



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

Permit ID: 9-0636-00006/00017

Renewal Number: 1

Modification Number: 1 10/16/2009

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

The Chautauqua County Landfill is a municipal solid waste landfill located in the town of Ellery, NY. The landfill is nearing capacity and Chautauqua County Department of Public Facilities plans to expand the landfill vertically to increase the useful life of the landfill.

Attainment Status

CHAUTAUQUA COUNTY LANDFILL is located in the town of ELLERY in the county of CHAUTAUQUA.

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 Chautauqua County Landfill is a municipal solid waste landfill with an active landfill gas collection system. This application seeks permission to construct a vertical expansion to the existing landfill. Landfill gas is either combusted in a flare or used to fuel internal combustion engines at an on-site electricity generation station.

Permit Structure and Description of Operations

The Title V permit for CHAUTAUQUA COUNTY LANDFILL is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source



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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.

CHAUTAUQUA COUNTY LANDFILL is defined by the following emission unit(s):

Emission unit 1LFGTE - Emission Unit 1-LFGTE consists of six (6) lean-burn Caterpillar, Inc. Model G3520C IC engines connected to individual electricity generators. The emission unit includes ancillary equipment that supports the electricity generation operations.

Emission unit 1LFGTE is associated with the following emission points (EP):
ENG01, ENG02, ENG03, ENG04, ENG05, ENG06

Process: 001 is located at Building ENGBLDG - Process 001 consists of six (6) Caterpillar G3520C gas internal combustion (IC) engine generator sets. The six (6) IC engines have individual maximum heat input rates of 14.67 MMBtu/hr LHV (88.02 MMBtu/hr combined). At the minimum fuel quality utilization value of 420 Btu/cf (LHV), the maximum fuel use rate of each IC engine is approximately 580 cfm.

The process also includes the following exempt sources: two radiator coolant tanks, two lube oil tanks, a single emergency electricity generator and a diesel fuel storage tank.
Process: FUG

Emission unit 1LFGAS - Emission Unit 1-LFGAS consists of the landfill area that generates landfill gas (LFG), an active gas collection system (LFGCS), and an open flare (01FLR) to combust the LFG.

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

Process: FUG FUGITIVE LANDFILL GAS EMISSIONS (BEYOND THE COLLECTION EFFICIENCY OF THE GAS COLLECTION SYSTEM). BASED ON THE ATTACHED CALCULATIONS, APPROXIMATELY 63% OF THE LANDFILL GAS IS NOT COLLECTED.

Process: GAS Process 'GAS' includes the collected landfill gas from the gas collection system and the operation of the flare.
emis_process_desc

Title V/Major Source Status

CHAUTAUQUA COUNTY LANDFILL is subject to Title V requirements. This determination is based on the following information:



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The facility has a potential to emit carbon monoxide greater than 250 tpy. All other contaminants are less than major.major_src_status

Program Applicability

The following chart summarizes the applicability of CHAUTAUQUA COUNTY LANDFILL with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO
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



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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.

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
4953

ELECTRIC SERVICES
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

2-01-008-07

INTERNAL COMBUSTION ENGINES - ELECTRIC



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5-01-004-02	GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - LANDFILL GAS RECIPROCATING: EXHAUST SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - LANDFILL DUMP
5-01-004-10	FUGITIVE EMISSIONS SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - LANDFILL DUMP WASTE GAS DESTRUCTION: WASTE GAS FLARES

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 or 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
000630-08-0	CARBON MONOXIDE		>= 250 tpy
0NY100-00-0	HAP		>= 10 tpy but < 25 tpy
000074-82-8	METHANE		>= 250 tpy
0NY998-20-0	NMOC - LANDFILL USE ONLY		>= 50 tpy but < 100 tpy
0NY210-00-0	OXIDES OF NITROGEN		>= 50 tpy but < 100 tpy
0NY075-00-0	PARTICULATES		>= 50 tpy but < 100 tpy
0NY075-00-5	PM-10		>= 50 tpy but < 100 tpy
007446-09-5	SULFUR DIOXIDE		>= 50 tpy but < 100 tpy
0NY998-00-0	VOC		>= 25 tpy but < 40 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The



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filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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

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

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

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

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

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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be



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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 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	63	Powers and Duties of the Department with respect to air pollution control
1-LFGTE	40CFR 60- JJJJ.4230 (a) (4)	1 -40	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines - Applicability
1-LFGTE	40CFR 60-JJJJ.4233 (e)	1 -41, 1 -42, 1 -43	Emission limits for IC Engines > 100 HP
1-LFGTE	40CFR 60-JJJJ.4234	1 -44	Time period facility is subject to Subpart JJJJ
1-LFGTE	40CFR 60-JJJJ.4236 (b)	1 -45	Deadline for importing or installing stationary SI ICE produced in the previous model year.
1-LFGTE	40CFR 60- JJJJ.4243 (b) (2)	1 -46	SI ICE - Maintenance Plan
1-LFGTE	40CFR 60-JJJJ.4244	1 -47	Test methods and procedures
1-LFGTE	40CFR 60-JJJJ.4245 (a)	1 -48	Notification, reporting and recordkeeping requirements
1-LFGTE	40CFR 60-JJJJ.4245 (c)	1 -49	Initial notification for engines > 500 HP
1-LFGTE	40CFR 60-JJJJ.4245 (d)	1 -50	Performance test requirements
FACILITY	40CFR 60-JJJJ.4246	1 -4	Applicability of Subpart A provisions
FACILITY	40CFR 60-	1 -5	Standards for air



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	WWW.752 (b) (2)				emissions from MSW landfills
FACILITY	40CFR 60- WWW.752 (b) (2) (1	-6, 1	-7	Treatment Systems Processing Landfill Gas for Subsequent Sale or Use.
FACILITY	40CFR 60-WWW.753 (a)	1	-8		Operational standards for collection and control systems
FACILITY	40CFR 60-WWW.753 (b)	1	-9		Op Standards for collection/ control systems-Pressure
FACILITY	40CFR 60-WWW.753 (c)	1	-10, 1	-11	Operational Standards for Collection and Control Systems
FACILITY	40CFR 60-WWW.753 (d)	1	-12		Operational Standards for Collection and Control Systems - Surface Methane
FACILITY	40CFR 60-WWW.753 (e)	1	-13		Operational Standards for Collection and Control Systems - Collected Gases to Control System
FACILITY	40CFR 60-WWW.753 (f)	1	-14		Operational Standards for Collection and Control Systems - Control Systems
FACILITY	40CFR 60-WWW.755 (a)	1	-15		Compliance Provisions - collection system
FACILITY	40CFR 60-WWW.755 (b)	1	-16		Compliance Provisions - wells
FACILITY	40CFR 60-WWW.755 (c)	1	-17		Compliance Provisions - surface methane
FACILITY	40CFR 60-WWW.755 (d)	1	-18		Compliance Provisions - instrumentation specifications
FACILITY	40CFR 60-WWW.755 (e)	1	-19		Compliance Provisions - Start-up, shutdown, or malfunction
FACILITY	40CFR 60-WWW.756 (a)	1	-20		Monitoring of Operations
FACILITY	40CFR 60-WWW.756 (c)	1	-21		Monitoring of Operations - Open flare
FACILITY	40CFR 60-WWW.756 (d)	1	-22		Monitoring of Operations - Other devices
FACILITY	40CFR 60-WWW.756 (f)	1	-23		Monitoring of Operations - Surface Methane
FACILITY	40CFR 60-WWW.757 (a)	1	-24		Reporting requirements - Initial design capacity
FACILITY	40CFR 60-WWW.757 (b)	1	-25		Reporting requirements - NMOC emission rate
FACILITY	40CFR 60-WWW.757 (c)	1	-26		Reporting Requirements - Collection and Control System Design Plan



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FACILITY	40CFR 60-WWW.757 (d)	1	-27	Reporting Requirements - Closure Report
FACILITY	40CFR 60-WWW.757 (e)	1	-28	Reporting Requirements - Control Equipment Removal
FACILITY	40CFR 60-WWW.757 (f)	1	-29	Reporting requirements - Annual Reports
FACILITY	40CFR 60-WWW.757 (g)	1	-30	Reporting requirements - Collection and control system
FACILITY	40CFR 60-WWW.758 (a)	1	-31	Recordkeeping requirements - waste
FACILITY	40CFR 60-WWW.758 (b)	1	-32	Recordkeeping requirements - control equipment
FACILITY	40CFR 60-WWW.758 (c)	1	-33	Recordkeeping requirements - operating parameters
FACILITY	40CFR 60-WWW.758 (d)	1	-34	Recordkeeping requirements - collectors
FACILITY	40CFR 60-WWW.758 (e)	1	-35	Recordkeeping requirements - exceedances of operational standards
FACILITY	40CFR 60-WWW.759 (a)	1	-36	Specifications for active collection systems
FACILITY	40CFR 60-WWW.759 (b)	1	-37	Specifications for active collection systems
FACILITY	40CFR 60-WWW.759 (c)	1	-38	Specifications for active collection systems
FACILITY	40CFR 63-AAAA.1955 (b)	53		Municipal Solid Waste Landfill NESHAP - General requirements
FACILITY	40CFR 63-AAAA.1980 (a)	54		Recordkeeping and Reports
1-LFGTE	40CFR 63-ZZZZ.6590 (a) (2)	1	-51	Reciprocating Internal Combustion Engine (RICE) NESHAP - Applicability - New RICE
1-LFGTE	40CFR 63-ZZZZ.6590 (c)	1	-52	Stationary RICE subject to Regulations under 40 CFR Part 60
1-LFGTE	40CFR 63-ZZZZ.6595 (a) (7)	1	-53	NESHAP for Reciprocating Internal Combustion Engines - Compliance Dates
1-LFGTE	40CFR 63-ZZZZ.6665	1	-54	Stationary Reciprocating Internal Combustion Engines - General provisions
FACILITY	40CFR 68	21		Chemical accident prevention provisions



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FACILITY	40CFR 82-F	22		Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1		Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10		Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	64, 1	-55	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11		Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12		Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	13		Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	14		Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	23, 55, 56, 1	-1	Title V Permits and the Associated Permit Conditions
1-LFGTE	6NYCRR 201-6	1	-39	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (a) (4)	15		General conditions
FACILITY	6NYCRR 201-6.5 (a) (7)	2		General conditions
FACILITY	6NYCRR 201-6.5 (a) (8)	16		Fees
FACILITY	6NYCRR 201-6.5 (c)	3		General conditions
				Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (2)	4		Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (3) (ii)	5		Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (d) (5)	17		Compliance schedules
FACILITY	6NYCRR 201-6.5 (e)	6		Compliance Certification
FACILITY	6NYCRR 201-6.5 (f) (6)	18		Off Permit Changes
FACILITY	6NYCRR 201-6.5 (g)	1	-2	Permit shield
FACILITY	6NYCRR 202-1.1	19		Required emissions tests.
FACILITY	6NYCRR 202-2.1	7		Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8		Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.2	65, 1	-56	General Prohibitions - air pollution prohibited.
FACILITY	6NYCRR 211.3	20		General Prohibitions - visible emissions limited
FACILITY	6NYCRR 212.4 (a)	1	-3	General Process Emission Sources - emissions from new



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FACILITY

6NYCRR 215

9

sources and/or
modifications
Open Fires

Applicability Discussion:

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

ECL 19-0301.

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.

6NYCRR Part 200-.6

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

6NYCRR Part 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

6NYCRR Part 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.

6NYCRR Part 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6NYCRR Part 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6NYCRR Part 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.

6NYCRR Part 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.

6NYCRR Part 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



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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.

6NYCRR 201-6.5(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.

6NYCRR 201-6.5(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.

6NYCRR 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR 201-6.5(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.

6NYCRR Part 201-6.5(e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal



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frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6NYCRR 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR Part 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.

6NYCRR Part 202-2.1

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

6NYCRR Part 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.

6NYCRR Part 211-.2

This regulation prohibits any emissions of air contaminants to the outdoor atmosphere which may be detrimental to human, plant or animal life or to property, or which unreasonably interferes with the comfortable enjoyment of life or property regardless of the existence of any specific air quality standard or emission limit.

6 NYCRR Part 211.3

This condition requires that the opacity (i.e., the degree to which emissions other than water reduce the transmission of light) of the emissions from any air contamination source be less than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent.

6 NYCRR Part 215

Prohibits open fires at industrial and commercial sites.

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



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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, CHAUTAUQUA COUNTY LANDFILL has been determined to be subject to the following regulations:

40 CFR 60.4230 (a) (4) (i)

Owners and operators of stationary spark ignited internal combustion engines (SI ICE), that commence construction after June 12, 2006, where the stationary SI ICE are manufactured on or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP) are subject to the requirements of 40 CFR 60 Subpart JJJJ.

40 CFR 60.4233 (e)

This regulation sets the emission limit for internal combustion engines greater than 100 horsepower.

40 CFR 60.4234

This regulation requires the owners and operators of stationary spark ignited internal combustion engine (SI ICE) to operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine.

40 CFR 60.4236 (b)

This regulation requires that after July 1, 2009, owners and operators may not install stationary SI ICE with a maximum engine power of greater than or equal to 500 HP that do not meet the applicable requirements in §60.4233, except that lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP that do not meet the applicable requirements in §60.4233 may not be installed after January 1, 2010.

40 CFR 60.4243 (b) (2) (ii)

This regulation requires the owner or operator of a stationary SI internal combustion engine greater than 500 HP to keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.

40 CFR 60.4244



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

40 CFR 60.4245 (a)

This regulation sets forth the notification, reporting and recordkeeping requirements for 40 CFR 60 Subpart JJJJ, for owners and operators of stationary spark ignited internal combustion engines.

40 CFR 60.4245 (c)

This regulation sets forth the notification requirements for engines larger than 500 horsepower.

40 CFR 60.4245 (d)

Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed.

40 CFR 60.4246

This regulation specifies that the following provisions of 40 CFR 60 Subpart A apply to this facility: 60.1 through 60.12, 60.14 through 60.17 and 60.19.

40 CFR 60.752 (b) (2)

If the non-methane organic carbon emission rate is greater than 50 megagrams/year (55 tons/year), the owner or operator must submit a design plan for a collection and control system.

40 CFR 60.752 (b) (2) (iii) (C)

Route the collected gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of paragraph (b)(2)(iii) (A) or (B) of this section.

40 CFR 60.753 (a)

This condition sets forth the requirements of where and when a collection and control system is required at an MSW landfill. The collection system is required for areas, cells or groups of cells where solid waste has been in place for 5 years (if active) or 2 years (if inactive or closed). The collection system must be operated as follows: under negative pressure; with a temperature of less than 55 degrees Celsius; and with an oxygen content less than 5% or a nitrogen content less than 20%

40 CFR 60.753 (b)

This condition requires that the collection system be operated under negative pressure.

40 CFR 60.753 (c)

This condition requires that each interior wellhead in the collection system be operated such that the landfill gas temperature is less than 55 °C and with a nitrogen content less than 20% or an oxygen content less than 5%.

40 CFR 60.753 (d)

This condition requires that the collection system be operated such that the concentration of methane on the surface of the landfill is less than 500 parts per million (by volume).

40 CFR 60.753 (e)

This condition requires that all collected gases be sent to a control system when the collection system is operating.



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40 CFR 60.753 (f)

This condition requires that the control or treatment system be operated at all times when the collected gas is sent to the system.

40 CFR 60.755 (a)

This condition sets forth the compliance provisions for the collection system at an MSW landfill.

40 CFR 60.755 (b)

This condition sets forth the compliance provisions for the collection system. The system must be installed within 60 days after the date on which solid waste has been in place for a period of 5 years for an active cell or section or 2 years for a closed cell or section.

40 CFR 60.755 (c)

This condition sets forth the procedures to be used to determine compliance with the surface methane operational standard. The perimeter and surface area of the landfill are monitored for methane concentrations. If the concentration is 500 parts per million above background, corrective action must be taken.

40 CFR 60.755 (d)

This condition sets forth the instrumentation specifications and procedures for determining the surface methane concentration.

40 CFR 60.755 (e)

This condition requires that the provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices

40 CFR 60.756 (a)

This condition sets forth the monitoring requirements for an active gas collection system. Landfill gas temperature, pressure and oxygen or nitrogen content must be monitored.

40 CFR 60.756 (c)

This condition sets forth the requirements for an open flare used to control landfill gas. A heat sensing device to determine the presence of a flame or pilot light and a gas flow meter are required.

40 CFR 60.756 (d)

This condition sets forth the requirements for the use of other devices to control landfill gas.

40 CFR 60.756 (f)

This condition requires that monitoring of surface methane concentrations be done according to the requirements of 40 CFR 60.755(d).

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.



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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 60.757 (d)

This condition requires that each owner or operator of a controlled landfill shall submit a closure report to the Administrator 30 days after the landfill stops accepting waste.

40 CFR 60.757 (e)

This condition requires that each owner or operator of a controlled landfill submit an equipment removal report to the EPA Administrator 30 days prior to removal or cessation of operation of the control equipment

40 CFR 60.757 (f)

This condition sets forth the requirements for the annual report from the MSW landfill.

40 CFR 60.757 (g)

This condition sets forth the required information to be included in the initial performance test report (i.e., stack test) for the control system at an MSW landfill.

40 CFR 60.758 (a)

This condition requires that 5 years of up-to-date records be kept of the current amount of waste in place at the landfill.

40 CFR 60.758 (b)

This condition specifies the records to be kept regarding the control equipment at the landfill.

40 CFR 60.758 (c)

This condition requires each owner or operator of a controlled landfill to keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in 40 CFR Part 60.756 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.

40 CFR 60.758 (d)

This condition requires each owner or operator to keep, for the life of the collection system, an up-to-date, readily accessible plot map showing each existing and planned collector (eg. well) in the system and providing a unique identification location label for each collector.

40 CFR 60.758 (e)

This condition requires each owner or operator to keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR Part 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance

40 CFR 60.759 (a)

This condition provides the specifications for the construction and installation of the active collection system.

40 CFR 60.759 (b)



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This condition provides the specifications for the construction and installation of the active collection system

40 CFR 60.759 (c)

This condition provides the specifications for the construction and installation of the active collection system

40 CFR 63.1955 (b)

This condition requires the owner or operator of the landfill to prepare and implement a Startup, Shutdown, Malfunction (SSM) plan for the control device used at the landfill to control the landfill gas. The plan must describe the procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction; a program of corrective action for malfunctioning process; and air pollution control and monitoring equipment used to comply with this standard.

40 CFR 63.1980 (a)

This regulation requires the owner or operator of the landfill to submit a report, on a semiannual basis of the following:

- any time the monitoring of wellhead parameters showed exceedances of temperature, pressure or nitrogen and oxygen content
- description and duration of any gas diversion from the control device
- description and duration when the control device was not operating for more than 1 hour
- all periods when the collection system was not operating for 5 days or more
- location of each exceedance of the 500 ppm standard for surface methane
- date of installation and location of any additional wells for the collection system.

40 CFR 63.6590 (a) (2)

40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE):

In accordance with 40 CFR 63.6595(a)(7), if you start up a new stationary RICE located at an area source of HAP emissions after January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of the affected source.

40 CFR 63.6590 (c)

This regulation states that an affected source that is a new or reconstructed stationary RICE located at an area source must meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart JJJJ, for spark ignition engines.

40 CFR 63.6595 (a) (7)

If you start up your new or reconstructed stationary RICE located at an area source of HAP emissions after January 18, 2008, you must comply with the applicable emission limitations and operating limitations in this subpart upon startup of your affected source.

40 CFR 63.6665

This regulation specifies which provisions of the General provisions (Subpart A of 40 CFR 63) apply to the owner or operators of stationary internal combustion engines at facilities with emissions of hazardous

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air pollutants.

6 NYCRR 212.4 (a)

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.

Compliance Certification

Summary of monitoring activities at CHAUTAUQUA COUNTY LANDFILL:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring

1-LFGTE	1-41	intermittent emission testing
1-LFGTE	1-42	intermittent emission testing
1-LFGTE	1-43	intermittent emission testing
1-LFGTE	1-46	record keeping/maintenance procedures
1-LFGTE	1-48	record keeping/maintenance procedures
1-LFGTE	1-49	record keeping/maintenance procedures
FACILITY	1-6	work practice involving specific operations
FACILITY	1-7	record keeping/maintenance procedures
FACILITY	1-9	work practice involving specific operations
FACILITY	1-10	work practice involving specific operations
FACILITY	1-11	work practice involving specific operations
FACILITY	1-12	ambient air monitoring
FACILITY	1-13	record keeping/maintenance procedures
FACILITY	1-14	record keeping/maintenance procedures
FACILITY	1-20	record keeping/maintenance procedures
FACILITY	1-21	record keeping/maintenance procedures
FACILITY	1-23	ambient air monitoring
FACILITY	1-29	record keeping/maintenance procedures
FACILITY	1-31	record keeping/maintenance procedures
FACILITY	1-32	record keeping/maintenance procedures
FACILITY	1-33	record keeping/maintenance procedures
FACILITY	1-34	record keeping/maintenance procedures
FACILITY	1-35	record keeping/maintenance procedures
FACILITY	53	record keeping/maintenance procedures



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FACILITY	54	record keeping/maintenance procedures
1-LFGTE	1-54	record keeping/maintenance procedures
FACILITY	1-1	monitoring of process or control device parameters as surrogate
1-LFGTE	1-39	intermittent emission testing
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
FACILITY	1-3	monitoring of process or control device parameters as surrogate

Basis for Monitoring

APPLICABLE REQUIREMENTS:

6NYCRR Part 202-1 - Required Emission Tests:

The design emission rates of the internal combustion engines for nitrogen oxides (NOx) and carbon monoxide (CO) are 0.6 grams per brake horsepower-hour (g/bhp-hr) and 3.0 g/bhp-hr, respectively. The design emission rates were used to assess the non-applicability of the facility to New Source Review (6NYCRR Part 231-2), Prevention of Significant Deterioration (40CFR52.21) and Reasonably Available Control Technology for Oxides of Nitrogen (6 NYCRR Part 227-2). The Department requires routine performance testing and periodic monitoring of the internal combustion engines to confirm the engines consistently operate within the design criteria.

6NYCRR Part 208 - Landfill Gas Collection and Control Systems for Certain Municipal Solid Waste Landfills:

On July 16, 2007 gas samples were collected from the main header of the Chautauqua County Landfill active gas collection system and analyzed for NMOC. Based on these results, Chautauqua County recalculated the NMOC emission rates from the landfill using LandGEM. The results were provided to the Department in January, 2008 and demonstrated the uncollected NMOC emission rate from the landfill is greater than 50 megagrams per year. In accordance with the regulation, Chautauqua County is now required to submit a collection and control system design plan to the Department within 1 year or by January 1, 2009. In addition, Chautauqua County is required to install the Department approved collection and control system within 30 months or by June 1, 2010.

As stated in 6NYCRR Part 208.3, the regulatory standards for operation of an open flare require the flare be designed and operated in accordance with 40 CFR Section 60.18. Chautauqua County must test the flare to demonstrate compliance with 40CFR60.18 within 60 days after achieving the maximum production rate but not later than 180 days



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after initial start-up of the LFGTE plant.

The regulatory standards for combusting the landfill gas in stationary internal combustion engines to produce electricity require that a gas pre-treatment system be utilized. 6NYCRR Part 208.3 and the governing EPA rule, identified as 40CFR60 Subpart Cc - Emission Guidelines, currently do not provide sufficient details about the pre-treatment system. EPA has recognized the need for more detailed requirements and has proposed changes to the rule on September 8, 2006. The proposed changes have been incorporated into this permit as described below in 40CFR60 Subpart Cc.

Proposed Amendments to 40 CFR60 Subpart Cc - Emission Guidelines for Municipal Solid Waste Landfills:

EPA clarified the definition of a treatment system by adding specific numerical values that would provide long-term protection of the combustion equipment, which would support good combustion. For particulate matter filtration, a filter system would be required to have an absolute rating no greater than 10 microns. For dewatering, the system would be required to reduce the dew point by at least 20 degrees Fahrenheit. In addition, EPA clarified the monitoring requirements for treatment systems. To ensure that treatment systems are operating properly to achieve the filtration and de-watering levels specified in the revised proposed treatment system definition, they proposed more specific monitoring, recordkeeping, and reporting requirements. They also proposed that owners/operators of treatment systems monitor pressure drop across the filtration system and temperature or dew point for dewatering systems, depending on the type of de-watering system.

The permit requires Chautauqua County to submit a monitoring plan within 180 days of startup. The plan should provide documentation that the pre-treatment system satisfies the EPA definition and provide monitoring methods used for the filtering, dewatering and compression processes to ensure the treatment system operates as designed.

6NYCRR Part 212 - General Process Emission Sources:

Due to noted odor complaints and the need to evaluate the impact of the landfill on nearby receptors, an Air Quality Impact Evaluation was requested by the Department in March, 2007.

The elements of the Air Quality Impact Evaluation included a landfill gas sampling program, air dispersion model analysis and ambient hydrogen sulfide monitoring program. The ambient air quality impact analysis was completed in January, 2008 and demonstrated the facility emissions do not exceed the SGCs, AGCs or AAQS. Based on the results of the Air Dispersion Model Analysis, an ambient hydrogen sulfide monitoring program was not requested.

6NYCRR Part 227-1.3(a) - Stationary Combustion Installations:

Chautauqua County must operate the engines with less than 20 percent opacity (six minute



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average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with the opacity standard will be accomplished by completing weekly visible emission observations. Within 180 days of startup, Chautauqua County Landfill shall submit an Operation and Maintenance (O&M) plan for the engines. The O&M plan shall outline proper operation and maintenance procedures to minimize emission from the engines. The plan shall include, but is not limited to: operation requirements, maintenance schedule, reporting, and recordkeeping.

*40CFR63 Subpart AAAA - National Emission Standards for Hazardous Air Pollutants:
Municipal Solid Waste Landfills:*

Chautauqua County must comply with the startup, shutdown, and malfunction requirements in Subpart A of this part as specified in Table 1 of this subpart and all affected sources must submit compliance reports every 6 months including information on all deviations that occurred during the 6-month reporting period.