

**Division of Air Resources
Permit Review Report**

Permit ID: 9-0232-00003/00012

Renewal Number: 2

06/08/2026

Facility Identification Data

Name: HYLAND LANDFILL
Address: 6653 HERDMAN RD
Angelica, NY 14709

Owner/Firm

Name: HYLAND FACILITY ASSOCIATES
Address: 25 GREENS HILL LN
RUTLAND, VT 05702, USA
Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

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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 permit action includes the Title V Facility permit renewal Ren 2, Mod 0. It also incorporates the information supplied in Title V Facility permit modification Ren 1, Mod 1, which requests to expand the landfill by 101.3 acres (50.1 acre Eastern Expansion and 51.2 acre Southwest Expansion), which is a significant modification to the existing permit. A public referendum was held in the Town of Angelica on

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November 3, 2020 relating to the expansion project. The existing permitted area is 76.3 acres. Future annual waste acceptance rate is proposed to increase from 465,000 tons/year to 1,000,000 tons/year. The proposed expansion will add approximately 29.8 million cubic yards of disposal capacity.

Two new enclosed flares, each of 5,000 scfm capacity, are included in the permit and will be installed as landfill gas generation increases to ensure capacity to combust collected landfill gas as more waste is placed in the landfill. Peak landfill gas generation modeled using LandGEM was estimated to be 10,000 cfm in the year 2056, the year after the site is projected to reach capacity.

The Crystal Clean Model 1602, 30 gallon drum mount cold degreaser 02DEG was removed from the permit and replaced by a Safety-Kleen Model AQ1 20 gallon degreaser 03DEG, which uses an aqueous-based solvent.

The diesel-powered Perkins Model 1004 4T, 111hp emergency generator has also been removed from the site and the permit.

Requirements under 40 CFR Part 63 Subpart AAAA have been added to the permit. The facility began complying with 40 CFR Part 63 Subpart AAAA on July 1, 2021, superseding the operational requirements of 40 CFR Part 60 Subpart Cf, 40 CFR Part 60 Subpart WWW, and 40 CFR Part 60 Subpart XXX.

Requirements to ensure the New York State Ambient Air Quality Standard (NYSAAQS) for hydrogen sulfide in 6 NYCRR 257-5 are now included based on air dispersion modeling results suggesting exceedance of the standard may occur at full buildout.

To comply with 6 NYCRR 212 requirements for sulfur dioxide, new conditions relating to the installation of a landfill gas treatment system SUL01 prior to flaring collected landfill gas have been added. Emission source control SUL01 will be installed to control sulfur dioxide (SO₂) emissions when calculated emissions approach the level requiring air cleaning in 6 NYCRR Part 212-2.3. This will also reduce SO₂ emissions to stay under the cap.

6 NYCRR Part 225-1 was updated in 2021 when Part 225-1.2(h) was replaced by Part 225-1.2(d). The sulfur-in-fuel limitation remains the same at 0.0015% sulfur by weight. Compliance is based on fuel vendor receipts that can be maintained on site or at a Department approved alternative location for a minimum of five years, rather than the previous semiannual reporting requirement.

A permit condition explaining why Compliance Assurance Monitoring is not applicable to this facility has been removed because the reasoning is straightforward and the condition is unnecessary. The Facility is exempt from CAM due to 40 CFR Part 64.2(b)(1)(i), subject to an emission limitation or standard proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act.

Requirements for electronic reporting under 6 NYCRR Part 202-2.4 have been added.

New conditions relating to the New York State Climate Leadership and Community Protection Act (CLCPA) have also been added under 6 NYCRR 201-6.5(a) to reduce methane emissions. These conditions require early installation of gas collection wells, surface emission monitoring of these early installation areas, a methane threshold of 350 ppm instead of 500 ppm required under the 40 CFR Part 63 Subpart AAAA, more frequent wellhead parameter monitoring, and additional advanced methane surveillance, such as by drone or other method subject to approval by the Department. In addition, progressive capping of landfill areas and use of temporary geomembrane layers will increase GCCS collection efficiency.

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Conditions relating to greenhouse gas reporting in 6 NYCRR Part 253 have been added to the permit.

Attainment Status

HYLAND LANDFILL is located in the town of ANGELICA in the county of ALLEGANY. 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:

Hyland Facility Associates owns and operates the Hyland Landfill (the Facility) located in the Town of Angelica, NY. The existing landfill consists of five (5) permitted cells (76.3 acres) with an annual waste acceptance rate of 465,000 tons per year and a design capacity of approximately 14,169,300 cubic yards. The landfill is used for disposal of municipal solid waste incinerator ash (i.e. fly ash, bottom ash and combined ash), municipal solid waste (MSW), asbestos waste, nonhazardous industrial and commercial solid wastes, construction and demolition (C&D) debris, contaminated soil waste, and sludge waste.

The Facility has an active Gas Collection and Control System (GCCS) that transports the landfill gas (LFG) to either a landfill gas to energy (LFGTE) plant or separately owned and operated Renewable Natural Gas (RNG) facility. The LFGTE plant contains three (3) Caterpillar G3520 landfill gas internal combustion engine/generator sets (1,600 kw each) combusting together nearly 1,500 cfm. The third party 3,000 cfm RNG facility is operated by WB Hyland, which has been issued an Air Facility Registration certificate to process LFG from Hyland Landfill into RNG; this RNG facility was not yet operational at the

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time of application.

In addition, the landfill has a permitted 3,000 cfm open flare and a 1,200 cfm open flare that serve as backup to the LFGTE plant. Two 5,000 cfm nominal capacity enclosed flares are also included in the permit to increase flaring capacity as gas generation increases. The flares ensure the Facility has capacity to control LFG if the RNG and LFGTE facilities are not operating. LFG that escapes the GCCS is accounted for in fugitive emissions. Exempt emissions sources include two (2) emergency generators (less than 400 hp each), two (2) degreaser units, one (1) odor neutralizer system, and one (1) maintenance shop heater (less than 10 MMBTU). Trivial emission sources include one (1) portable motor and two (2) portable generators.

Permit Structure and Description of Operations

The Title V permit for HYLAND LANDFILL

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.

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

Emission unit 1EXMPT - Emission unit 1-EXMPT includes emission sources that are exempt from permitting as allowed in accordance with 6 NYCRR Part 201-3 but are subject to other applicable requirements.

Process: EMG is located at Building ENGBLDG - Process EMG includes two (2) emergency generators including a diesel powered Caterpillar Model D100-6, 156.9 HP located at the LFGTE Plant, manufactured in 2007 and subject to 40 CFR 60 Subpart IIII; and a propane powered Generac Power Systems, Inc. Model 04675, 20 HP located at the Scale House, manufactured in 2005 and subject to 40 CFR 63 Subpart

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Each engine is equipped with an hour meter. The actual hours of operation are used in calculating the monthly carbon monoxide emissions for the facility-wide emissions cap.

Each emergency generator must satisfy the definition of an Emergency power generating stationary internal combustion engine, as specified in 6 NYCRR Part 200.1(cq), to remain classified as an emergency generator.

[6 NYCRR Part 200.1(cq)]: A stationary internal combustion engine that operates as a mechanical or electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour a week to ensure reliability). A stationary internal combustion engine used for peak shaving generation is not an emergency power generating stationary internal combustion engine.

Process: VOC is located at Building ENGBLDG - Process VOC includes two (2) degreasing units that are subject to 6NYCRR Part 226. There is a Safety-Kleen Model 30, 30-gallon drum mount cold degreaser unit with lid at the maintenance shop and a Safety-Kleen Model AQ1, 20-gallon sink with lid cold degreaser unit. The degreasers use an aqueous-based solution. The degreasers do not use halogenated hazardous air pollutants and are not subject to 40 CFR 63 Subpart T.

Emission unit 1LFGTE - Emission Unit 1-LFGTE includes the landfill gas-to-energy (LFGTE) plant. The LFGTE plant consists of a landfill gas treatment system that provides fuel for use in three (3) Caterpillar G3520 landfill gas internal combustion engines connected to individual electricity generators. Landfill gas that is collected and used for fuel in the engines is treated by a system that filters, dewater, and compresses the landfill gas in accordance with the Site Specific Treatment System Monitoring Plan prepared in accordance with 40 CFR 63 Subpart AAAA. The LFG treatment system is operated at all times when gas is routed to the engines or refined for pipeline quality natural gas use.

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

Process: ENG is located at Building ENGBLDG - Process ENG consists of three (3) Caterpillar G3520 landfill gas internal combustion engine generator sets. Each engine may consume up to 550 cubic feet per minute of landfill gas.

Process: GTS is located at Building ENGBLDG - Process GTS includes the landfill gas treatment system. Landfill gas that is collected and used for fuel in the landfill gas Caterpillar G3520 engines and/or separately-owned and operated RNG plant is treated by a system that filters, dewater, and compresses the landfill gas in accordance with the Site-Specific Treatment System Monitoring Plan prepared in accordance with 40 CFR 63 Subpart AAAA, has an absolute filtration rating of 10 microns or less, lowers the water dew point of the landfill gas by at least 20 degrees Fahrenheit with a dewatering process, and compresses the landfill gas. The LFG treatment system is operated at all times when gas is routed to a third party for use. The capacity of the LFG treatment system must be capable of handling all gas that is routed to a third party.

Emission unit 1LNDFL - Emission Unit 1-LNDFL includes the landfill gas generated by decomposing solid waste, an active gas collection system collecting an estimated 77 to 95% of the landfill gas generated

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depending on landfill cover types used and cover area (remainder considered fugitive emissions), and operation of a 3,000 cfm open flare, a 1,200 cfm open flare, and two (2) 5,000 cfm enclosed flares (nominal manufacturer flow ratings) to be installed at a later date that serve as backup to the LFGTE Plant and/or separately-owned and operated renewable natural gas (RNG) plant.

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

STK-2, STK-3, STK-4, STK-5

Process: FLR Process FLR includes the collected landfill gas from the collection system and the operation of the 3,000 cfm open flare, 1,200 cfm open flare, and/or two (2) 5,000 cfm (nominal capacities) enclosed flares. The flares serve as backup to the LFGTE Plant and separately owned and operated RNG plant.

Process: FUG Process FUG includes fugitive landfill gas emissions not collected by the active gas collection system.

Title V/Major Source Status

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

The Facility is major for the following:

-Carbon monoxide (PTE 245 tons/yr)

-Sulfur dioxide (PTE 249.7 tons/yr)

-Single HAP formaldehyde (PTE 29.3 tons/yr). Note that the Facility was previously considered major for formaldehyde and total HAP based on engines in the LFGTE plant. The current application conservatively considers all LFG to be directed to the flares, in consideration of the third-party RNG plant. Major source status based on HAP emissions remain until the LFGTE plant is fully decommissioned and removed from the permit.

-The owner or operator of an MSW landfill subject to 40 CFR Part 60 Subpart WWW with a design capacity greater than or equal to 2.5 million megagrams and 2.5 million cubic meters is subject to part 70 or 71 permitting requirements. The facility was previously subject to 40 CFR Part 60 Subpart WWW and has now opted into the compliance requirements of 40 CFR Part 63 Subpart AAAA. The Facility is also subject to requirements of 40 CFR Part 60 Subpart Cf.

Program Applicability

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

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

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

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52.21, 6 NYCRR 231-7, 231-8) - 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 231-5, 231-6) - 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, 6 NYCRR 200.10) - 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, 6 NYCRR 200.10) - 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, 6 NYCRR 200.10) - 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, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - 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 212-3, 220-1.6, 220-1.7, 220-2.3, 220-2.4, 226, 227-2, 228, 229, 230, 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

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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, 6 NYCRR 200.10) - 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 |
| 4953 | REFUSE SYSTEMS |

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

| | |
|-------------|--|
| 2-01-008-02 | INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - LANDFILL GAS Reciprocating |
| 2-02-001-07 | INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL) RECIPROCATING: EXHAUST |
| 4-01-002-95 | ORGANIC SOLVENT EVAPORATION ORGANIC SOLVENT EVAPORATION - DEGREASING OTHER NOT CLASSIFIED - GENERAL DEGREASING UNITS |
| 5-01-004-06 | SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - LANDFILL DUMP |
| 5-02-006-01 | LANDFILL GAS COLLECTION SYSTEM: OTHER SOLID WASTE DISPOSAL - COMMERCIAL/INSTITUTIONAL SOLID WASTE DISPOSAL: COMMERCIAL - LANDFILL DUMP |

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5-02-006-02

WASTE GAS FLARES ** (USE 5-01-004-10)
SOLID WASTE DISPOSAL -
COMMERCIAL/INSTITUTIONAL
SOLID WASTE DISPOSAL: COMMERCIAL - LANDFILL
DUMP
MUNICIPAL: FUGITIVE EMISSIONS ** (USE 5-01-
004-02)

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 for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. 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 | PTE lbs/yr | PTE tons/yr | Actual lbs/yr | Actual tons/yr |
|-------------|----------------------------|------------|-------------|---------------|----------------|
| 000079-34-5 | 1,1,2,2-TETRACHLOROETHANE | 11.88 | | | |
| 000107-06-2 | 1,2-DICHLOROETHANE | 77.03 | | | |
| 000108-10-1 | 2-PENTANONE, 4-METHYL | 137.47 | | | |
| 000071-43-2 | BENZENE | 64.57 | | | |
| 000095-63-6 | BENZENE, 1,2,4-TRIMETHYL- | 80.6 | | | |
| 000108-67-8 | BENZENE, 1,3,5-TRIMETHYL- | 41.24 | | | |
| 000106-46-7 | BENZENE, 1,4-DICHLORO- | 10.4 | | | |
| 000622-96-8 | BENZENE, 1-ETHYL-4-METHYL- | 110.6 | | | |
| 000075-27-4 | BROMODICHLOROMETHANE | 11.59 | | | |
| 000106-97-8 | BUTANE | 453.23 | | | |
| 000124-38-9 | CARBON DIOXIDE | | 135962 | | |
| 0NY750-00-0 | CARBON DIOXIDE EQUIVALENTS | | 495107 | | |
| 000075-15-0 | CARBON DISULFIDE | 118.73 | | | |
| 000630-08-0 | CARBON | 490000 | | | |

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| | | | |
|-------------|----------------------------|----------|--------|
| 000056-23-5 | MONOXIDE CARBON | 10.89 | |
| 000463-58-1 | TETRACHLORIDE CARBONYL | 103.05 | |
| 000108-90-7 | SULFIDE CHLOROBENZEN | 7.96 | |
| 000075-45-6 | E CHLORODIFLUO | 198.9 | |
| 000067-66-3 | RO-METHANE CHLOROFORM | 6.34 | |
| 000075-71-8 | DICHLORODIFLU | 15.61 | |
| 000075-09-2 | OROMETHANE DICHLOROMETH | 14.28 | |
| 000067-64-1 | ANE DIMETHYL | 1811.65 | |
| 000075-18-3 | KETONE DIMETHYL | 193.8 | |
| 000074-84-0 | SULFIDE ETHANE | 13445.93 | |
| 000071-55-6 | ETHANE, 1,1,1- | 9.44 | |
| 000075-34-3 | TRICHLORO ETHANE, 1,1- | 7 | |
| 000106-93-4 | DICHLORO- ETHANE, 1,2- | 0.33 | |
| 000075-00-3 | DIBROMO ETHANE, | 22.8 | |
| 000075-08-1 | CHLORO ETHANETHIOL | 19.38 | |
| 000067-17-5 | ETHANOL | 1940.42 | |
| 000156-60-5 | ETHENE, 1,2- | 11.49 | |
| 000156-59-2 | DICHLORO ETHENE, 1,2- | 82.32 | |
| 000075-35-4 | DICHLORO- ETHENE,1,1- | 6.86 | |
| 000100-41-4 | DICHLORO ETHYLBENZENE | 350.6 | |
| 000050-00-0 | FORMALDEHYDE | 58638 | |
| 000110-54-3 | HEXANE | 887.09 | |
| 007647-01-0 | HYDROGEN CHLORIDE | 3597.35 | |
| 007783-06-4 | HYDROGEN SULFIDE | 18556 | |
| 000067-63-0 | ISOPROPYL ALCOHOL | 4687 | |
| 007439-97-6 | MERCURY | 0.81 | 4270.4 |
| 000074-82-8 | METHANE | | |
| 000075-43-4 | METHANE, DICHLOROFLUO | 473.4 | |
| 000075-69-4 | RO- CHCL2F METHANE, | 15.79 | |
| 000074-93-1 | TRICHLOROFLU ORO- | | |
| 000074-87-3 | METHANETHIOL | 262.62 | |
| 000078-93-3 | METHYL CHLORIDE | 3.57 | |
| 010024-97-2 | METHYL ETHYL KETONE | 3261.46 | |
| 0NY998-20-0 | NITROUS OXIDE | | 1.6 |
| 0NY210-00-0 | NMOC - LANDFILL USE | | 46.6 |
| 000109-66-0 | ONLY OXIDES OF | | 73.1 |
| | NITROGEN PENTANE | 371.34 | |

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| | | | |
|-------------|---------------------------|--------|------|
| 000127-18-4 | PERCHLOROETH | 88.01 | |
| | YLENE | | |
| 0NY075-00-5 | PM-10 | | 20 |
| 0NY075-02-5 | PM-2.5 | | 20 |
| 000074-98-6 | PROPANE | 756.4 | |
| 000078-87-5 | PROPANE, 1,2- DICHLORO | 8 | |
| 000107-13-1 | PROPENENITRIL E | 496.52 | |
| 000100-42-5 | STYRENE | 42.23 | |
| 007446-09-5 | SULFUR DIOXIDE | 499400 | |
| 000108-88-3 | TOLUENE | 851.32 | |
| 0NY100-00-0 | TOTAL HAP | | 38 |
| 000079-01-6 | TRICHLOROETH YLENE | 22.32 | |
| 000075-01-4 | VINYL CHLORIDE | 34.28 | |
| 0NY998-00-0 | VOC | | 48.2 |
| 001330-20-7 | XYLENE, M, O & P MIXT. | 751.74 | |

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where

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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 2 01-6.7 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 K: 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 L: 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

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Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

- (1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
- (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement. item_02

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

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

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

Regulatory Analysis

| Location | Regulation | Condition | Short Description |
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Facility/EU/EP/Process/ES

| | | | | |
|---------------------|------------------------|----|--|--|
| -- | | | | |
| FACILITY | ECL 19-0301 | 93 | | Powers and Duties of the Department with respect to air pollution control |
| FACILITY | 40CFR 60-A.4 | 36 | | General provisions - Address |
| FACILITY | 40CFR 60-Cf.31f (d) | 37 | | Landfill Closure |
| FACILITY | 40CFR 60-Cf.33f (f) | 38 | | Requirements for Gas Collection and Control System Removal |
| 1-EXMPT/-/EMG/01EMG | 40CFR 60-IIII | 84 | | Standards of Performance for Stationary Compression Ignition Internal Combustion Engines |
| FACILITY | 40CFR 61-M | 39 | | Asbestos standards for: asbestos mills, manufacturing operations using asbestos, and other sources |
| FACILITY | 40CFR 61-M.154 | 40 | | Standard for active waste disposal sites |
| FACILITY | 40CFR 63-A | 41 | | Subpart A - General Provisions apply to all NESHAP affected sources |
| FACILITY | 40CFR 63-AAAA.1958 (a) | 42 | | Operational Standards for Collection and Control Systems |
| FACILITY | 40CFR 63-AAAA.1958 (b) | 43 | | Operational Standards for Collection and Control Systems |
| FACILITY | 40CFR 63-AAAA.1958 (c) | 44 | | Operational Standards for Collection and Control Systems |
| FACILITY | 40CFR 63-AAAA.1958 (d) | 45 | | Operational Standards for Collection and Control Systems |
| FACILITY | 40CFR 63-AAAA.1959 (b) | 46 | | NMOC Calculation Procedures |
| FACILITY | 40CFR 63-AAAA.1959 (c) | 47 | | NMOC Calculation Procedures |
| FACILITY | 40CFR 63-AAAA.1959 (d) | 48 | | NMOC Calculation Procedures |
| FACILITY | 40CFR 63-AAAA.1959 (e) | 49 | | NMOC Calculation Procedures |
| FACILITY | 40CFR 63-AAAA.1960 (a) | 50 | | Compliance Provisions |
| FACILITY | 40CFR 63-AAAA.1960 (b) | 51 | | Compliance Provisions |
| FACILITY | 40CFR 63-AAAA.1960 (c) | 52 | | Compliance Provisions |
| FACILITY | 40CFR 63-AAAA.1960 (d) | 53 | | Compliance Provisions |
| FACILITY | 40CFR 63-AAAA.1960 (e) | 54 | | Compliance Provisions |
| FACILITY | 40CFR 63-AAAA.1961 (a) | 55 | | Monitoring of Operations - Active Gas Collection Systems |
| FACILITY | 40CFR 63-AAAA.1961 (b) | 56 | | Monitoring of Operations - Enclosed Combustors |

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| FACILITY | 40CFR 63-AAAA.1961 (c) | 57 | Monitoring of Operations - Non-Enclosed Combustors |
| FACILITY | 40CFR 63-AAAA.1961 (f) | 58 | Monitoring of Operations - Surface Methane Standard |
| FACILITY | 40CFR 63-AAAA.1961 (g) | 59 | Monitoring of Operations - Landfill Gas Treatment Systems |
| FACILITY | 40CFR 63-AAAA.1962 (a) | 60 | Specifications for Active Collection Systems |
| FACILITY | 40CFR 63-AAAA.1962 (b) | 61 | Specifications for Active Collection Systems |
| FACILITY | 40CFR 63-AAAA.1962 (c) | 62 | Specifications for Active Collection Systems |
| FACILITY | 40CFR 63-AAAA.1981 | 63 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (e) | 64 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (f) | 65 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (g) | 66 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (h) | 67 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (i) | 68 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (j) | 69 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (k) | 70 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (l) | 71 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (m) | 72 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1981 (n) | 73 | Notifications, Records, and Reports |
| FACILITY | 40CFR 63-AAAA.1983 (a) | 74 | Record Keeping Requirements |
| FACILITY | 40CFR 63-AAAA.1983 (b) | 75 | Record Keeping Requirements |
| FACILITY | 40CFR 63-AAAA.1983 (c) | 76 | Record Keeping Requirements |
| FACILITY | 40CFR 63-AAAA.1983 (d) | 77 | Record Keeping Requirements |
| FACILITY | 40CFR 63-AAAA.1983 (e) | 78 | Record Keeping Requirements |
| FACILITY | 40CFR 63-ZZZZ | 79 | Reciprocating Internal Combustion Engine (RICE) NESHAP |
| 1-EXMPT/-/EMG | 40CFR 63-ZZZZ | 83 | Reciprocating Internal Combustion Engine (RICE) NESHAP |
| 1-LFGTE/-/ENG | 40CFR 63-ZZZZ | 88 | Reciprocating Internal Combustion Engine (RICE) NESHAP |
| FACILITY | 40CFR 68 | 17 | Chemical accident prevention provisions |
| FACILITY | 40CFR 82-F | 18 | Protection of Stratospheric Ozone - recycling and emissions reduction |

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| FACILITY | 40CFR 98 | 80 | Mandatory Greenhouse Gas Reporting |
| FACILITY | 6NYCRR 200.6 | 1 | Acceptable ambient air quality. |
| FACILITY | 6NYCRR 200.7 | 9 | Maintenance of equipment. |
| FACILITY | 6NYCRR 201-1.4 | 94 | Unavoidable noncompliance and violations |
| FACILITY | 6NYCRR 201-1.7 | 10 | Recycling and Salvage |
| FACILITY | 6NYCRR 201-1.8 | 11 | Prohibition of reintroduction of collected contaminants to the air |
| FACILITY | 6NYCRR 201-3.2 (a) | 12 | Exempt Activities - Proof of eligibility |
| FACILITY | 6NYCRR 201-3.3 (a) | 13 | Trivial Activities - proof of eligibility |
| FACILITY | 6NYCRR 201-6 | 19, 20, 21, 81, 82 | Title V Permits and the Associated Permit Conditions |
| 1-LFGTE | 6NYCRR 201-6 | 85, 86, 87 | Title V Permits and the Associated Permit Conditions |
| FACILITY | 6NYCRR 201-6.4 (a) (4) | 14 | General Conditions - Requirement to Provide Information |
| FACILITY | 6NYCRR 201-6.4 (a) (7) | 2 | General Conditions - Fees |
| FACILITY | 6NYCRR 201-6.4 (a) (8) | 15 | General Conditions - Right to Inspect |
| FACILITY | 6NYCRR 201-6.4 (c) | 3 | Recordkeeping and Reporting of Compliance Monitoring |
| FACILITY | 6NYCRR 201-6.4 (c) (2) | 4 | Records of Monitoring, Sampling and Measurement |
| FACILITY | 6NYCRR 201-6.4 (c) (3) (ii) | 5 | Reporting Requirements - Deviations and Noncompliance |
| FACILITY | 6NYCRR 201-6.4 (d) (4) | 22 | Compliance Schedules - Progress Reports |
| FACILITY | 6NYCRR 201-6.4 (e) | 6 | Compliance Certification |
| FACILITY | 6NYCRR 201-6.4 (f) | 23 | Operational Flexibility |
| FACILITY | 6NYCRR 201-6.5 (a) | 95, 96, 97, 98, 99 | State Enforceable Requirements |
| FACILITY | 6NYCRR 201-7 | 24 | Federally Enforceable Emissions Caps |
| FACILITY | 6NYCRR 202-1.1 | 16 | Required emissions tests. |
| FACILITY | 6NYCRR 202-2.4 (a) (3) | 27 | Emission statement methods and procedures |
| FACILITY | 6NYCRR 202-2.5 | 7 | Emission Statements - record keeping requirements. |
| FACILITY | 6NYCRR 211.1 | 100, 101 | General Prohibitions - air pollution prohibited |
| FACILITY | 6NYCRR 211.2 | 28 | General Prohibitions - visible emissions |

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| FACILITY | 6NYCRR 212-1.5 (g) | 29 | limited. |
| | | | Maintain all process emission sources, including the associated air pollution control and monitoring equipment |
| FACILITY | 6NYCRR 212-1.6 (a) | 30 | Limiting of Opacity |
| 1-LNDFL/-/FLR | 6NYCRR 212-2.3 (a) | 89, 90, 91, 92 | Federal SIP Criteria air contaminants applicable to Table 3 |
| FACILITY | 6NYCRR 215.2 | 8 | Open Fires - Prohibitions |
| FACILITY | 6NYCRR 225-1.2 (d) | 31 | Sulfur-in-Fuel Limitation - Distillate Oil |
| FACILITY | 6NYCRR 226-1.3 | 32 | General Requirements |
| FACILITY | 6NYCRR 226-1.4 (a) | 33 | Cold cleaning controls (internal volume greater than two gallons) |
| FACILITY | 6NYCRR 227-1.3 (c) | 34 | Annual Tune-up Requirement |
| FACILITY | 6NYCRR 227-1.4 (a) | 35 | Opacity Standard |
| FACILITY | 6NYCRR 253-1.4 | 102 | Greenhouse Gas Reporting Requirements |
| FACILITY | 6NYCRR 253-1.7 | 103 | Record Keeping |
| FACILITY | 6NYCRR 257-5 | 104, 105 | Air Quality Standards - Hydrogen Sulfide |

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.

6 NYCRR 200.6

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

6 NYCRR 200.7

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

6 NYCRR 201-1.4

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

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

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Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

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

6 NYCRR 201-3.3 (a)

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

6 NYCRR Subpart 201-6

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

6 NYCRR 201-6.4 (a) (4)

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

6 NYCRR 201-6.4 (a) (7)

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

6 NYCRR 201-6.4 (a) (8)

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

6 NYCRR 201-6.4 (c)

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

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6 NYCRR 201-6.4 (c) (2)

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

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

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

6 NYCRR 201-6.4 (d) (4)

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

6 NYCRR 201-6.4 (e)

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

6 NYCRR 202-1.1

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

6 NYCRR 202-2.5

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

6 NYCRR 211.2

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

6 NYCRR 215.2

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

40 CFR Part 68

This Part lists the regulated substances and 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

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

40 CFR 60.31f (d)

After the landfill is closed, the owner of the landfill is no longer subject to the requirements of 40 CFR Part 70 if the landfill collection and control system have been in operation for at least 15 years and the calculated NMOC emission rate is less than 34 megagrams per year (50 megagrams per year for the closed landfill subcategory).

40 CFR 60.33f (f)

This citation states the requirements for removal of gas collection and control systems. The NMOC calculation threshold of 34 Megagrams/year in 40 CFR 60.33f(f)(3) is more stringent than the threshold of 50 Megagram/year in 40 CFR Part 63 Subpart AAAA 40 CFR 63.1957(b)(3).

40 CFR 60.4

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

40 CFR 61.154

This condition requires that there be no visible emissions from any active disposal area of the landfill where asbestos containing waste has been placed or that this type of area be covered to prevent disturbance of the asbestos containing waste.

40 CFR 63.1958 (a)

This citation specifies how the owner or operator of a municipal solid waste landfill with a gas collection system shall operate that system.

40 CFR 63.1958 (b)

This citation specifies that landfill gas collections and control systems must be operated at negative pressure at each wellhead except under certain specified conditions.

40 CFR 63.1958 (c)

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This citation describes the operating temperature requirement for each interior wellhead in the landfill gas collection system.

40 CFR 63.1958 (d)

This citation describes the operating procedures for limiting the surface concentration of methane at municipal solid waste landfills using gas collection systems.

40 CFR 63.1959 (b)

This citation requires the owner or operator of a municipal solid waste landfill with a design capacity greater than 2.5 million megagrams and 2.5 million cubic meters to install a landfill gas collection and control system upon meeting the applicable NMOC or methane emission standards.

40 CFR 63.1959 (c)

This citation requires the owner or operator of a municipal solid waste landfill to determine the Non-Methane Organic Compound (NMOC) emission rate for purposes of determining when the collection and control system can be capped, removed, or decommissioned.

40 CFR 63.1959 (d)

This citation describes the appropriate test methods to be used when determining Non-Methane Organic Compound (NMOC) emissions from a municipal solid waste landfills control system.

40 CFR 63.1959 (e)

This citation describes the appropriate test methods and procedures for determining the net heating value of combusted landfill gas in non-enclosed flares.

40 CFR 63.1960 (a)

This citation describes the methods that the owner or operator of a municipal solid waste landfill must use to demonstrate compliance with the landfill gas collection and control system requirements of Subpart AAAAA.

40 CFR 63.1960 (b)

This section describes the required frequency at which landfill gas collection wells or design components must be installed after solid waste has been placed in the landfill.

40 CFR 63.1960 (c)

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This section describes the monitoring methods to be used demonstrating compliance with the surface methane operational standard.

40 CFR 63.1960 (d)

This section describes the instrumentation specifications and procedures for surface monitoring devices used to demonstrate compliance with the requirements of Subpart AAAAA.

40 CFR 63.1960 (e)

This citation states that the provisions of Subpart AAAAA, apply at all times, including periods of start-up, shutdown, and malfunction.

40 CFR 63.1961 (a)

This citation describes the monitoring procedures for municipal solid waste landfills that are equipped with active gas collection systems.

40 CFR 63.1961 (b)

This citation describes the monitoring procedures for municipal solid waste landfills that are equipped with an enclosed combustor for controlling landfill gas emissions.

40 CFR 63.1961 (c)

This citation describes the monitoring procedures for municipal solid waste landfills equipped with a non-enclosed flare to control landfill gas emissions.

40 CFR 63.1961 (f)

This citation describes the monitoring procedures for municipal solid waste landfills demonstrating compliance with the surface methane concentration standard to meet the requirements of 40 CFR Part 63, Subpart AAAAA.

40 CFR 63.1961 (g)

This citation describes the monitoring procedures for municipal solid waste landfills that are equipped with landfill gas treatment systems.

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40 CFR 63.1962 (a)

This section describes the siting and design requirements for active gas collection wells at municipal solid waste landfills that are subject to the requirements of Subpart AAAA.

40 CFR 63.1962 (b)

This section describes the required design and construction of active landfill gas collections systems at municipal solid waste landfills subject to the requirements of Subpart AAAA.

40 CFR 63.1962 (c)

This section describes the design and construction requirements for landfill gas conveyance systems at municipal solid waste landfills subject to the requirements of Subpart AAAA.

40 CFR 63.1981

This section describes the reports that are required to be submitted by the owner or operator of a municipal solid waste landfill that are subject the requirements of Subpart AAAA.

40 CFR 63.1981 (e)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit a revised design plan in certain situations.

40 CFR 63.1981 (f)

The owner or operator of a controlled landfill must submit an equipment removal report to the DEC 30 days prior to removal or cessation of operation of the control equipment.

40 CFR 63.1981 (g)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit an equipment removal report to the DEC 30 days prior to the removal or cessation of operation of any control equipment.

40 CFR 63.1981 (h)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, using an active collection system to submit semi-annual reports.

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40 CFR 63.1981 (i)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit additional information as part of the initial performance test report.

40 CFR 63.1981 (j)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit certain information regarding corrective actions to DEC.

40 CFR 63.1981 (k)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit a report to DEC when the wellhead temperature is \geq to 170 degrees Fahrenheit.

40 CFR 63.1981 (l)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to submit electronic reports to the USEPA.

40 CFR 63.1981 (m)

This section specifies for the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, the requirements for submitting electronic reports to the USEPA due to a claim of an EPA system outage.

40 CFR 63.1981 (n)

This section specifies for the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, the requirements for submitting electronic reports to the USEPA due to a claim of force majeure.

40 CFR 63.1983 (a)

This section requires the owner or operator of a municipal solid waste landfill subject to the requirements of Subpart AAAA, to maintain various records at the facility.

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40 CFR 63.1983 (b)

This section describes the various records that must be kept by the owner or operator of a municipal solid waste landfill that is subject to the requirements of Subpart AAAA.

40 CFR 63.1983 (c)

This section describes the recordkeeping requirements for equipment operating parameters at municipal solid waste landfills that are subject to the requirements of Subpart AAAA.

40 CFR 63.1983 (d)

This section describes the recordkeeping requirements for plot maps showing the location of all existing and planned landfill gas collectors at municipal solid waste landfills subject to the requirements of Subpart AAAA.

40 CFR 63.1983 (e)

This section describes the record keeping requirements for collection and control system exceedances that occur at municipal solid waste landfills subject to the requirements of 40 CFR Part 63, Subpart AAAA.

40 CFR Part 60, Subpart IIII

Subpart IIII applies to new and reconstructed compression ignition reciprocating internal combustion engines. Sources subject to Subpart IIII must comply with emission standards for hydrocarbons, nitrogen oxides, carbon monoxide, and particulate matter.

40 CFR Part 61, Subpart M

This is the National Emission Standard for Asbestos and it includes provisions for handling and disposing of asbestos.

40 CFR Part 63, Subpart A

The General Provisions in 40 CFR Part 63, Subpart A apply to facilities subject to other National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAP) regulations in 40 CFR Part 63. These rules are also known as MACT rules since they are based on attaining Maximum Achievable Control Technology. Each MACT rule has a table or section that describe which portions of the General Provisions apply to facilities covered by that particular rule and which portions are overridden or do not apply. Note that NESHAP regulations found in 40 CFR Part 61 do not trigger the general provisions of 40 CFR Part 63.

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40 CFR Part 63, Subpart ZZZZ

Subpart ZZZZ applies to reciprocating internal combustion engines. Sources subject to Subpart ZZZZ must limit emissions of carbon monoxide and formaldehyde. Sources must also comply with work practice standards and operating limits.

40 CFR Part 98

40 CFR Part 98 sets forth the reporting requirements for facilities that are subject to the mandatory reporting of greenhouse gases.

6 NYCRR 201-6.4 (f)

This section describes the potential for certain operational changes to be made by the facility owner or operator without first obtaining a permit modification. Changes made pursuant to this provision must meet all of the criteria described in this section to qualify for consideration as operational flexibility. The Department reserves the right to require the facility owner or operator to obtain a permit modification prior to making any changes at the facility pursuant to this section.

6 NYCRR 201-6.5 (a)

This subdivision states that the Department shall include state enforceable conditions in Title V permits. State enforceable conditions related to regulations developed pursuant to the Climate Leadership and Community Protection Act (CLCPA) and Article 75 of New York State Environmental Conservation Law may be included in future versions of this permit, as applicable. These conditions require more stringent gas collection system installation and methane monitoring than 40 CFR Part 63 Subpart AAAA.

6 NYCRR 202-2.4 (a) (3)

Once a facility is required to submit annual emission statements electronically, emission statements must be submitted to the department per the specified schedule, in this regulation beginning the reporting year that a Title V permit containing a condition mandating electronic submittal is issued.

6 NYCRR 211.1

This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 212-1.5 (g)

This provision requires the facility owner or operator to operate and maintain all process emission

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sources, including the associated air pollution control and monitoring equipment, in a manner consistent with safety, good air pollution control practices, good engineering practices and manufacturers' recommendations for minimizing emissions.

6 NYCRR 212-1.6 (a)

This provision requires that the facility owner or operator not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water. This is applicable to the flare emission sources.

6 NYCRR 212-2.3 (a)

Table 3 of 212-2.3 describes the reduction in emissions required for a criteria air contaminant based on its uncontrolled emission rate. The uncontrolled emission rate in conjunction with the assigned environmental rating determines the degree of control applied. The air cleaning required for sulfur dioxide is met by removing the sulfur from landfill gas prior to flaring. Monitoring requirements for SUL01 are included to ensure proper operation of the landfill gas treatment system.

6 NYCRR 225-1.2 (d)

This subdivision sets the sulfur-in-fuel limitation for distillate oil fired emission sources throughout the State.

6 NYCRR 226-1.3

This section lists the general requirements for owners or operators conducting solvent cleaning processes.

6 NYCRR 226-1.4 (a)

This section describes the equipment specifications and control requirements for cold cleaners.

6 NYCRR 227-1.3 (c)

This subdivision requires that all stationary combustion installations subject to this subpart perform an annual tune-up.

6 NYCRR 227-1.4 (a)

This subdivisions sets the opacity standard for subject stationary combustion installations.

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6 NYCRR 253-1.4

This Section requires facilities to submit greenhouse gas emissions data reports electronically, to the Department, on an annual basis. The reports are due June 1st of each year the source(s) is/are applicable to the regulation.

6 NYCRR 253-1.7

This Section requires the type and duration of records that the facility must maintain.

6 NYCRR Subpart 201-7

This regulation sets forth an emission cap that cannot be exceeded by the facility. In this permit the capped contaminants are sulfur dioxide (499,400 lbs/yr) and carbon monoxide (490,000 lbs/yr), which are restricted to avoid requirements of 6 NYCRR Subpart 231-7. These emissions are primarily derived from the combustion of landfill gas in various devices.

6 NYCRR Subpart 257-5

Hydrogen sulfide (H₂S) is a colorless gas having a characteristic, disagreeable odor often described as that of rotten eggs. For the purpose of this Subpart the term hydrogen sulfide will include hydrogen sulfide and other sulfides as measured by the acceptable analytical method. Based on air dispersion modeling conducted by the facility, the NYS Ambient Air Quality Standard for H₂S of 0.010 ppm (14 ug/m³) will not be exceeded if the Facility H₂S emission rate remains below 1.97 lbs/hr. Monitoring of reduced sulfur concentration and landfill gas generation is required to ensure this emission rate is not exceeded.

Compliance Certification

Summary of monitoring activities at HYLAND LANDFILL:

| Location Facility/EU/EP/Process/ES | Cond No. | Type of Monitoring |
|---|-----------------|---|
| 1-EXMPT/-/EMG/01EMG | 84 | record keeping/maintenance procedures |
| FACILITY | 39 | record keeping/maintenance procedures |
| FACILITY | 42 | record keeping/maintenance procedures |
| FACILITY | 43 | work practice involving specific operations |
| FACILITY | 44 | work practice involving specific operations |
| FACILITY | 45 | ambient air monitoring |
| FACILITY | 46 | record keeping/maintenance procedures |
| FACILITY | 47 | record keeping/maintenance procedures |
| FACILITY | 48 | record keeping/maintenance procedures |
| FACILITY | 49 | record keeping/maintenance procedures |
| FACILITY | 52 | record keeping/maintenance procedures |
| FACILITY | 53 | record keeping/maintenance procedures |

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| | | |
|---------------|-----|--|
| FACILITY | 55 | record keeping/maintenance procedures |
| FACILITY | 56 | record keeping/maintenance procedures |
| FACILITY | 57 | record keeping/maintenance procedures |
| FACILITY | 58 | ambient air monitoring |
| FACILITY | 59 | record keeping/maintenance procedures |
| FACILITY | 60 | record keeping/maintenance procedures |
| FACILITY | 61 | record keeping/maintenance procedures |
| FACILITY | 62 | record keeping/maintenance procedures |
| FACILITY | 74 | record keeping/maintenance procedures |
| FACILITY | 75 | record keeping/maintenance procedures |
| FACILITY | 76 | record keeping/maintenance procedures |
| FACILITY | 77 | record keeping/maintenance procedures |
| FACILITY | 78 | record keeping/maintenance procedures |
| 1-EXMPT/-/EMG | 83 | record keeping/maintenance procedures |
| 1-LFGTE/-/ENG | 88 | record keeping/maintenance procedures |
| FACILITY | 20 | monitoring of process or control device parameters as surrogate |
| FACILITY | 21 | monitoring of process or control device parameters as surrogate |
| 1-LFGTE | 85 | record keeping/maintenance procedures |
| 1-LFGTE | 86 | intermittent emission testing |
| 1-LFGTE | 87 | intermittent emission testing |
| FACILITY | 4 | record keeping/maintenance procedures |
| FACILITY | 5 | record keeping/maintenance procedures |
| FACILITY | 6 | record keeping/maintenance procedures |
| FACILITY | 95 | work practice involving specific operations |
| FACILITY | 96 | record keeping/maintenance procedures |
| FACILITY | 97 | record keeping/maintenance procedures |
| FACILITY | 98 | record keeping/maintenance procedures |
| FACILITY | 99 | ambient air monitoring |
| FACILITY | 25 | monitoring of process or control device parameters as surrogate |
| FACILITY | 26 | monitoring of process or control device parameters as surrogate |
| FACILITY | 101 | record keeping/maintenance procedures |
| FACILITY | 30 | record keeping/maintenance procedures |
| 1-LNDFL/-/FLR | 89 | record keeping/maintenance procedures |
| 1-LNDFL/-/FLR | 90 | record keeping/maintenance procedures |
| 1-LNDFL/-/FLR | 91 | record keeping/maintenance procedures |
| 1-LNDFL/-/FLR | 92 | monitoring of process or control device parameters as surrogate |
| FACILITY | 31 | work practice involving specific operations |
| FACILITY | 32 | record keeping/maintenance procedures |
| FACILITY | 33 | monitoring of process or control device parameters as surrogate |
| FACILITY | 34 | record keeping/maintenance procedures |
| FACILITY | 35 | monitoring of process or control device parameters as surrogate |
| FACILITY | 102 | record keeping/maintenance procedures |
| FACILITY | 103 | record keeping/maintenance procedures |
| FACILITY | 104 | monitoring of process or control device parameters as surrogate |
| FACILITY | 105 | monitoring of process or control device parameters as surrogate |

Basis for Monitoring

The actual annual waste acceptance rate is monitored because waste acceptance rate is an input to LandGEM to generate landfill gas emission estimates. The caps included in the permit to avoid Prevention of Significant Deterioration (PSD) depend on the LandGEM gas generation estimates. Hydrogen sulfide (H2S) emission rates, primarily from fugitive landfill gas releases, are also derived from LandGEM

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estimates.

The engine emission testing requirements for oxides of nitrogen (NO_x) and carbon monoxide (CO) demonstrate that the facility is not subject to Prevention of Significant Deterioration rules (40 CFR Part 52) and, for NO_x, the NO_x RACT rules in 6 NYCRR 227-2. These requirements will remain until the engines are decommissioned and removed from the site.

Annual cap records for CO and sulfur dioxide (SO₂) ensure the facility remains under the PSD thresholds. SO₂ emissions are also monitored to determine when a landfill gas treatment system SUL01 will be required to ensure the air cleaning requirements in 6 NYCRR Part 212 are met. This LFG treatment system is also expected to keep SO₂ emissions well below the cap.

Monitoring requirements required in 40 CFR Part 63 Subpart AAAA have been incorporated into the permit.

Enhanced monitoring of methane includes unmanned aerial surveys or other advanced technology, installation of gas collection wells sooner than required by 40 CFR Part 63 Subpart AAAA, more frequent wellhead parameter monitoring, and a more stringent surface emission monitoring corrective action threshold of 350 ppm methane instead of 500 ppm required by 40 CFR Part 63 Subpart AAAA. Installation of flaring capacity ahead of gas generation exceeding existing capacity will ensure the requirements of 63.1959(b)(2)(iii) are met in the event of RNG plant or LFGTE engine plant shutdown, and to ensure emissions of methane are controlled. These measures are required for the CLCPA.

Dust control requirements in the facility Dust Control Manual are required to ensure nuisance conditions are not created.

Sampling landfill gas for reduced sulfur or H₂S, using these values to calculate emissions, and any updates to the facility manual for waste inspections will ensure the NYSAAQS for H₂S is not exceeded. These reduced sulfur values are also incorporated into requirements to control sulfur dioxide emissions using a landfill gas treatment system SUL01 prior to flaring LFG. Additional parameters must be documented in the facility manual and monitored per manufacturer recommendations to ensure proper SUL01 treatment system operation.

Compliance Assurance Monitoring (CAM) requirements do not apply to the facility because of the exemption in 40 CFR 64.2(b)(1), as the facility is regulated by 40 CFR Part 63 Subpart AAAA.