



Facility Identification Data

Name: SENECA ENERGY LFGTE FACILITY
Address: ST RTE 414|RENEWABLE RESOURCES PARK
SENECA FALLS, NY 13165

Owner/Firm

Name: SENECA ENERGY II LLC
Address: 2999 JUDGE RD
OAKFIELD, NY 14125, USA
Owner Classification: Corporation/Partnership

Permit Contacts

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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 TV permit is being modified for the following reasons:

1. Approve the installation and operation of an emergency diesel fueled IC engine 800 eKW electricity generator (which will only be operated to supply the facility with limited temporary power when utility outages occur).
2. List Subpart 201-3.2 Exempt Activities, NYCRR, in the permit as required by this rule.
3. Change equipment operating specifications (i.e., fuel use rates and stack diameter values).
4. Change CO and NOx emission rate calculation procedures for the CAT G3520C gas IC engines.



The combustion of diesel fuel has the potential to emit into the ambient environment nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compounds (VOC), sulfur oxides (SOx), fine particulates (PM10, particulates with diameters less than 10 microns), volatile organic compounds (VOC), and other materials (hazardous air pollutants-HAPs) that are defined as regulated air pollutants by the state of New York and U.S. Environmental Protection Agency (USEPA).

Attainment Status

SENECA ENERGY LFGTE FACILITY is located in the town of SENECA FALLS in the county of SENECA. 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 permitted electricity generation equipment and processes operated at the Seneca Energy LFGTE Facility consists of:

1. LFG treatment equipment (proprietary gas dewatering, filtration and compression equipment processes).
2. 14 lean-burn Caterpillar, Inc. (CAT) G3516 gas IC engines connected to individual electricity generators (with the potential to generate 11.445 MW of electricity).
3. 4 lean-burn CAT G3520C gas IC engines connected to individual electricity generators (with the potential to generate 6.4 MW of electricity).
4. Ancillary equipment that supports the electricity generation operations.
 - a. Each of the IC engines is equipped with a stand-alone fan-cooled radiator.
 - b. Engine radiator coolant (new and used) will be stored in separate above ground holding tanks positioned on the premises of the LFG fueled IC engine electricity generation operations. The new and waste engine radiator coolant



storage tanks will each have capacities of 1,000 gallons.

c. Engine lube oil (new and used) will be stored in separate above ground holding tanks positioned on the premises of the LFG fueled IC engine electricity generation operations. The new lube oil storage tank will have a capacity of 8,000 gallons. The waste oil storage tank will have a capacity of 2,000 gallons.

Seneca Energy plans to install and operate a:

1. Diesel fueled IC engine (Caterpillar, Inc., CAT Model C27 DITA) to power an electricity generator (CAT Model SR4B).
2. 1400 gallon above ground tank that will store diesel fuel to operate the emergency generator.

The emergency generator will operate a maximum of 250 hours per year (hr/yr) to supply the facility with limited temporary power when utility outages occur.

Permit Structure and Description of Operations

The Title V permit for SENECA ENERGY LFGTE FACILITY

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.

SENECA ENERGY LFGTE FACILITY is defined by the following emission unit(s):

Emission unit 3STAGE - 1. 14 lean-burn CAT G3516 (01ENG-14ENG) and 4 lean-burn CAT G3520C (15ENG-18ENG) gas IC engines connected to individual electricity generators installed in building ENGBLDG.

2. Ancillary equipment with insignificant emissions [exempt pursuant to 6NYCRR Part 201-3.1(b)] that supports the electricity generation operations.

a. Engine radiator coolant (new and used) will be stored in separate above ground holding tanks positioned on the premises of the LFG fueled IC engine electricity generation operations. The new and waste engine radiator coolant



storage tanks will each have capacities of 1,000 gallons.

b. Engine lube oil (new and used) will be stored in separate above ground holding tanks positioned on the premises of the LFG fueled IC engine electricity generation operations. The new lube oil storage tank will have a capacity of 8,000 gallons. The waste oil storage tank will have a capacity of 2,000 gallons.

Emission unit 3STAGE is associated with the following emission points (EP):

ENG01, ENG02, ENG03, ENG04, ENG05, ENG06, ENG07, ENG08, ENG09, ENG10, ENG11, ENG12, ENG13, ENG14, ENG15, ENG16, ENG17, ENG18

It is further defined by the following process(es):

Process: ST3 is located at Building ENGBLDG - Process ST3 consists of:

1. 14 CAT G3516 gas IC engine generator sets that have individual maximum heat input rates of 8.6 MMBtu/hr LHV. At the minimum fuel quality utilization value of 420 Btu/cf (LHV), the maximum fuel use rate of each IC engine is approximately 341 cfm.

2. 4 CAT G3520C gas IC engine generator sets that have individual maximum heat input rates of 14.67 MMBtu/hr LHV. 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.

Emission unit EGENER - This emission unit will consist of one (1) diesel fueled IC engine (Catepillar, Inc., CAT Model C27 DITA) used to power an electricity generator (CAT Model SR4B) for a maximum of 250 hr/yr when utility outages occur.

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

EGEN1

It is further defined by the following process(es):

Process: EMG is located at Main Floor, Building EGENENCL - Process 001 consists of an emergency 800 kW diesel fueled IC engine generator set. (Not 6NYCRR Part 201-3(b) exempt based applicability of 40CFR Part 60 Subpart IIII).

Title V/Major Source Status

SENECA ENERGY LFGTE FACILITY is subject to Title V requirements. This determination is based on the following information:

This facility has emissions that are major for NOx and CO.

Program Applicability

The following chart summarizes the applicability of SENECA ENERGY LFGTE FACILITY with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	YES
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	NO



NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
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.



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

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
2-01-008-02	INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - LANDFILL GAS Reciprocating
2-01-008-07	INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - LANDFILL GAS RECIPROCATING: EXHAUST

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Series 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



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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. ONY100-00-0. 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
000079-34-5	1,1,2,2-TETRACHLOROETHANE		> 0 but < 10 tpy
000079-34-5	1,1,2,2-TETRACHLOROETHANE		> 0 but < 10 tpy
000107-06-2	1,2-DICHLOROETHANE		> 0 but < 10 tpy
000107-06-2	1,2-DICHLOROETHANE		> 0 but < 10 tpy
000108-10-1	2-PENTANONE, 4-METHYL		> 0 but < 10 tpy
000108-10-1	2-PENTANONE, 4-METHYL		> 0 but < 10 tpy
000071-43-2	BENZENE		> 0 but < 10 tpy
000071-43-2	BENZENE		> 0 but < 10 tpy
000075-15-0	CARBON DISULFIDE		> 0 but < 10 tpy
000075-15-0	CARBON DISULFIDE		> 0 but < 10 tpy
000630-08-0	CARBON MONOXIDE		>= 250 tpy
000630-08-0	CARBON MONOXIDE	999998	>= 250 tpy
000630-08-0	CARBON MONOXIDE		>= 250 tpy
000630-08-0	CARBON MONOXIDE	600600	>= 250 tpy
000056-23-5	CARBON TETRACHLORIDE		> 0 but < 10 tpy
000056-23-5	CARBON TETRACHLORIDE		> 0 but < 10 tpy
000463-58-1	CARBONYL SULFIDE		> 0 but < 10 tpy
000463-58-1	CARBONYL SULFIDE		> 0 but < 10 tpy
000108-90-7	CHLOROETHANE		> 0 but < 10 tpy
000108-90-7	CHLOROETHANE		> 0 but < 10 tpy
000067-66-3	CHLOROFORM		> 0 but < 10 tpy
000067-66-3	CHLOROFORM		> 0 but < 10 tpy
000075-09-2	DICHLOROMETHANE		> 0 but < 10 tpy
000075-09-2	DICHLOROMETHANE		> 0 but < 10 tpy
000071-55-6	ETHANE, 1,1,1-TRICHLORO		> 0 but < 10 tpy
000071-55-6	ETHANE, 1,1,1-TRICHLORO		> 0 but < 10 tpy
000075-34-3	ETHANE, 1,1-DICHLORO-		> 0 but < 10 tpy
000075-34-3	ETHANE, 1,1-DICHLORO-		> 0 but < 10 tpy
000075-00-3	ETHANE, CHLORO		> 0 but < 10 tpy
000075-00-3	ETHANE, CHLORO		> 0 but < 10 tpy
000075-35-4	ETHENE, 1,1-DICHLORO		> 0 but < 10 tpy
000075-35-4	ETHENE, 1,1-DICHLORO		> 0 but < 10 tpy
000100-41-4	ETHYLBENZENE		> 0 but < 10 tpy
000100-41-4	ETHYLBENZENE		> 0 but < 10 tpy
ONY100-00-0	HAP		>= 2.5 tpy but < 10 tpy
ONY100-00-0	HAP		>= 2.5 tpy but < 10 tpy
000110-54-3	HEXANE		> 0 but < 10 tpy
000110-54-3	HEXANE		> 0 but < 10 tpy
007647-01-0	HYDROGEN CHLORIDE		> 0 but < 10 tpy
007647-01-0	HYDROGEN CHLORIDE		> 0 but < 10 tpy
007439-97-6	MERCURY		> 0 but < 10 tpy
007439-97-6	MERCURY		> 0 but < 10 tpy
000078-93-3	METHYL ETHYL KETONE		> 0 but < 10 tpy
000078-93-3	METHYL ETHYL KETONE		> 0 but < 10 tpy
ONY998-20-0	NMOC - LANDFILL USE ONLY		>= 10 tpy but < 25 tpy
ONY998-20-0	NMOC - LANDFILL USE ONLY		>= 2.5 tpy but < 10 tpy
ONY998-20-0	NMOC - LANDFILL USE ONLY		>= 10 tpy but < 25 tpy
ONY210-00-0	OXIDES OF NITROGEN		>= 100 tpy but < 250 tpy
ONY210-00-0	OXIDES OF NITROGEN		>= 100 tpy but < 250 tpy
ONY210-00-0	OXIDES OF NITROGEN	399998	>= 100 tpy but < 250 tpy
ONY210-00-0	OXIDES OF NITROGEN	331800	>= 100 tpy but < 250 tpy
ONY075-00-0	PARTICULATES		>= 10 tpy but < 25 tpy
ONY075-00-0	PARTICULATES		> 0 but < 2.5 tpy
ONY075-00-0	PARTICULATES		> 0 but < 2.5 tpy
ONY075-00-0	PARTICULATES		>= 10 tpy but < 25 tpy
000127-18-4	PERCHLOROETHYLENE		> 0 but < 10 tpy
000127-18-4	PERCHLOROETHYLENE		> 0 but < 10 tpy
ONY075-00-5	PM-10		>= 10 tpy but < 25 tpy
ONY075-00-5	PM-10		>= 10 tpy but < 25 tpy



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0NY075-00-5	PM-10	> 0 but < 2.5 tpy
0NY075-00-5	PM-10	> 0 but < 2.5 tpy
000078-87-5	PROPANE, 1,2-DICHLORO	> 0 but < 10 tpy
000078-87-5	PROPANE, 1,2-DICHLORO	> 0 but < 10 tpy
000107-13-1	PROPENENITRILE	> 0 but < 10 tpy
000107-13-1	PROPENENITRILE	> 0 but < 10 tpy
007446-09-5	SULFUR DIOXIDE	>= 2.5 tpy but < 10 tpy
007446-09-5	SULFUR DIOXIDE	>= 2.5 tpy but < 10 tpy
007446-09-5	SULFUR DIOXIDE	> 0 but < 2.5 tpy
007446-09-5	SULFUR DIOXIDE	> 0 but < 2.5 tpy
000108-88-3	TOLUENE	> 0 but < 10 tpy
000108-88-3	TOLUENE	> 0 but < 10 tpy
000079-01-6	TRICHLOROETHYLENE	> 0 but < 10 tpy
000079-01-6	TRICHLOROETHYLENE	> 0 but < 10 tpy
000075-01-4	VINYL CHLORIDE	> 0 but < 10 tpy
000075-01-4	VINYL CHLORIDE	> 0 but < 10 tpy
0NY998-00-0	VOC	>= 2.5 tpy but < 10 tpy
0NY998-00-0	VOC	>= 2.5 tpy but < 10 tpy
0NY998-00-0	VOC	>= 2.5 tpy but < 10 tpy
001330-20-7	XYLENE, M, O & P MIXT.	> 0 but < 10 tpy
001330-20-7	XYLENE, M, O & P MIXT.	> 0 but < 10 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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,



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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 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 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 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.

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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



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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		38	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 60-A.11	1 -22	General provisions - compliance with standards and maintenance requirements
FACILITY	40CFR 60-A.12	1 -23	General provisions - Circumvention
FACILITY	40CFR 60-A.14	1 -24	General provisions - Modification
FACILITY	40CFR 60-A.15	1 -25	General provisions - Reconstruction
FACILITY	40CFR 60-A.4	32	General provisions - Address
FACILITY	40CFR 60-A.7(a)	1 -9	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(b)	1 -10	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(c)	1 -11	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(d)	1 -12	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(e)	1 -13	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(f)	1 -14	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(g)	1 -15	Notification and Recordkeeping
FACILITY	40CFR 60-A.8(a)	1 -16	
FACILITY	40CFR 60-A.8(b)	33	
FACILITY	40CFR 60-A.8(c)	1 -17	
FACILITY	40CFR 60-A.8(d)	1 -18	
FACILITY	40CFR 60-A.8(e)	1 -19	
FACILITY	40CFR 60-A.8(f)	1 -20	
FACILITY	40CFR 60-A.9	1 -21	General provisions - Availability of information
E-GENER	40CFR 60-III.4205(a)	1 -30	Stationary Compression Ignition IC Engines - emission standards for emergency engines
FACILITY	40CFR 60-III.4206	1 -26	Stationary Compression Ignition IC Engines - Duration of Emission Standards
E-GENER	40CFR 60-III.4207(a)	1 -31, 1 -32, 1	-38 Stationary Compression Ignition IC Engine - Fuel requirements beginning October 1, 2007
E-GENER	40CFR 60-III.4207(b)	1 -33	Stationary Compression Ignition IC Engines - Fuel Requirements beginning October 1, 2010
E-GENER	40CFR 60-III.4209(a)	1 -34	Monitoring requirement - Emergency stationary CI-IC engine
E-GENER	40CFR 60-III.4211(e)	1 -35	Stationary IC Engine: Maintenance for emergency engines
E-GENER	40CFR 60-III.4214	1 -36	Notification, Reporting



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3-STAGE FACILITY	40CFR 60-WWW.752(b)(2)(1)	1	-29	and Recordkeeping Requirements - Stationary CI-IC engines
FACILITY	40CFR 68	19		Chemical accident prevention provisions
FACILITY	40CFR 82-F	20		Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1		Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	8		
FACILITY	6NYCRR 201-1.4	39		Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	9		
FACILITY	6NYCRR 201-1.8	1	-3	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2(a)	11		Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3(a)	12		Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	21, 34, 35		Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5(a)(4)	13		
FACILITY	6NYCRR 201-6.5(a)(7)	2		
FACILITY	6NYCRR 201-6.5(a)(8)	14		
FACILITY	6NYCRR 201-6.5(c)	3		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)	15		
FACILITY	6NYCRR 201-6.5(e)	6		
FACILITY	6NYCRR 201-6.5(f)	22		
FACILITY	6NYCRR 201-6.5(f)(6)	16		
FACILITY	6NYCRR 202-1.1	17		
FACILITY	6NYCRR 202-2.1	1	-1	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	1	-2	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.2	1	-39	General Prohibitions - air pollution prohibited.
FACILITY	6NYCRR 211.3	18		General Prohibitions - visible emissions limited
3-STAGE	6NYCRR 212.4(a)	40		General Process Emission Sources - emissions from new sources and/or modifications
FACILITY	6NYCRR 215	7		
3-STAGE	6NYCRR 227-1.3(a)	1	-27	Smoke Emission Limitations.
E-GENER/-/EMG/EGENE	6NYCRR 227-1.3(a)	1	-37	Smoke Emission Limitations.
FACILITY	6NYCRR 227-2.3(c)	23		Compliance plan and deadlines.
FACILITY	6NYCRR 227-2.4(f)(2)(ii)	1	-4	Emission limitation for NOx for lean burn internal combustion engines firing landfill or digester gas.
FACILITY	6NYCRR 227-2.6(c)	1	-5	



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FACILITY	6NYCRR 231-2.4	27, 28	
FACILITY	6NYCRR 257-4	1 -6, 1 -7	Air Quality Standards - Carbon Monoxide
3-STAGE	6NYCRR 257-4	1 -28	Air Quality Standards - Carbon Monoxide
FACILITY	6NYCRR 257-7	1 -8	Air Quality Standards - Nitrogen Dioxide

Applicability Discussion:

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

ECL 19-301.

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 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 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 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 their 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, SENECA ENERGY LFGTE FACILITY has been determined to be subject to the following regulations:

40CFR 60-A.11

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

40CFR 60-A.12

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

40CFR 60-A.14

This regulation defines the term modification and what is and is not considered to be a modification, for the purpose of rule applicability.

40CFR 60-A.15

This regulation defines the term reconstruction and what is and is not considered to be a reconstruction project, for the purpose of rule applicability.

40CFR 60-A.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).

40CFR 60-A.7 (a)

This regulation requires any owner or operator subject to a New Source Performance Standard (NSPS) to furnish the Administrator with notification of the dates of: construction or reconstruction, initial startup, any physical or operational changes, commencement of performance testing for continuous monitors and anticipated



date for opacity observations as required.

40CFR 60-A.7 (b)

This regulation requires the owner or operator to maintain records of the occurrence and duration of any startup, shutdown, or malfunction of the source or control equipment or continuous monitoring system.

40CFR 60-A.7 (c)

This requirement details the information to be submitted in excess emissions and monitoring systems performance reports which must be submitted at least semi-annually for sources with compliance monitoring systems.

40CFR 60-A.7 (d)

This condition specifies the required information and format for a summary report form and details when either a summary form and/or excess emissions reports are required.

40CFR 60-A.7 (e)

This condition specifies how sources that remain in continuous compliance, and are subject to monthly or quarterly reporting, can reduce reporting frequency to semiannually.

40CFR 60-A.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.

40CFR 60-A.7 (g)

This condition allows source owners to use reporting required for state or local agencies to satisfy the paragraph (a) reporting requirements of this section of this rule.

40CFR 60-A.8 (a)

This regulation contains the requirements for the completion date and reporting of Performance Testing (stack testing), at the facility. Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the owner or operator of the facility must conduct performance test(s) and furnish a written report of the test results.

40CFR 60-A.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.

40CFR 60-A.8 (c)

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

40CFR 60-A.8 (d)

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



40CFR 60-A.8 (e)

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

40CFR 60-A.8 (f)

This regulation requires that Performance (stack) tests consist of three runs unless otherwise specified. The rule also designates the allowable averaging methods for the analysis of the results.

40CFR 60-A.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.

40CFR 60-III.4205 (a)

This citation prescribes the emission standards for pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder that are not fire pump engines and pre-2007 model year non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder that are not fire pump engines.

40CFR 60-III.4206

This requirement mandates that owners or operators of stationary compression ignition IC engines that achieve the emission standards as required in 40 CFR 60.4204 and 4205 maintain the engines according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

40CFR 60-III.4207 (a)

Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a).

40CFR 60-III.4207 (b)

Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b).

40CFR 60-III.4209 (a)

The owner and/or operator of an emergency stationary compression ignition internal combustion engine subject to this subpart is required to install a non-resettable hour meter.

40CFR 60-III.4211 (e)

This regulation states that an emergency stationary internal combustion engine can be run, for maintenance checks, no more than 100 hours per year.

40CFR 60-III.4214

This notification, reporting and recordkeeping requirement applies to non-emergency stationary compression ignition internal combustion engines greater than 2237 kW, or those having a displacement greater than or equal to 10 liters per cylinder or are pre-2007 model year engines exceeding 130 kW and not certified or are emergency stationary CI-IC engines listed in Table 5 of Subpart III of Part 60.

40CFR 60-WWW.752 (b) (2) (iii) ('B')

This condition requires the owner or operator of the landfill to reduce the emissions of NMOC by 98% after the control device or reduce the outlet concentration of NMOC from the control device to less than 20 parts per million.

6NYCRR 201-6.5 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions



probable cause of such deviations, and any corrective actions or preventive measures taken.

6NYCRR 201-6.5 (f)

This regulation defines in general terms under what circumstances changes would be allowed without a permit modification provided the permit contains sufficient operational flexibility provisions.

6NYCRR 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.

6NYCRR 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.

6NYCRR 227-2.3 (c)

6NYCRR Part 227-2.3(c) is required for facilities that are a major source of oxides of nitrogen. The facility is required to have an operating plan that includes a summary of the applicable standards and requirements of this subpart and how this facility will comply. The plan must include descriptions of the items found in 227-2.3(c)(2)(i) through (vii).

6NYCRR 227-2.4 (f) (2) (iii)

This regulation sets the NOx emission limit for lean burn engines firing landfill or digester gas that provide electrical generation for peak shaving. The limit, which applies to engines listed at 200 horsepower for those in the severe ozone non-attainment area and 400 horsepower for the rest of the state, is 2.0 grams of NOx per brake horsepower-hour effective April 1, 2005.

6NYCRR 227-2.6 (c)

6NYCRR Part 227-2.6(c) requires emissions testing for facilities that are a major source of oxides of nitrogen. The facility must submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. For stationary internal combustion engines, the facility must utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department. The facility must also submit a compliance test report containing the results of the emission test to the Department no later than 60 days after completion of the emission test.

6NYCRR 231-2.4

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In the New York City metropolitan area, carbon monoxide is also a non-attainment contaminant. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

The permitting requirements for proposed source projects and new major facilities are set forth in section 231-2.4.

6NYCRR 257-4

This condition contains a facility PTE limit on carbon monoxide emissions to ensure that the facility does not exceed NAAQS. The facility PTE for carbon monoxide was capped at 500 tons/yr. The additional engines brought their PTE to <522.9 tons/yr. The facility applied for a Pollution Prevention Exclusion and based on Air Modeling the limit was approved.

6NYCRR 257-7

6NYCRR Part 257-7 provides the Air Quality Standards for Nitrogen Dioxide (NO₂).

Compliance Certification

Summary of monitoring activities at SENECA ENERGY LFGTE FACILITY:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
FACILITY	1-11	record keeping/maintenance procedures
E-GENER	1-30	intermittent emission testing
E-GENER	1-31	work practice involving specific operations
E-GENER	1-32	work practice involving specific operations
E-GENER	1-38	work practice involving specific operations
E-GENER	1-33	work practice involving specific operations
E-GENER	1-34	record keeping/maintenance procedures
E-GENER	1-35	monitoring of process or control device parameters as surrogate
E-GENER	1-36	record keeping/maintenance procedures
3-STAGE FACILITY	1-29	intermittent emission testing
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	22	record keeping/maintenance procedures
FACILITY	1-1	record keeping/maintenance procedures
3-STAGE	1-27	monitoring of process or control device parameters as surrogate
E-GENER/-/EMG/EGENE	1-37	monitoring of process or control device parameters as surrogate
FACILITY	23	record keeping/maintenance procedures
FACILITY	1-4	intermittent emission testing
FACILITY	1-5	intermittent emission testing
FACILITY	1-6	work practice involving specific operations
FACILITY	1-7	intermittent emission testing
3-STAGE	1-28	intermittent emission testing
FACILITY	1-8	work practice involving specific operations

Basis for Monitoring

6NYCRR Part 201-6.5(f): This condition allows the facility operational flexibility in their operations. The condition outlines what is allowed and the procedures to use in determining if a permit change falls under the operational flexibility rule. The facility is required to report annually any changes made under operational flexibility.

6NYCRR Part 231-2.4: The facility was required to obtain ERCs for NO_x at 1:1 ratio according to the Pollution Prevention Exclusion which was approved by the Department. The facility obtained 52 tpy of NO_x from LFG Energy Upgrade Facility (DEC ID#: 9-1432-00281).



6NYCRR Part 257-7: This condition contains a facility PTE limit on NO_x emissions to ensure that the facility does not exceed NAAQS. The facility PTE for NO_x was capped at 200 tons/yr PTE NO_x. The additional engines brought their PTE to <214.4 tons/yr. The facility applied for a Pollution Prevention Exclusion and based on Air Modeling the limit was approved with the condition that the facility obtain 1:1 ERCs for NO_x.

6NYCRR Part 257-4: This condition contains a facility PTE limit on carbon monoxide emissions to ensure that the facility does not exceed NAAQS. The facility PTE for carbon monoxide was capped at 500 tons/yr. The additional engines brought their PTE to <522.9 tons/yr. The facility applied for a Pollution Prevention Exclusion and based on Air Modeling the limit was approved.

6NYCRR Part 257-4: This condition requires stack testing to be completed on an engine chosen by the Department in order to show compliance with their facility cap for carbon monoxide. It also requires instantaneous monitoring to confirm proper operation of the engines.

6NYCRR Part 227-1.3(a): This condition requires that the facility perform daily observations for any visual emissions from the engines and to keep a record of such observations. The facility may be required to perform a Method 9 when needed.

6NYCRR Part 227-2.3(c): This condition requires that the facility submit a NO_x RACT operating plan for the internal combustion engines at the facility and inform the Department of any changes to the plan.

6NYCRR Part 227-2.4(f)(2)(iii): This condition requires the facility to conduct instantaneous NO_x testing semiannually using a portable NO_x analyzer in order to show compliance with the NO_x RACT standard of 2.0 grams/brake horsepower-hour in the period between formal stack testing. Another condition under this same rule requires the facility to measure and record oxygen levels in the exhaust stack of each engine on a daily basis to ensure that the facility is limiting their NO_x emissions from each engine to 2.0 grams per brake horsepower-hour or less (for engines 1-14).

6NYCRR Part 227-2.6(c): This condition requires the facility to complete emission testing on an internal combustion engine in order to show compliance with the NO_x RACT limit of 2.0 grams per brake horsepower-hour limit.

40CFR60.752(b)(2)(iii)(B), Subpart WWW: This condition requires the facility to complete emission testing on each type of engine in order to show that the facility meets the requirement of control for NMOC. The facility may either show compliance with the reduction of NMOC by 98 weight percent or reduce the outlet NMOC concentration to less than 20 ppm by volume, dry basis as hexane at 3% oxygen.

New York State Department of Environmental Conservation



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