



**Facility Identification Data**

Name: INNOVATIVE DANC  
Address: 23400 ST RTE 177  
RODMAN, NY 13682

**Owner/Firm**

Name: INNOVATIVE/DANC LLC  
Address: 2999 JUDGE RD  
OAKFIELD, NY 14125, 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**

Based on data that has been obtained from the operation of identical landfill gas (LFG) fueled internal combustion (IC) engine electricity generator sets and estimates on the amount of LFG generated by the Development Authority of the North Country (DANC) solid waste management facility (i.e. available amounts of IC engine fuel), Innovative Energy Systems (IES) requests that Title V permit 6-2252-00018/00001 be modified to: (1) Incorporate appropriate regulated air pollutant emission rate limitations that can be maintained and achieved over all fuel quality and engine wear/maintenance operating conditions; and (2) Reduce the number of permitted IC engine - generator sets from



four (4) to three (3) since the DANC solid waste management facility does not currently (nor will in the next three to four year period) generate sufficient amounts of fuel to support the operation of the fourth IC engine - generator set permitted in the original IES Title V permit. Plans for the installation of a fourth IC engine - generator set will be periodically evaluated. If the operation of a fourth IC engine - generator set is determined to be feasible, appropriate air permit application documents and analyses will be prepared for review and approval by the NYSDEC that allow for the installation of this equipment. The potential regulated air pollutant emissions of the proposed modification are less than the federal Prevention of Significant Deterioration permitting program (40 CFR 52.21) major facility applicability threshold. The potential regulated air pollutant emissions of the proposed modification are less than the state Non-attainment New Source Review permitting program (6 NYCRR Part 231-2) major facility applicability threshold.

### Attainment Status

INNOVATIVE DANC is located in the town of RODMAN in the county of JEFFERSON. 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 < 10 $\mu$ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO <sub>2</sub> )	ATTAINMENT
Ozone*	MARGINAL NON-ATTAINMENT
Oxides of Nitrogen (NO <sub>x</sub> )**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

\* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NO<sub>x</sub>) which are ozone precursors.

\*\* NO<sub>x</sub> has a separate ambient air quality standard in addition to being an ozone precursor

### Facility Description

Innovative Energy Systems, Inc. (IES) proposes to modify the operations of its electricity generation facility, which will result in the beneficial use of landfill gas (LFG) that will be generated by the Development Authority of the North Country (DANC) solid waste management facility in Rodman, Jefferson County, New York. The electricity generated by IES will be sold on the open market to contract purchasers. The combustion of LFG fuel in the specified internal combustion (IC) engines has the potential to emit into the ambient environment nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), volatile organic compounds (VOC), sulfur oxides (SO<sub>x</sub>), particulate matter less than 10 microns in diameter (PM-10), non-methane organic compounds (NMOC), and hazardous air pollutants (HAP) which are defined as regulated air pollutants by the State of New York and Environmental Protection Agency. The proposed electricity generation facility will consist of: (1). LFG treatment equipment (proprietary gas dewatering, filtration and compression equipment and processes); (2). Three (3) lean-burn IC engines connected to individual electricity generators; and (3). Ancillary equipment that will support the electricity generation operations. Each of the IC engines will be equipped with a stand-alone fan-cooled radiator. 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 generating facility. The new and waste engine radiator coolant storage tanks will each have capacities of 1000 gallons. 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 generating facility. The new lube oil storage tank will have a capacity of 8000 gallons. The waste oil storage tank will have a capacity of 2000 gallons. A 100 kilowatt (kw) IC engine generator will be installed and operated to supply the facility with limited temporary power when utility outages occur. The emergency generator will be powered with diesel fuel that is supplied from a 200 gallon above ground storage tank.

### Permit Structure and Description of Operations

The Title V permit for INNOVATIVE DANC

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.

INNOVATIVE DANC is defined by the following emission unit(s):

Emission unit 1DLFGE - This emission unit will include four (4) Caterpillar G3520 engines. The engines will combust landfill gas generated by the Development of the North Country Municipal Solid Waste Landfill.

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

ENG01, ENG02, ENG03

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

Process: 001 is located at MAIN FLOOR, Building ENGBLDG - Process 001 consists of three (3) Caterpillar G3520C landfill gas fired internal combustion (IC) engine generator sets. The three (3) IC engines have individual maximum heat input rates of 14.67 MMBtu/hr, lower heating value (LHV) (43.92 MMBtu/hr combined). At the minimum fuel quality utilization value of 420 Btu/cubic foot, LHV, the maximum fuel use rate of each IC engine is approximately 580 cubic feet per minute.

### Title V/Major Source Status

INNOVATIVE DANC is subject to Title V requirements. This determination is based on the following information:

This facility is major because it has potential emissions of carbon monoxide (CO) equal to 194 tons/yr which



exceeds the major source threshold for carbon monoxide of 100 tons/yr.

**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

**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 or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000079-34-5	1, 1, 2, 2-TETRACHLOROETHANE	> 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



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000075-15-0	CARBON DISULFIDE		> 0 but < 10 tpy
000630-08-0	CARBON MONOXIDE	388156	
000056-23-5	CARBON TETRACHLORIDE		> 0 but < 10 tpy
000463-58-1	CARBONYL SULFIDE		> 0 but < 10 tpy
000108-90-7	CHLOROBENZENE		> 0 but < 10 tpy
000067-66-3	CHLOROFORM		> 0 but < 10 tpy
000075-09-2	DICHLOROMETHANE		> 0 but < 10 tpy
000071-55-6	ETHANE, 1,1,1-TRICHLORO		> 0 but < 10 tpy
000106-93-4	ETHANE, 1,2-DIBROMO		> 0 but < 10 tpy
000075-00-3	ETHANE, CHLORO		> 0 but < 10 tpy
000075-35-4	ETHENE, 1,1-DICHLORO		> 0 but < 10 tpy
000100-41-4	ETHYLBENZENE		> 0 but < 10 tpy
0NY100-00-0	HAP		>= 2.5 tpy but < 10 tpy
000110-54-3	HEXANE		> 0 but < 10 tpy
007647-01-0	HYDROGEN CHLORIDE		> 0 but < 10 tpy
007439-97-6	MERCURY		> 0 but < 10 tpy
000074-87-3	METHYL CHLORIDE		> 0 but < 10 tpy
000078-93-3	METHYL ETHYL KETONE		> 0 but < 10 tpy
0NY998-20-0	NMOC - LANDFILL USE ONLY		>= 2.5 tpy but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN	77526	
0NY075-00-0	PARTICULATES		>= 10 tpy but < 25 tpy
000127-18-4	PERCHLOROETHYLENE		> 0 but < 10 tpy
0NY075-00-5	PM-10	31010	
000078-87-5	PROPANE, 1,2-DICHLORO		> 0 but < 10 tpy
000107-13-1	PROPENENITRILE		> 0 but < 10 tpy
007446-09-5	SULFUR DIOXIDE		>= 10 tpy but < 25 tpy
000079-01-6	TRICHLOROETHYLENE		> 0 but < 10 tpy
000075-01-4	VINYL CHLORIDE		> 0 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

### 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



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permit renewal purposes.

- Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d) (12)**  
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a) (2)**  
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a) (3)**  
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The 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;



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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 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 Short Description Facility/EU/EP/Process/ES	Regulation	Condition
FACILITY Powers and Duties of the		Department with respect to air pollution control
FACILITY 40CFR 52-A.21 Prevention of Significant		Deterioration
1-DLFGE Treatment Systems 40CFR 60-WWW.752(b)(2)(ii)		Processing Landfill Gas for Subsequent Sale or Use.
FACILITY 40CFR 68 Chemical accident		prevention provisions
FACILITY 40CFR 82-F Protection of		Stratospheric Ozone - recycling and emissions reduction
FACILITY 6NYCRR 200.6 Acceptable ambient air		quality.
FACILITY 6NYCRR 200.7		
FACILITY 6NYCRR 201-1.4 Unavoidable noncompliance		and violations
FACILITY 6NYCRR 201-1.7		
FACILITY 6NYCRR 201-1.8 Prohibition of		reintroduction of collected contaminants to the air
FACILITY 6NYCRR 201-3.2(a) Exempt Activities - Proof		of eligibility
FACILITY 6NYCRR 201-3.3(a) Trivial Activities -		



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FACILITY	6NYCRR 201-6	proof of eligibility
	Title V Permits and the	
FACILITY	6NYCRR 201-6.5 (a) (4)	Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (a) (7)	
FACILITY	6NYCRR 201-6.5 (a) (8)	
FACILITY	6NYCRR 201-6.5 (c)	
	Permit conditions for	
FACILITY	6NYCRR 201-6.5 (c) (2)	Recordkeeping and Reporting of Compliance Monitoring
	Permit conditions for	
FACILITY	6NYCRR 201-6.5 (c) (3) (ii)	Recordkeeping and Reporting of Compliance Monitoring
	Permit conditions for	
FACILITY	6NYCRR 201-6.5 (d) (5)	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (e)	
FACILITY	6NYCRR 201-6.5 (f) (6)	
FACILITY	6NYCRR 202-1.1	
FACILITY	6NYCRR 202-2.1	
	Emission Statements -	
FACILITY	6NYCRR 202-2.5	Applicability
	Emission Statements -	
FACILITY	6NYCRR 211.2	record keeping requirements.
	General Prohibitions -	
FACILITY	6NYCRR 211.3	air pollution prohibited.
	General Prohibitions -	
FACILITY	6NYCRR 215	visible emissions limited
FACILITY	6NYCRR 227-1.3 (a)	
	Smoke Emission	
FACILITY	6NYCRR 231-2.2	Limitations.



**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, INNOVATIVE DANC has been determined to be subject to the following regulations:

40CFR 52-A.21

This citation applies to facilities that are subject to Prevention of Significant Deterioration provisions; ie: facilities that are located in an attainment area and that emit pollutants which are listed in 40 CFR 52.21(b)(23)(i) .

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

This rule citation outlines what requirements apply to the owner/operator of a landfill gas treatment system and landfill gas combustion devices if the the owner/operator is a party other than the owner/operator of the landfill.

6NYCRR 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 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 231-2.2

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern in Region 6 are nitrogen oxides (NOx) and volatile organic compounds (VOC) since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the Region (Jefferson County).

The purpose of Section 231-2.2 is to define what new or modified facilities are subject to the requirements set forth in the other sections of the rule. In addition, certain exemptions to the rule are also defined in this section.

**Compliance Certification**

Summary of monitoring activities at INNOVATIVE DANC:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
FACILITY	1-7	record keeping/maintenance procedures
FACILITY	1-8	monitoring of process or control device parameters as surrogate
FACILITY	1-9	intermittent emission testing
FACILITY	18	record keeping/maintenance procedures
FACILITY	19	record keeping/maintenance procedures
FACILITY	20	record keeping/maintenance procedures
FACILITY	1-2	record keeping/maintenance procedures
FACILITY	1-3	monitoring of process or control device parameters as surrogate
FACILITY	1-4	monitoring of process or control device parameters as surrogate
FACILITY	1-5	intermittent emission testing
FACILITY	1-6	record keeping/maintenance procedures

**Basis for Monitoring**

1) 6 NYCRR Part 201-6.5(c)(3)(ii): This facility is a major source as defined in 6 NYCRR Part 201-2. Any facility that receives a Title V permit is required to make a semi-annual monitoring report.

2) 6 NYCRR Part 201-6.5(e): This facility is a major source as defined in 6 NYCRR Part 201-2. Any facility that receives a Title V permit is required to submit an annual compliance certification.

3) 6 NYCRR Part 231-2.2: This facility is accepting Nitrogen Oxides (NO<sub>x</sub>) emission limits such that it will be a minor source of NO<sub>x</sub> and is not required to meet the provisions of Non-Attainment New Source Review contained in 6 NYCRR Part 231-2 or the NO<sub>x</sub> RACT requirements of 6 NYCRR Part 227-2. However, the permitted NO<sub>x</sub> emission limit of 0.60 grams NO<sub>x</sub> per brake horsepower hour is more stringent than the NO<sub>x</sub> RACT limit of 2.0 grams NO<sub>x</sub> per brake horsepower hour required by Part 227-2.4(f)(2)(iii)(b).

4) 40 CFR Part 52.21: This facility is also accepting Carbon Monoxide (CO) emission limits such that it will be a minor source of CO for the purposes of federal Prevention of Significant Deterioration, codified at 40 CFR 52.21.

In order to demonstrate compliance with the NO<sub>x</sub> and CO emission limits contained in the permit the facility must perform an initial emissions test and perform subsequent emission tests once during each permit term. The facility will also monitor and record NO<sub>x</sub> and CO concentrations from all three engines with handheld gas measuring devices on a monthly basis.

5) 6 NYCRR Part 202-2.1: Any facility issued a Title V permit must submit an annual emission statement by April 15th every year.

6) 6 NYCRR Part 227-1.3(a): Emission unit 1-DLFG, emission sources 01ENG, 02ENG, & 03ENG meet the definition of stationary combustion installation in 6 NYCRR Part 227-1. All sources required to comply with that



rule must meet the opacity limit contained in the rule.