUBURN SANITARY LANDFILL NO 2 has been determined to be subject to the following regulations:

40 CFR 60.11 (d)

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.



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40 CFR 60.12

This regulation prohibits an owner or operator from concealing emissions in violation of applicable standards by any means.

40 CFR 60.4

This condition lists the USEPA Region 2 address for the submittal of all communications to the "Administrator". In addition, all such communications must be copied to NYSDEC Bureau of Quality Assurance (BQA).

40 CFR 60.4244

This regulation specifies the test methods and procedures to be used by owners or operators of spark ignited internal combustion engines.

40 CFR 60.7

This general provision of the New Source Performance Standards or NSPS, sets forth the notification and record keeping requirements for all NSPS applicable sources. Individual subparts of the NSPS may contain additional notification and record keeping requirements.

40 CFR 60.7 (f)

This condition specifies requirements for maintenance of files of all measurements, including continuous monitoring system (CMS), monitoring device, and performance testing measurements; all CMS performance evaluations; all CMS or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices for at least two years.

40 CFR 60.752 (b) (1)

This regulation requires the owner or operator of a municipal solid waste (MSW) landfill to determine the annual emissions of non-methane organic compounds from the landfill. If the non-methane organic carbon emission rate from an MSW landfill is less than 50 megagram/year (55 tons/year), the owner must submit an emission report and recalculate the emission rate annually.

40 CFR 60.754 (a) (1)

This condition specifies the equations to be used to calculate the non-methane organic carbon emission rate from an MSW landfill.

40 CFR 60.754 (a) (2)

This condition sets forth the requirements for conducting a Tier 1 test of non-methane organic carbon emissions from an MSW landfill. The emission rate is calculated using the default values cited in 40 CFR 60.754(a)(1) and compared to 50 megagrams/year (55 tons/year).



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40 CFR 60.754 (a) (3)

This condition sets forth the requirements for conducting a Tier 2 test of NMOC emissions from an MSW landfill.

40 CFR 60.754 (a) (5)

The owner or operator may use other methods to determine the NMOC concentration or a site-specific methane generation rate constant as an alternative to the methods required in 40 CFR Part 60.754(a)(3) and (a)(4) if the method has been approved by the Administrator

40 CFR 60.757 (a)

This condition requires that an initial landfill design capacity report be submitted to the EPA administrator.

40 CFR 60.757 (b)

This condition requires that a non-methane organic carbon emission report be submitted to the EPA administrator.

40 CFR 60.757 (c)

This condition requires that a design plan be submitted to the EPA administrator within one year of when the Non-methane organic carbon emission rate exceeds 50 megagrams/year (55 tons/year).

40 CFR 60.8

This general provision of the New Source Performance Standards or NSPS, sets forth the performance test requirements for all NSPS applicable sources. Basically, all performance tests must be conducted within 60 days after achieving the maximum production rate but no later than 180 days after initial startup using procedures consistent with methods and procedures approved by the Administrator.

40 CFR 60.8 (b)

This regulation contains the requirements for Performance test methods and procedures, to be used by the owner or operator, of the affected facility.

40 CFR 60.8 (c)

This condition contains the requirements for operating conditions, of the emission source, during performance testing.

40 CFR 60.8 (d)

This regulation contains the requirements for advance notification of Performance (stack) testing.

40 CFR 60.8 (e)

This regulation requires the facility to provide appropriate sampling ports, safe platforms and utilities as necessary for Performance (stack) testing.



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40 CFR 60.9

This rule citation allows the public access to any information submitted to the EPA Administrator (or state contact), in conjunction with a project subject to this section of the regulation.

40 CFR Part 60, Subpart JJJJ

This subpart of the New Source Performance Standards or NSPS, sets forth the standards of performance for stationary ignition internal combustion engines. This rule specifies the emission standards, performance test requirements, notification and record keeping requirements and other compliance requirements for stationary spark ignition internal combustion engines.

40 CFR Part 63, Subpart ZZZZ

This subpart of the National Emission Standards of Hazardous Air Pollutants (NESHAPs) sets forth the emission limitations and operating limitations for hazardous air pollutants (HAPs) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This facility is classified as an area source of HAPs (i.e. HAP emissions are less than major source thresholds). Subpart ZZZZ specifies the facility must meet the requirements of this part by meeting the requirements of 40 CFR 60 subpart JJJJ, for spark ignition engines.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide any information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.



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6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement applies to all facilities subject to Title V requirements and specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (d) (4)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 211.1

This regulation requires that 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.

6 NYCRR 212.4

This rule requires compliance with the degree of control specified in Tables 2, 3 and 4 for new (after July 1, 1973) process emission sources.

6 NYCRR 212.4 (c)

This rule requires existing sources (in operation after July 1, 1973) of solid particulates with



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environmental rating of B or C which are not subject to Table 5 "Processes for which Permissible Emission Rate is Based on Process Weight, to be limited to an particulate emission rate not to exceed 0.05 grains per dry standard cubic foot.

6 NYCRR 212.5 (e)

If a process emission source meets certain other requirements the source is considered as having met the requirements of this Part. More details are provided in the regulation.

6 NYCRR 212.6 (a)

This rule specifies an opacity limitation of less than 20% for any six consecutive minute period for all process emission sources.

6 NYCRR 217-3.2

Condition prevents heavy duty vehicles from idling longer than 5 minutes at the landfill.

6 NYCRR 217-3.3

Discusses exceptions to 6 NYCRR 217-3.2: Truck Idling Requirements

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR Subpart 202-1

This subpart of Part 202 establishes the general criteria for verifying emissions by means of emissions sampling, testing and associated analytical determinations.

Non Applicability Analysis

List of non-applicable rules and regulations:

| Location Facility/EU/EP/Process/ES | Regulation | Short Description |
|---|-------------------|--------------------------------------|
| FACILITY | 40 CFR 60.18 (c) | Control Device Requirements (Flares) |

Reason: The provisions of 40 CFR 60 Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills, that apply to the design, installation, operation, monitoring, record keeping, reporting and compliance certification of a landfill gas collection and control system do not apply to this facility at this time. Such provisions will apply to this facility when the calculated non-methane organic compound

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FACILITY 40 CFR 60.753 (c) Operational Standards for Collection and Control Systems

Reason: Same reason as described above for 40 CFR 60-A.18(c).

FACILITY 40 CFR 60.753 (d) Operational Standards for Collection and Control Systems - Surface Methane

Reason: Same reason as described above for 40 CFR 60-A.18(c).

FACILITY 40 CFR 60.753 (e) Operational Standards for Collection and Control Systems - Collected Gases to Control System

Reason: Same reason as described above for 40 CFR 60-A.18(c).

FACILITY 40 CFR 60.753 (f) Operational Standards for Collection and Control Systems - Control Systems

Reason: Same reason as described above for 40 CFR 60-A.18(c).

FACILITY 40 CFR 60.753 (g) Operational Standards for Collection and Control Systems - Corrective Action

Reason: Same reason as described above for 40 CFR 60-A.18(c).

FACILITY 40 CFR 60.754 (b) Test Methods and Procedures

Reason: Same reason as described above for 40 CFR 60-A.18(c).

FACILITY 40 CFR 60.754 (d) Performance Test

Reason: Same reason as described above for 40 CFR 60-A.18(c).

FACILITY 40 CFR 60.755 (a) Compliance Provisions - collection system

Reason: Same reason as described above for 40 CFR 60-A.18(c).

FACILITY 40 CFR 60.755 (b) Compliance Provisions - wells

Reason: Same reason as described above for 40 CFR 60-A.18(c).

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| FACILITY | 40 CFR 60.755 (c) | Compliance Provisions - surface methane |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.755 (d) | Compliance Provisions - instrumentation specifications |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.755 (e) | Compliance Provisions - Start-up, shutdown, or malfunction |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.756 (a) | Monitoring of Operations |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.756 (b) | Monitoring of Operations - Enclosed Combustor |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.756 (c) | Monitoring of Operations - Open flare |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.756 (d) | Monitoring of Operations - Other devices |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.756 (e) | Monitoring of Operations - Alternative Parameters |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.756 (f) | Monitoring of Operations - Surface Methane |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.757 (d) | Reporting Requirements - Closure Report |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |

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| FACILITY | 40 CFR 60.757 (e) | Reporting Requirements - Control Equipment Removal |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.757 (f) | Reporting requirements - Annual Reports |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.757 (g) | Reporting requirements - Collection and control system |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.758 (b) | Recordkeeping requirements - control equipment |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.758 (c) | Recordkeeping requirements - operating parameters |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.758 (d) | Recordkeeping requirements - collectors |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.758 (e) | Recordkeeping requirements - exceedances of operational standards |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.759 (a) | Specifications for active collection systems |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.759 (b) | Specifications for active collection systems |
| Reason: | Same reason as described above for 40 CFR 60-A.18(c). | |
| FACILITY | 40 CFR 60.759 (c) | Specifications for |



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| FACILITY | 28 | intermittent emission testing |
| FACILITY | 1-2 | record keeping/maintenance procedures |
| FACILITY | 1-3 | monitoring of process or control device parameters as surrogate |

Basis for Monitoring

The following is a brief explanation or justification for the monitoring conditions contained in the Title V permit:

6 NYCRR Part 201-7.2: Using the regulatory default values for methane generation rate (k), methane generation potential (Lo), and concentration of NMOC in the landfill gas to calculate emissions of NMOC, this facility has an uncontrolled non-methane organic compound (NMOC) potential to emit (PTE) greater than 50 megagrams per year (Mg/yr), making the landfill gas collection and control system requirements defined in 40 CFR 60.752(b)(2) potentially applicable. However, the facility has an emission limit that will keep the calculated NMOC emissions less than 50 Mg/yr so that the landfill gas collection and control system monitoring, recordkeeping and reporting provisions contained in 40 CFR 60 Subpart WWW will not apply until the calculated NMOC emission rate from the landfill equals or exceeds 50 Mg/yr. The facility is required to determine the site specific concentration of NMOC in the landfill gas and demonstrate that uncontrolled NMOC emissions are less than 50 Mg/yr using the site specific data.

6 NYCRR Part 202-2.1: Any facility issued a Title V permit must submit an annual emission statement by April 15th every year.

6 NYCRR 212.4(c): Process emission sources for which allowable emission are not determined by process weight are subject a particulate emission limit of 0.05 grains per dry standard foot of exhaust gas expressed at standard conditions on a dry basis. The particulate emissions from the types of process emission sources at this facility are expected to be well below the regulatory limit, and therefore, mandatory stack testing is not considered warranted in this case. Opacity (visible emissions), or lack of opacity can be a good indicator of compliance with particulate limits. The owner/operator is required to make weekly observations as noted in the requirements of 6 NYCRR 212.6(a) and is considered the appropriate monitoring for these sources. The Department has the authority to require the performance of emission testing, and will do so if visual observations of these sources indicate this is necessary.

6 NYCRR 212.6(a), General process sources have a maximum opacity limit of 20 percent, based on USEPA reference method 9. Facilities subject to Title V are required to conduct periodic monitoring to insure compliance with applicable limits. The owner/operator is required to observe certain process emission points on a weekly basis, such as flares and ash silo fabric filter, for any unusual or excessive opacity and make corrections as necessary. Other process emission sources at the wastewater treatment plant (tanks) and fugitive landfill gas emissions are not required to conduct weekly observations as visible emissions are not typical of these types of sources.

40 CFR 60.752(b)(1): This regulation requires an owner/operator to comply with the landfill gas collection and control requirements in 40 CFR 60.752(b)(2) or calculate a non-methane organic compound (NMOC) emission rate and compare it to the control requirement threshold of 50 megagrams per year (Mg/yr). If the NMOC emission rate is less than 50 Mg/yr, the NMOC emission rate must be recalculated and an emission report submitted each year

40 CFR 60.754(a)(3): In order for the facility to demonstrate that NMOC emissions are less 50



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Permit Review Report**

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Mg/yr, they must conduct Tier 2 testing to determine a site specific NMOC concentration to be used in the annual emission reports. This regulation specifies how the Tier 2 sampling is to be done.

40 CFR 60.757(b): This regulation requires that an initial NMOC emission rate report be submitted within 90 days after the date of commenced construction. NMOC emission estimates were submitted as part of the Title V permit application. However, the regulation ties the initial NMOC emission report submittal to the start of construction, which has not yet commenced. Therefore, the compliance date for the emission report submitted pursuant to this regulation will be 90 days after the date of commenced construction.

40 CFR 60.757(c): The regulation requires a landfill gas collection and control system design plan be submitted within 1 year of the first report in which the emission rate exceeds 50 Mg/yr unless the owner or operator elects to recalculate NMOC emissions after Tier 2 NMOC sampling. The Title V application stated that Tier 2 landfill gas testing will be done to determine a site specific NMOC concentration, which will be used to determine an NMOC emission rate for this landfill. The revised emission rate report, with the recalculated emission rate based on the Tier 2 sampling, must be submitted within 180 days of the first calculated exceedance of 50 megagram per year (i.e. initial NMOC emission rate report submittal date).

6 NYCRR 227-1.3(a): To demonstrate compliance, each week the engines are in operation the facility is required to observe the stacks for unusual opacity, take corrective actions if necessary, re-evaluate the opacity and conduct an EPA Method 9 observation if problems still exist.

40 CFR 60.7: 40 CFR 60 subpart JJJJ specifies specific notification and record keeping requirements. To comply with 40 CFR 60.7 the owner must comply with the requirements in section 60.4245. The facility is required to test each engine for NO_x, CO and VOC once every 8760 operating hours or every 3 years whichever comes first.