



2999 Judge Road
Oakfield, NY 14125-9771
Phone: (585) 948-8580 FAX: (585) 948-8584

Notification of Change – Generator Unit Capacity

August 29, 2013

Rhode Island Public Utilities Commission
89 Jefferson Blvd.
Warwick, RI 02888
Attn: Luly Massaro, Renewable Energy Standard (RES) Program

Subject: DANC LFGE, Docket No. 3785

To Whom It May Concern:

Please accept this notification of increase in capacity, effective immediately.

At the time the original application was prepared and submitted to the RIPUC, three (3) CAT® G3520C IC engine - generator sets were in operation for a total gross nameplate capacity of 4.8 MW.

Innovative Energy Systems applied for and received a Title V air permit modification to install an additional CAT® G3520C IC engine - generator set fueled with landfill gas on November 16, 2011. This engine was subsequently installed and began commercial operation on April 9, 2012 for a total gross nameplate capacity of 6.4 MW. Enclosed please find NYISO screenshot evidencing the demonstrated nameplate capacity and the current Title V Air Permit issued by the New York State Department of Environmental Conservation for the installation and operation of all four engine-generator sets. We respectfully request that the PUC accept / approve the nameplate capacity increase.

Please direct all inquiries and correspondence to Innovative Energy Systems, LLC the operator of DANC LFGE Unit.

Emily Zambuto
Innovative Energy Systems, LLC
2999 Judge Road
Oakfield, NY 14125
(585) 948-8580
ezambuto@ieslfge.com

Sincerely,
Innovative Energy Systems, LLC

A handwritten signature in black ink, appearing to read 'EZambuto', is written over a horizontal line.

Emily Zambuto
Manager of Environmental Programs

Attachment 1 Service List

Name/Address	E-mail Service List
Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	res@puc.state.ri.us
Scott Albert, Principal & Northeast Region Manager GDS Associates, Inc. 1155 Elm Street, Suite 702 Manchester, NH 03101	
James Webb, GIS Administrator APX - Our Knowledge is Power	GIS@apx.com
Thomas R. Teehan, Esq. National Grid	Thomas.teehan@us.ngrid.com
	Joanne.scanlon@us.ngrid.com
Jon Hagopian, Division of Public Utilities & Carriers	jhagopian@ripuc.state.ri.us
Dennis Duffy, VP of Regulatory Affairs Cape Wind Associates LLC	dduffy@emienergy.com
M. Haggerty, Ridgewood Power	mhaggerty@ridgewoodpower.com
	dgulino@ridgewoodpower.com
Christopher T. Burnett, President SpinBlade Energy LLC	cburnett@spinbladeenergy.com
Hallie Flint Gilman, Associate General Counsel First Wind	regulatory@firstwind.com
Gerald M. Eaton, Public Service Co. of New Hampshire	eatongm@nu.com
Alan M. Shoer, Esq., Adler Pollock & Sheehan, P.C.	Ashoer@apslaw.com
Karina Lutz, Director of Development and Advocacy People's Power & Light LLC	karina@ripower.org
	estephens@noreastgroup.com
Stephan Wollenburg, Energy Consumers Alliance of NE	stephan@massenergy.org
Patricia D. Stanton, Conservation Services Group	Pat.Stanton@csgroup.com
George Wood, Oak Point Energy Associates	george4wood@verizon.net
John Morrow, Amerex Renewables	jmorrow@amerexenergy.com
Stephen Hickey, Essex Hydro	sjh@essexhydro.com
Gary Gump – Portsmouth EDC Sustainable Energy subcommittee	Ggump1@verizon.net
Kimberley A. Barry, PPL Energy Plus LLC Owen Klicker, PPL EnergyPlus, LLC	kabarry@pplweb.com
	baveety@pplweb.com
	ojklicker@pplweb.com
Supria Ranade, Evolution Markets	srnade@evomarkets.com
Kate Bogart, Mass Energy/People's Power & Light	Kate@massenergy.org
Joseph Seymour, Renewable Energy Markets Association	JSEYMOUR@ttcorp.com
John R Tigue III, Mgr., Electric Supply, NYSEG/RG&E	jrtigue@nyseg.com

Attachment 2 NYISO Screen Shot

DANC LFGE
GenPTID 323619

https://marketplace2.nyiso.com/GeneratorAdmin.do Certificate error NYISO - Bidding & Schedul... X

EES Energy Scheduling Energy Trading System (E... ISO NE Login ISO-NE Forward Capacity ... NEPOOL GIS NYISO SMD Applications Home ...

ISO NEW YORK INDEPENDENT SYSTEM OPERATOR
Building The Energy Markets Of Tomorrow...Today

Welcome To The Bidding & Scheduling System

Logout

Company Newsroom Products Market Data Services Documents Committees

[Administrator Details](#) - [Change Password](#) - [Confirm Transaction Bids](#) - [Generator Commitment Parameters](#) - [Generator Details](#) - [Generator OOM](#) - [LSE Details](#) - [Load Bus Details](#) - [Log Out](#) - [New Generator Bid](#) - [New Transaction](#) - [Organization Details](#) - [Review Generator Bids](#) - [Review Generator Forecasted Schedules](#) - [Review Transaction Bids](#) - [Review Transaction Contracts](#) - [Trading Hub Summary](#) - [User Details](#) -

Page Ref: G

Generator Details

Generator PTID: EDC Area: Generator Name: DANC__LFGE

Generator Name	Gen PTID	Generator Type	Active Flag
DANC__LFGE	323619	NON-UTILITY GENERATOR	Y

Contact Information

Primary Contact: Scott Henningham Secondary Contact:

Primary Contact Phone: 585-948-8580 Secondary Contact Phone: 585-590-0296

Fax: 585-948-8584 Address:

Email: shenningham@ieslfge.com

Manager:

Usage Scheduling Email: ezambuto@ieslfge.com

Generator Limits

Summer Operating Capacity	Winter Operating Capacity	Summer Contract Capacity	Winter Contract Capacity	Bid Floor Price	Start Date	End Date
6.4	6.4	6.4	6.1	0.00	07/01/2013 00:00:00	
6.4	6.4	4.8	6.1	0.00	05/01/2013 00:00:00	06/30/2013 23:59:59
6.4	6.4	6.1	6.1	0.00	02/01/2013 00:00:00	04/30/2013 23:59:59
6.4	6.4	0.0	5.5	0.00	11/01/2012 00:00:00	01/31/2013 23:59:59
6.4	6.4	0.0	2.8	0.00	10/29/2012 00:00:00	10/31/2012 23:59:59

Desktop 9:49 AM

Attachment 3 Title V Air Permit Issued by the New York State Department of
Environmental Conservation



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 6-2252-00018/00001
Mod 0 Effective Date: 08/16/2011 Expiration Date: 08/15/2016
Mod 1 Effective Date: 11/16/2011 Expiration Date: 08/15/2016

Permit Issued To: INNOVATIVE/DANC LLC
2999 JUDGE RD
OAKFIELD, NY 14125

Contact: PETER H ZELIFF
INNOVATIVE ENERGY SYSTEMS LLC
2999 JUDGE RD
OAKFIELD, NY 14125-9771
(585) 948-8580

Facility: INNOVATIVE DANC
23400 ST RTE 177
RODMAN, NY 13682

Contact: PETER H ZELIFF
INNOVATIVE ENERGY SYSTEMS LLC
2999 JUDGE RD
OAKFIELD, NY 14125-9771
(585) 948-8580

Description:

This Title V renewal application for the Innovative/DANC LLC plant permit also contains a modification to include emissions from the Innovative/DANC LLC landfill gas to energy (LFGTE) project for regulatory applicability review as a single facility with the DANC SWMF (DEC Facility ID: 6-2252-00007). The Innovative/DANC LLC plant and DANC SWMF propose to maintain separate Title V permits. A single facility is allowed to maintain multiple permits under 6 NYCRR Part 201-6.

Innovative/DANC LLC is proposing a modification to the existing permitted project consisting of three (3) existing (and permitted) and two (2) future (for a total of five (5) permitted Caterpillar G3520C) landfill gas engine generator sets to add a proposed enclosed flare thermal oxidizer. Potential to emit (PTE) emissions from this modified project also include emissions from one (1) enclosed flare thermal oxidizer (emission source F0011) utilized to control the off-gases from the siloxane removal system regeneration cycle, and a 1,100 scfm candlestick flare (emission source: F0010) to combust excess landfill gas that the engines cannot utilize. This flare was previously permitted on the DANC SWMF Title V permit # 6-2252-00007/00015, but a recent modification removed the flare from the DANC SWMF permit and added it to the Innovative/DANC LLC permit. The 3,000 cfm open candlestick flare at the DANC SWMF (Permit # 6-2252-00007/00015, emission source: F0999) will be utilized as a backup landfill gas combustion device when the landfill gas engines at Innovative/DANC



LLC are not able to handle the entire amount of collected landfill gas.

Emissions of carbon monoxide from the Innovative DANC LFGTE project will be capped at 240 tons per year which is less than the PSD major project threshold. A siloxane removal system will be installed prior to startup of engine 4 (emission source: 04ENG). This system will be tested for a maximum of 18 months to verify removal performance meets manufacturer guarantees prior to installation of the oxidation catalysts for CO control. Oxidation catalysts will be installed on engine 4 (emission source: 04ENG) following the test period of the siloxane removal system, and on engine 5 (emission source: 05ENG) prior to startup. Engines 1 through 3 (emission sources: 01ENG-03ENG), which are currently installed and operating with a CO emission limit of 3.0 g/bhp-hr, shall be reduced to a CO emission limit of 2.5 g/bhp-hr following installation and startup of the siloxane removal system and prior to the installation of engine 4 (emission source: 04ENG). During the interim siloxane removal system test period, engine 1 through 4) shall be limited to 2.5 g/bhp-hr of CO.

During the siloxane removal system interim test period annual operation of engines 1 through 4 (emission sources: 01ENG-04ENG) shall be limited to 98.5 percent runtime during any 12-month period, and the 1,100 scfm flare and enclosed flare thermal oxidizer (emission sources: F0010 and F0011) shall be limited to a combined flow of 289.08 million standard cubic feet during any 12-month period. Following installation of the oxidation catalyst on engines 4 and 5 (emission sources: 04ENG & 05ENG) the CO emission rate shall be limited to 0.55 g/bhp-hr.

The DANC SWMF and Innovative/DANC LLC plant shall be considered a single facility for all air pollution control regulations applicability determinations. The PTE of any air pollutant from this single facility shall be based on the maximum landfill gas flow rate of 4,209 scfm (expressed as 50% methane). Emissions of carbon monoxide from the DANC SWMF and Innovative/DANC plants will be capped at 262 tons per year from landfill gas combustion in permitted engines and flares. This carbon monoxide limit does not include emissions from exempt and trivial emission sources.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: LAWRENCE R AMBEAU
 NYSDEC - STATE OFFICE BLDG
 317 WASHINGTON ST
 WATERTOWN, NY 13601

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
 - Applications for permit renewals, modifications and transfers
 - Permit modifications, suspensions or revocations by the Department
 - Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application for permit modification or renewal-REGION 6 HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

**For the purpose of your Title V permit, the following section contains
state-only enforceable terms and conditions.
GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted to the Department for review and approval.



Condition 1-1: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 1-1.1:

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 6 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 6 Headquarters
Division of Environmental Permits
State Office Building, 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2245

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: INNOVATIVE/DANC LLC
2999 JUDGE RD
OAKFIELD, NY 14125

Facility: INNOVATIVE DANC
23400 ST RTE 177
RODMAN, NY 13682

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Mod 0 Permit Effective Date: 08/16/2011

Permit Expiration Date: 08/15/2016

Mod 1 Permit Effective Date: 11/16/2011

Permit Expiration Date: 08/15/2016



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40 CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 1-1 6 NYCRR 201-6.5 (c) (2): Compliance Certification
- 24 6 NYCRR 201-6.7: Compliance Certification
- 25 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *1-2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-5 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *27 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *28 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *29 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *32 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *33 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *34 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *36 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *37 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *38 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *39 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *40 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *41 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *43 6 NYCRR Subpart 201-7: Capping Monitoring Condition

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



- 44 6 NYCRR 211.1: Air pollution prohibited
 - 45 6 NYCRR 212.4 (a): Compliance Certification
 - 46 6 NYCRR 227-1.3 (a): Compliance Certification
 - 47 6 NYCRR 227-1.3 (a): Compliance Certification
 - 48 6 NYCRR 231-3.5 (b): Compliance Certification
 - 1-6 40CFR 60.18(c), NSPS Subpart A: Compliance Certification
 - 50 40CFR 60.4230(a)(4)(i), NSPS Subpart JJJJ: Applicability of facilities subject to Subpart JJJJ
 - 51 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
 - 52 40CFR 60.4246, NSPS Subpart JJJJ: Subpart A provisions that apply to facilities subject to Subpart JJJJ
 - 53 40CFR 63.6665, Subpart ZZZZ: General provisions
- Emission Unit Level**
- 54 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 55 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-DLFGE

- *1-7 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 56 40CFR 60.752(b)(2)(iii)(C), NSPS Subpart WWW: Control of collected landfill gas by gas treatment system option.
- 57 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 58 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
- 59 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
- 60 40CFR 63.6625(j), Subpart ZZZZ: Compliance Certification
- 61 40CFR 63.6655(a), Subpart ZZZZ: Compliance Certification
- 62 40CFR 63.6655(e), Subpart ZZZZ: Compliance Certification
- 63 40CFR 60.4243(a)(1), NSPS Subpart JJJJ: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 64 ECL 19-0301: Contaminant List
- 65 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 66 6 NYCRR 211.2: Visible Emissions Limited

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Emergency Defense - 6 NYCRR 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 - 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.

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



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

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

Item D: Certification by a Responsible Official - 6 NYCRR 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 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 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 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 201-6.5 (a) (6)

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

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



Item I: Severability - 6 NYCRR 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 201-6.5 (g)

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

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

Item K: Reopening for Cause - 6 NYCRR 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

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



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

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(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.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 201-6.5 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 201-6.5 (c)

Item 3.1:

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The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 201-6.5 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 201-6.5 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum

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frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A

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written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

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Condition 6: Compliance Certification
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 201-6.5 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to

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the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

State Office Building
317 Washington Street
Watertown, NY 13601-3787

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
 - (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.
- (b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 215.2

Item 9.1:

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

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by

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police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air

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Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source 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 which contains 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.

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source 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 which contains 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.

Condition 15: Standard Requirement - Provide Information

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

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Condition 16: General Condition - Right to Inspect
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)

Item 17.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit

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(whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 20: Accidental release provisions.
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:40 CFR Part 68

Item 20.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 21: Recycling and Emissions Reduction

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Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 22: Emission Unit Definition

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-DLFGE

Emission Unit Description:

This emission unit includes: five (5) lean-burn Caterpillar, Inc. Model G3520C internal combustion (IC) engines and related ancillary equipment for electricity generation, a gas conditioning and siloxane removal system and one (1) 1,100 scfm open candlestick flare and one (1) enclosed flare thermal oxidizer to control off gases generated during the siloxane removal system regeneration cycle.

Building(s): ENGBLDG

Condition 1-1: Compliance Certification

Effective between the dates of 11/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (2)

Replaces Condition(s) 23

Item 1-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Innovative/DANC LLC plant shall separately operate and maintain devices that continuously measure the flow of landfill gas to the 1,100 cfm open candlestick flare (Emission source: F0010)and the enclosed flare thermal

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oxidizer (emission source: F0011).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 24: Compliance Certification

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 201-6.7

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Innovative/DANC LLC plant (DEC Permit ID: 6-2252-00018/00001) and DANC SWMF (DEC Permit ID: 6-2252-00007/00015) plants shall be considered a single facility for all air pollution control regulations applicability determinations. This being the case if a modification occurs at either plant both permits will require a modification to address the impact on emissions from the facility as a whole.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Facility Permissible Emissions

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0 (From Mod 1) PTE: 480,000 pounds
per year

Name: CARBON MONOXIDE

Condition 1-2: Capping Monitoring Condition

Effective between the dates of 11/16/2011 and 08/15/2016

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Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 42

Item 1-2.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 1-2.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-2.3:

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.

Item 1-2.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-2.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-2.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE
Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE
Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE
Process: 001

Emission Source: 03ENG

Emission Unit: 1-DLFGE
Process: 001

Emission Source: 04ENG

Emission Unit: 1-DLFGE

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Process: 001

Emission Source: 05ENG

Emission Unit: 1-DLFGE

Process: 005

Emission Source: F0010

Emission Unit: 1-DLFGE

Process: 007

Emission Source: F0011

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 1-2.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Innovative DANC Landfill gas to energy (LFGTE) plant shall keep records of the monthly hours of operation and actual monthly gross electrical output for each of the internal combustion (IC) engines (emission sources 01ENG - 05ENG) listed above. LFGTE plant will use this information and the carbon monoxide (CO) emission rate from the most recent acceptable emission test to calculate the monthly emissions of CO from each IC engine as well as the total from all IC engines.

Additionally LFGTE plant shall keep records of the monthly amount of landfill gas combusted in the open candlestick flare (emission source F0010) and enclosed flare thermal oxidizer(emission source: F0011) as detailed elsewhere in this permit. This information and the CO emission factor of 374.4 lb/million standard cubic feet (scf) methane combusted for the open candlestick flare and the CO emission factor of 202.4 lb/million scf methane combusted for the enclosed flare thermal oxidizer will be used to calculate the total monthly emissions of CO from these sources.

The monthly CO emissions from all emission sources listed above will be added to the CO emissions from the previous 11 months to generate an annual CO emission rate for the LFGTE plant. The CO emission rate during any 12-month period must remain less than 240 tons. The 240 ton CO limit is based on a 12 month rolling totalized landfill gas flow of 1,973,628,000 standard cubic feet per year (expressed as 50% methane).

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 240 tons per year

Monitoring Frequency: MONTHLY

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 1-3: Capping Monitoring Condition

Effective between the dates of 11/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 35

Item 1-3.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 1-3.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-3.3:

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.

Item 1-3.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-3.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-3.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 005

Emission Source: F0010

Emission Unit: 1-DLFGE

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



Process: 007

Emission Source: F0011

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-3.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Landfill gas to energy (LFGTE) plant shall keep records of the monthly amount of landfill gas combusted in the open candlestick flare (emission source F0010) and enclosed flare thermal oxidizer (emission source: F0011) listed above. LFGTE plant will use the totalized flow measurements from its landfill gas continuous flow meters for each flare and the average weekly landfill gas methane concentrations to determine the total monthly quantity of landfill gas (corrected to 50% methane) combusted in emission sources F0010 and F0011.

The total monthly amount of landfill gas combusted in emission sources F0010 and F0011 will be added to the landfill gas combusted during the previous 11 months to generate a total combined annual quantity of landfill gas combusted in the open candlestick flare (emission source F0010) and enclosed flare (emission source F0011). The total combined landfill gas combustion quantity during any 12-month period must remain less than 289.08 million standard cubic feet (MMscf).

This limit shall apply only until such time as emission source 04ENG is operating with a carbon monoxide (CO) oxidation catalyst to control exhaust emissions. After a CO oxidation catalyst on 04ENG has been proven compliant any restriction on landfill gas combusted in emission sources F0010 and F0011 stated in this condition shall be eliminated.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: LANDFILL GAS

Upper Permit Limit: 289.08 million standard cubic feet
per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



Condition 1-4: Capping Monitoring Condition

Effective between the dates of 11/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 31

Item 1-4.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-5

6 NYCRR Subpart 231-7

Item 1-4.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-4.3:

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.

Item 1-4.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-4.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-4.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-4.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



Monitoring Description:

Facility (DANC SWMF Permit ID# 6-2252-00007/00015 & Innovative DANC LLC plant Permit ID# 6-2252-00018/00001) emissions of carbon monoxide (CO) shall not exceed 262 tons during any consecutive 12 month period and shall represent the total emissions from the following emission sources: F0001-F0008 & F0999 (DANC SWMF) and 01ENG-05ENG & F0010- F0011 (Innovative/DANC LLC plant). To demonstrate compliance with this limit the facility shall perform the following:

The DANC SWMF (Permit ID# 6-2252-00007/00015) shall maintain records of the estimated quantity of landfill gas combusted in eight (8) portable passive open flares (emission sources: F0001-F0008) and the metered landfill gas combusted in the active open flare (emission source: F0999) on a monthly basis. At the end of each month DANC SWMF shall calculate the monthly emissions of CO from landfill gas combustion at the DANC SWMF.

The Innovative/DANC LLC plant (Permit ID# 6-2252-00018/00001) shall maintain records of the metered landfill gas combusted in the open flare (emission source: F0010) and enclosed flare thermal oxidizer (emission source: F0011) on a monthly basis. Additionally plant shall install and maintain a device that continuously measures and provides a monthly total of the actual gross electrical output from each engine (emission sources: 01ENG-05ENG) in kilowatt-hours (kWh). At the end of each month Innovative/DANC LLC shall calculate the monthly emissions of CO from landfill gas combustion at the Innovative/DANC LLC plant.

Flared emissions shall be calculated utilizing the open flare emission factor provided in the permit application (374.4 lb CO/million scf methane) multiplied by the monthly quantity of landfill gas combusted in all open flares (emission sources: F0001-F0008, F099 and F0010), and shall be calculated utilizing the enclosed flare thermal oxidizer emission factor provided in the permit application (202.4 lb CO/million SCF Methane) multiplied by the monthly quantity of landfill gas combusted in the enclosed flare thermal oxidizer (emission source: F0011).

Engine emissions shall be calculated as follows:

Monthly CO emission from engine = [(actual monthly gross electrical output, in kWh) x (1.341 bhp/kW) x (engine CO emission factor from most recent performance test, in g/bhp-hr)] / [453.6 g/lb]

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If no data is available for a specific engine the facility shall use the highest emission factor from the engines on-site.

The monthly CO emissions from each engine will be summed to give the total for all engines operating during each month.

The combined engine and flare monthly CO emissions shall be added to the previous 11 months of CO emissions to give a total CO emission rate over the most recent consecutive 12 month period. The CO emissions over any consecutive 12 month period shall not exceed 262 tons.

Records of all monitoring data and support information shall be retained by the respective emission source operator. The DANC SWMF and Innovative/DANC LLC plant shall each submit a combined facility CO emission cap certification report semi-annually.

When sufficient new evidence becomes available to substantiate changing any of the emission factors used to calculate the monthly CO emissions the Department will discuss utilizing the new emission factors with the applicant prior to the applicant using the revised emission factors.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 262 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 1-5: Capping Monitoring Condition

Effective between the dates of 11/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 30

Item 1-5.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 1-5.2:

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Facility DEC ID: 6225200018



Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-5.3:

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.

Item 1-5.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-5.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-5.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE Process: 001	Emission Source: 01ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 02ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 03ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 04COX
Emission Unit: 1-DLFGE Process: 001	Emission Source: 04ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 05COX
Emission Unit: 1-DLFGE Process: 001	Emission Source: 05ENG
Emission Unit: 1-DLFGE Process: 005	Emission Source: F0010
Emission Unit: 1-DLFGE	

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Process: 006

Emission Source: SILOX

Emission Unit: 1-DLFGE

Process: 007

Emission Source: F0011

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 1-5.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Title V renewal for the LFGTE (landfill gas to energy) plant allows for the installation and operation of two internal combustion engines (emission sources 04ENG & 05 ENG), a landfill gas siloxane removal system (emission source SILOX), and the continued operation of three internal combustion engines (emission sources 01ENG, 02ENG & 03 ENG) and an open candlestick flare (emission source F0010), and an enclosed flare thermal oxidizer (emission source F0011). This project will involve multiple steps with carbon monoxide (CO) emission limits that change during the different phases of the project on emission sources 01ENG, 02ENG, 03ENG, 04ENG, F0010 & F0011. The phases of the project with the associated CO emission limits are outlined below:

1. Following issuance of the permit LFGTE plant can commence construction and operation of the landfill gas siloxane removal system (emission source SILOX). Siloxane removal system shall be operational within 36 weeks of permit issuance. Facility may also commence construction of engine 4 (emission source 04ENG) upon permit issuance. Operation of 04ENG may not commence until the siloxane removal system has begun operation. Once the siloxane removal system is operational engines 01ENG, 02ENG, 03ENG & 04ENG must meet a CO emission limit of 2.5 g/bhp-hr (the performance testing and monitoring requirements of which are detailed elsewhere in this permit).

2. LFGTE plant is allowed to optimize performance of the siloxane removal system for a maximum of 18 months following construction. During this period the CO emission rate of engines 01ENG, 02ENG, 03ENG & 04ENG will remain limited to 2.5 g/bhp-hr. Also during this time the open candlestick flare (emission source F0010) and enclosed flare thermal oxidizer (emission source F0011) are limited to combusting a combined 289.08 million standard cubic feet (MMscf) during any 12-month period (the monitoring requirements of which are detailed elsewhere in this

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permit). Also during this time period operation of engines 01ENG-04ENG shall be limited to 98.5% cumulative runtime during any 12-month period based on actual gross electrical output from each engine, in kilowatt-hours, as detailed elsewhere in this permit.

3. Following the successful completion of the 18-month optimization period for the siloxane removal system LFGTE plant shall install and operate a CO oxidation catalyst (emission source 04COX) on the exhaust of 04ENG.

4. Upon start-up of the CO oxidation catalyst on 04ENG that engine will be limited to 0.55 g/bhp-hr (the performance testing and monitoring requirements of which are detailed elsewhere in this permit). After the CO oxidation catalyst (04COX) on 04ENG is proven compliant there will no longer be any restriction on the amount of landfill gas that can be combusted in F0010 and F0011 and no longer a runtime limit on engines 01ENG-04ENG, except as described elsewhere in this permit.

5. When the LFGTE plant installs 05ENG it must include a CO oxidation catalyst (05COX) on its exhaust. Upon start-up of 05ENG that engine will be limited to 0.55 g/bhp-hr (the performance testing and monitoring requirements of which are detailed elsewhere in this permit).

6. At no time during any phase of operation at the LFGTE plant shall emissions of CO exceed 240 tons during any 12-month period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 26: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 26.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

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Item 26.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 26.3:

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.

Item 26.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 26.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 26.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Following the installation and startup of the siloxane removal system the LFGTE plant shall perform the following periodic monitoring for carbon monoxide (CO) emissions in the exhaust stacks of the three internal combustion (IC) engines listed above:



1. CO emissions shall be measured weekly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating load) using a properly calibrated portable gas analyzer approved for use by the Department.
2. The CO measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.
3. The first of the three CO concentration readings will start after the portable analyzer has sampled engine exhaust for at least 1 minute.
4. The second and third CO concentration readings will occur at consecutive 1 minute intervals.
5. The three CO concentration readings will be recorded and their average calculated.
6. The calculate average will be the CO measurement for that week and must not exceed 323 ppmvd (corrected to 15% O₂).

If the concentration limit contained in this condition is exceeded the permittee shall take corrective action as soon as possible, but not later than 24 hours after detection, and shall retake the CO measurement as outlined above within 24 hours of taking corrective action.

If after corrective action and taking another round of CO measurements the concentration limit in this condition is still being exceeded permittee must: (1) shut down the engine with excessive CO concentration; (2) take necessary corrective action (i.e. tune the engine); and (3) conduct a stack test, as soon as practical, to determine that the engine is operating in compliance with the applicable CO (g/bhp-hr) limit contained elsewhere in this permit.

If corrective actions are taken as specified, the monitored exceedance is not a violation of the permit operational requirements; however the permittee shall report these episodes as deviations on the annual compliance certification and semi-annual monitoring report that cover the monitoring period when the deviations occurred.

LFGTE plant may request the Department to reduce the CO monitoring frequency if it can be demonstrated that a reduced monitoring frequency will continue to ensure compliance with the concentration limit contained above.

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Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 323 parts per million by volume
(dry, corrected to 15% O₂)

Monitoring Frequency: WEEKLY
Averaging Method: 3-MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 27.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 27.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 27.3:

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.

Item 27.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 27.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 27.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 27.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain project emissions of carbon monoxide (CO) below the Prevention of Significant Deterioration (PSD) significant source project threshold each of the three stationary internal combustion engines shown above must operate at a maximum CO emission rate of 3.0 g/bhp-hr. This emission limit will be no longer effective following the installation and startup of the siloxane removal system. At that time the three stationary internal combustion engines shown above will be required to meet a CO emission rate of 2.5 g/bhp-hr as detailed elsewhere in this permit.

Compliance with the emission rate of 3.0 g/bhp-hr shall be demonstrated by an initial performance test as outlined below:

1. The facility must submit a compliance test protocol to the department for approval at least 60 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department and allow for collection of the following information during the test:

- Operating rate for each engine during the test period (BHP);
- Total flow rate of the landfill gas to each engine (scfm, dry basis);
- Concentrations (dry basis) of oxygen (O₂) and methane (CH₄) in the landfill gas burned in the engines (percent by volume or ppmv);
- High heating value for the landfill gas (BTU/scf);
- Heat input rate to each engine averaged over the test period (BTU/hour);
- Exhaust gas flow rate from each engine (scfm, dry

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basis);

- Concentrations (dry basis) of CO, CH₄, and O₂ in the exhaust gas from each engine (ppmv or percent by volume);
- CO concentrations corrected to 15% O₂ in the exhaust gas from each engine (ppmv);
- CO emission rates from each engine (g/BHP-hr);

2. The facility must utilize the procedure set forth in 40 CFR part 60, Appendix A, Method 10, or any other method acceptable to the department for determining compliance with the CO limit contained in this condition, and must, in addition, follow the procedures set forth in Part 202 of this Title.

3. The facility must submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

An initial performance test must be completed within 12 months of issuance of this permit if the siloxane removal system is not operational by that time. Subsequent performance tests must be performed at least once during the term of the permit if the siloxane removal system is still not in operation.

If performance testing demonstrates non-compliance with the CO emission limit, the permittee must shut down the engine(s) that exceed the emission limit, take corrective action, and retest the engine(s) within 60 days of restart. In this case subsequent performance testing shall be conducted on the engine(s) in question within 6 months of retest. If at this time engine(s) emissions demonstrate compliance with the CO emission limit the permittee can resume testing per the schedule outlined above.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 3.0 grams per brake horsepower-hour

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 28: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

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Permit ID: 6-2252-00018/00001

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Item 28.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 28.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 28.3:

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.

Item 28.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 28.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 28.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 04COX

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 05COX

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 28.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



No later than 60 days prior to the initiation of operation of oxidation catalyst 04COX the permittee shall submit to the Department a monitoring plan identifying one or more key oxidation catalyst operating parameters that will be monitored to demonstrate compliance with the 0.55 g/bhp-hr carbon monoxide (CO) emission limit that must be met by landfill gas engine 04ENG. These key operating parameters will subsequently be used to monitor operation of oxidation catalyst 05COX.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 29.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 29.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 29.3:

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.

Item 29.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 29.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 29.6:

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The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 29.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Innovative/DANC LLC shall operate and maintain a device that continuously measures the flow of landfill gas to the five landfill gas engines (Emission sources: 01ENG - 05ENG). The monthly quantity of landfill gas combusted by the five engines shall be totalized by the monitoring device and added to the quantity of landfill gas combusted during the previous 11 months to generate the total quantity of landfill gas combusted during the most recent consecutive 12 month period. The quantity of landfill gas combusted in the five engines shall not exceed 1,395,468,000 standard cubic feet (expressed as 50% methane) during any consecutive 12 month period.

Parameter Monitored: LANDFILL GAS

Upper Permit Limit: 1,395,468,000 standard cubic feet
per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 32: Capping Monitoring Condition

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 32.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-5

Item 32.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

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Item 32.3:

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.

Item 32.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 32.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 32.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE Process: 001	Emission Source: 01ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 02ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 03ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 04ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 05ENG
Regulated Contaminant(s): CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 32.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
LFGTE plant shall perform the following periodic monitoring for oxides of nitrogen (NO_x) emissions in the exhaust stacks of the five internal combustion (IC)

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engines (emission sources 01ENG - 05ENG) listed above:

1. NO_x emissions shall be measured monthly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating load) using a properly calibrated portable gas analyzer approved for use by the Department.
2. The NO_x measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.
3. The first of the three NO_x concentration readings will start after the portable analyzer has sampled engine exhaust for at least 1 minute.
4. The second and third NO_x concentration readings will occur at consecutive 1 minute intervals.
5. The three NO_x concentration readings will be recorded and their average calculated.
6. The calculate average will be the NO_x measurement for that month and must not exceed 47 ppmvd (corrected to 15% O₂).

If the concentration limit contained in this condition is exceeded the permittee shall take corrective action as soon as possible, but not later than 24 hours after detection, and shall retake the NO_x measurement as outlined above within 24 hours of taking corrective action.

If corrective actions are taken as specified, the monitored exceedance is not a violation of the permit operational requirements; however the permittee shall report these episodes as deviations on the annual compliance certification and semi-annual monitoring report that cover the monitoring period when the deviations occurred.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 47 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: Handheld NO_x monitor

Monitoring Frequency: MONTHLY

Averaging Method: 3-MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

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Condition 33: Capping Monitoring Condition

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 33.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-5

Item 33.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 33.3:

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.

Item 33.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 33.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 33.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Emission Unit: 1-DLFGE

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Process: 001

Emission Source: 04ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 05ENG

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 33.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain facility emissions of NO_x below the Non-attainment New Source Review (NSR) major source threshold each of the five stationary internal combustion engines (emission sources 01ENG - 05ENG) shown above must operate at a maximum NO_x emission rate of 0.60 g/bhp-hr.

Compliance with the emission rate of 0.60 g/bhp-hr shall be demonstrated by an initial performance test as outlined below:

1. The facility must submit a compliance test protocol to the department for approval at least 60 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department and allow for collection of the following information during the test:

- Operating rate for each engine during the test period (BHP);
- Total flow rate of the landfill gas to each engine (scfm, dry basis);
- Concentrations (dry basis) of oxygen (O₂) and methane (CH₄) in the landfill gas burned in the engines (percent by volume or ppmv);
- High heating value for the landfill gas (BTU/scf);
- Heat input rate to each engine averaged over the test period (BTU/hour);
- Exhaust gas flow rate from each engine (scfm, dry basis);
- Concentrations (dry basis) of NO_x, CH₄, and O₂ in the exhaust gas from each engine (ppmv or percent by volume);
- NO_x concentrations corrected to 15% O₂ in the exhaust gas from each engine (ppmv);
- NO_x emission rates from each engine (g/BHP-hr);

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2. The facility must utilize the procedures set forth in 40 CFR part 60, Appendix A, Method 7, 7E, or 19, or any other method acceptable to the department for determining compliance with the NO_x limit contained in this condition, and must, in addition, follow the procedures set forth in Part 202 of this Title.

3. The facility must submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

An initial performance test must be completed within 180 days of commencement of operation of emission sources 04ENG & 05ENG. Subsequent performance tests must be performed at least once during the term of the permit. Performance testing of emission sources 01ENG, 02ENG & 03ENG must be performed at least once during the term of the permit. Since all five stationary internal combustion devices at this facility are identical Innovative/DANC LLC may request that performance tests conducted following the current permit term be performed on only two of the five internal combustion engines described above.

If performance testing demonstrates non-compliance with the NO_x emission limit, the permittee must shut down the engine(s) that exceed the emission limit, take corrective action, and retest the engine(s) within 60 days of restart. In this case subsequent performance testing shall be conducted on the engine(s) in question within 6 months of retest. If at this time engine(s) emissions demonstrate compliance with the NO_x emission limit the permittee can resume testing per the schedule outlined above.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.60 grams per brake horsepower-hour

Reference Test Method: EPA RM 7, 7E or 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 34: Capping Monitoring Condition

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 34.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to

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the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 34.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 34.3:

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.

Item 34.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 34.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 34.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE Process: 001	Emission Source: 01ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 02ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 03ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 04ENG
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 34.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Landfill gas to energy (LFGTE) plant shall install and maintain a device that continuously monitors kilowatt-hours (kWh) and keep records of the monthly megawatt-hours (MWh) generated by each of the internal combustion engines (emission sources 01ENG - 04ENG) listed above.

The monthly MWh generated by each of the emission sources 01ENG - 04ENG will be added to the MWh generated by each engine during the previous 11 months to generate an annual generation rate for each of the emission sources 01ENG - 04ENG. The combined MWh generated by all four internal combustion engines during any 12-month period must remain less than 55,223 MWh.

This limit shall apply only until such time as emission source 04ENG is operating with a carbon monoxide (CO) oxidation catalyst to control exhaust emissions. After a CO oxidation catalyst on 04ENG has been proven compliant any restriction on MWh generation by emission sources 01ENG - 04ENG shall be eliminated.

Parameter Monitored: ENGINE OPERATION

Upper Permit Limit: 55223 megawatt-hours per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 36: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 36.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 36.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

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Item 36.3:

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.

Item 36.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 36.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 36.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 36.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Prior to the installation and startup of the siloxane removal system the LFGTE plant shall perform the following periodic monitoring for carbon monoxide (CO) emissions in the exhaust stacks of the three internal combustion (IC) engines listed above:

1. CO emissions shall be measured weekly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating

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load) using a properly calibrated portable gas analyzer approved for use by the Department.

2. The CO measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.

3. The first of the three CO concentration readings will start after the portable analyzer has sampled engine exhaust for at least 1 minute.

4. The second and third CO concentration readings will occur at consecutive 1 minute intervals.

5. The three CO concentration readings will be recorded and their average calculated.

6. The calculate average will be the CO measurement for that week and must not exceed 387 ppmvd (corrected to 15% O₂).

If the concentration limit contained in this condition is exceeded the permittee shall take corrective action as soon as possible, but not later than 24 hours after detection, and shall retake the CO measurement as outlined above within 24 hours of taking corrective action.

If after corrective action and taking another round of CO measurements the concentration limit in this condition is still being exceeded permittee must: (1) shut down the engine with excessive CO concentration; (2) take necessary corrective action (i.e. tune the engine); and (3) conduct a stack test, as soon as practical, to determine that the engine is operating in compliance with the applicable CO (g/bhp-hr) limit contained elsewhere in this permit.

If corrective actions are taken as specified, the monitored exceedance is not a violation of the permit operational requirements; however the permittee shall report these episodes as deviations on the annual compliance certification and semi-annual monitoring report that cover the monitoring period when the deviations occurred.

LFGTE plant may request the Department to reduce the CO monitoring frequency if it can be demonstrated that a reduced monitoring frequency will continue to ensure compliance with the concentration limit contained above.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 387 parts per million by volume
(dry, corrected to 15% O₂)

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Reference Test Method: Handheld CO monitor
Monitoring Frequency: WEEKLY
Averaging Method: 3-MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 37.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 37.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 37.3:

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.

Item 37.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 37.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 37.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE
Process: 001

Emission Source: 04ENG

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Emission Unit: 1-DLFGE

Process: 001

Emission Source: 05ENG

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 37.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

LFGTE plant shall perform the following periodic monitoring for carbon monoxide (CO) emissions in the exhaust stacks of the internal combustion (IC) engines listed above:

1. CO emissions shall be measured weekly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating load) using a properly calibrated portable gas analyzer approved for use by the Department.
2. The CO measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.
3. The first of the three CO concentration readings will start after the portable analyzer has sampled engine exhaust for at least 1 minute.
4. The second and third CO concentration readings will occur at consecutive 1 minute intervals.
5. The three CO concentration readings will be recorded and their average calculated.
6. The calculate average will be the CO measurement for that week and must not exceed 71 ppmvd (corrected to 15% O₂).

If the concentration limit contained in this condition is exceeded the permittee shall take corrective action as soon as possible, but not later than 24 hours after detection, and shall retake the CO measurement as outlined above within 24 hours of taking corrective action.

If after corrective action and taking another round of CO measurements the concentration limit in this condition is still being exceeded permittee must: (1) shut down the engine with excessive CO concentration; (2) take necessary

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corrective action (i.e. tune the engine); and (3) conduct a stack test, as soon as practical, to determine that the engine is operating in compliance with the applicable CO (g/bhp-hr) limit contained elsewhere in this permit.

If corrective actions are taken as specified, the monitored exceedance is not a violation of the permit operational requirements; however the permittee shall report these episodes as deviations on the annual compliance certification and semi-annual monitoring report that cover the monitoring period when the deviations occurred.

This limit will only apply to emission source 04ENG after a CO oxidation catalyst is installed and operating on the exhaust of 04ENG. This limit will apply to emission source 05ENG upon start-up.

LFGTE plant may request the Department to reduce the CO monitoring frequency if it can be demonstrated that a reduced monitoring frequency will continue to ensure compliance with the concentration limit contained above.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 71 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: Handheld CO monitor

Monitoring Frequency: WEEKLY

Averaging Method: 3-MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 38: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 38.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 38.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 38.3:

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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.

Item 38.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 38.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 38.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 04ENG

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 38.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

LFGTE plant shall perform the following periodic monitoring for carbon monoxide (CO) emissions in the exhaust stack of the internal combustion (IC) engine listed above:

1. CO emissions shall be measured weekly, at a stack location acceptable to the Department, while the engine is operating at base load (base load is a normal operating load) using a properly calibrated portable gas analyzer approved for use by the Department.

2. The CO measurement will consist of the average of three instantaneous concentration readings that are obtained over a 3 minute period.

3. The first of the three CO concentration readings will

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start after the portable analyzer has sampled engine exhaust for at least 1 minute.

4. The second and third CO concentration readings will occur at consecutive 1 minute intervals.

5. The three CO concentration readings will be recorded and their average calculated.

6. The calculate average will be the CO measurement for that week and must not exceed 323 ppmvd (corrected to 15% O₂).

If the concentration limit contained in this condition is exceeded the permittee shall take corrective action as soon as possible, but not later than 24 hours after detection, and shall retake the CO measurement as outlined above within 24 hours of taking corrective action.

If after corrective action and taking another round of CO measurements the concentration limit in this condition is still being exceeded permittee must: (1) shut down the engine with excessive CO concentration; (2) take necessary corrective action (i.e. tune the engine); and (3) conduct a stack test, as soon as practical, to determine that the engine is operating in compliance with the applicable CO (g/bhp-hr) limit contained elsewhere in this permit.

If corrective actions are taken as specified, the monitored exceedance is not a violation of the permit operational requirements; however the permittee shall report these episodes as deviations on the annual compliance certification and semi-annual monitoring report that cover the monitoring period when the deviations occurred.

This limit will only apply on emission source 04ENG until such time as a CO oxidation catalyst is installed and operating on the exhaust of 04ENG. At that time the CO concentration will be lowered to 71 ppmvd (corrected to 15% O₂) as detailed in a different permit condition.

LFGTE plant may request the Department to reduce the CO monitoring frequency if it can be demonstrated that a reduced monitoring frequency will continue to ensure compliance with the concentration limit contained above.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 323 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Handheld CO monitor

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Permit ID: 6-2252-00018/00001

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Monitoring Frequency: WEEKLY
Averaging Method: 3-MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 39.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 39.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 39.3:

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.

Item 39.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 39.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 39.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFG

Process: 001

Emission Source: 05ENG

Regulated Contaminant(s):

New York State Department of Environmental Conservation

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Facility DEC ID: 6225200018



CAS No: 000630-08-0 CARBON MONOXIDE

Item 39.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain project emissions of carbon monoxide (CO) below the Prevention of Significant Deterioration (PSD) significant source project threshold the stationary internal combustion engine shown above (emission source 05ENG) must operate at a maximum CO emission rate of 0.55 g/bhp-hr upon start-up. In order to meet this emission limit a CO oxidation catalyst must be installed and operated to control CO emissions on the exhaust of 05ENG.

Compliance with the emission rate of 0.55 g/bhp-hr shall be demonstrated by an initial performance test as outlined below:

1. The facility must submit a compliance test protocol to the department for approval at least 60 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department and allow for collection of the following information during the test:

- Operating rate for the engine during the test period (BHP);
- Total flow rate of the landfill gas to the engine (scfm, dry basis);
- Concentrations (dry basis) of oxygen (O₂) and methane (CH₄) in the landfill gas burned in the engine (percent by volume or ppmv);
- High heating value for the landfill gas (BTU/scf);
- Heat input rate to the engine averaged over the test period (BTU/hour);
- Exhaust gas flow rate from the engine (scfm, dry basis);
- Concentrations (dry basis) of CO, CH₄, and O₂ in the exhaust gas from the engine (ppmv or percent by volume);
- CO concentrations corrected to 15% O₂ in the exhaust gas from the engine (ppmv);
- CO emission rates from the engine (g/BHP-hr);
- The key oxidation catalyst operating parameter(s) once it has been established.

2. The facility must utilize the procedure set forth in 40

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CFR part 60, Appendix A, Method 10, or any other method acceptable to the department for determining compliance with the CO limit contained in this condition, and must, in addition, follow the procedures set forth in Part 202 of this Title.

3. The facility must submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

The initial performance test must be completed within 180 days of installation and startup of emission source 05ENG. Subsequent performance tests must be performed at least once during the term of the permit.

If performance testing demonstrates non-compliance with the CO emission limit, the permittee must shut down the engine, take corrective action, and retest the engine within 60 days of restart. In this case subsequent performance testing shall be conducted on the engine within 6 months of retest. If at this time engine emissions demonstrate compliance with the CO emission limit the permittee can resume testing per the schedule outlined above.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.55 grams per brake horsepower-hour

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 40: Capping Monitoring Condition
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 40.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 40.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

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Item 40.3:

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.

Item 40.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 40.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 40.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFG

Process: 001

Emission Source: 04ENG

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 40.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain project emissions of carbon monoxide (CO) below the Prevention of Significant Deterioration (PSD) significant source project threshold the stationary internal combustion engine shown above (emission source 04ENG) must operate at a maximum CO emission rate of 0.55 g/bhp-hr after the required installation of a CO oxidation catalyst on the exhaust of 04ENG.

Compliance with the emission rate of 0.55 g/bhp-hr shall be demonstrated by an initial performance test as outlined below:

1. The facility must submit a compliance test protocol to the department for approval at least 60 days prior to emission testing. The conditions of the testing and the



locations of the sampling devices must be acceptable to the department and allow for collection of the following information during the test:

- Operating rate for the engine during the test period (BHP);
- Total flow rate of the landfill gas to the engine (scfm, dry basis);
- Concentrations (dry basis) of oxygen (O₂) and methane (CH₄) in the landfill gas burned in the engine (percent by volume or ppmv);
- High heating value for the landfill gas (BTU/scf);
- Heat input rate to the engine averaged over the test period (BTU/hour);
- Exhaust gas flow rate from the engine (scfm, dry basis);
- Concentrations (dry basis) of CO, CH₄, and O₂ in the exhaust gas from the engine (ppmv or percent by volume);
- CO concentrations corrected to 15% O₂ in the exhaust gas from the engine (ppmv);
- CO emission rates from the engine (g/BHP-hr);
- The key oxidation catalyst operating parameter(s) once it has been established.

2. The facility must utilize the procedure set forth in 40 CFR part 60, Appendix A, Method 10, or any other method acceptable to the department for determining compliance with the CO limit contained in this condition, and must, in addition, follow the procedures set forth in Part 202 of this Title.

3. The facility must submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

The initial performance test must be completed within 180 days of installation and startup of the CO oxidation catalyst. Subsequent performance tests must be performed at least once during the term of the permit.

If performance testing demonstrates non-compliance with the CO emission limit, the permittee must shut down the engine, take corrective action, and retest the engine within 60 days of restart. In this case subsequent performance testing shall be conducted on the engine within 6 months of retest. If at this time engine emissions demonstrate compliance with the CO emission limit the permittee can resume testing per the schedule

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outlined above.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 0.55 grams per brake horsepower-hour

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 41: Capping Monitoring Condition

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 41.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 41.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 41.3:

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.

Item 41.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 41.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 41.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 41.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain project emissions of carbon monoxide (CO) below the Prevention of Significant Deterioration (PSD) significant source project threshold each of the three stationary internal combustion engines shown above must operate at a maximum CO emission rate of 2.5 g/bhp-hr. This CO emission limit shall apply only after installation and startup of the siloxane removal system. Prior to that time the three stationary internal combustion engines shown above must comply with a CO emission limit of 3.0 g/bhp-hr as detailed elsewhere in this permit.

Compliance with the emission rate of 2.5 g/bhp-hr shall be demonstrated by an initial performance test as outlined below:

1. The facility must submit a compliance test protocol to the department for approval at least 60 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department and allow for collection of the following information during the test:

- Operating rate for each engine during the test period (BHP);
- Total flow rate of the landfill gas to each engine (scfm, dry basis);
- Concentrations (dry basis) of oxygen (O₂) and methane (CH₄) in the landfill gas burned in the engines (percent by volume or ppmv);
- High heating value for the landfill gas (BTU/scf);
- Heat input rate to each engine averaged over the test period (BTU/hour);
- Exhaust gas flow rate from each engine (scfm, dry

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basis);

- Concentrations (dry basis) of CO, CH₄, and O₂ in the exhaust gas from each engine (ppmv or percent by volume);
- CO concentrations corrected to 15% O₂ in the exhaust gas from each engine (ppmv);
- CO emission rates from each engine (g/BHP-hr);

2. The facility must utilize the procedure set forth in 40 CFR part 60, Appendix A, Method 10, or any other method acceptable to the department for determining compliance with the CO limit contained in this condition, and must, in addition, follow the procedures set forth in Part 202 of this Title.

3. The facility must submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

The initial performance test must be completed within 180 days of installation and startup of the siloxane removal system. Subsequent performance tests must be performed at least once during the term of the permit. Since all three stationary internal combustion devices listed above are identical Innovative/DANC LLC may request that only one of the three internal combustion engines will require performance testing to demonstrate compliance with this CO emission limit.

If performance testing demonstrates non-compliance with the CO emission limit, the permittee must shut down the engine(s) that exceed the emission limit, take corrective action, and retest the engine(s) within 60 days of restart. In this case subsequent performance testing shall be conducted on the engine(s) in question within 6 months of retest. If at this time engine(s) emissions demonstrate compliance with the CO emission limit the permittee can resume testing per the schedule outlined above.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2.5 grams per brake horsepower-hour

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 43: Capping Monitoring Condition

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Permit ID: 6-2252-00018/00001

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Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 43.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 43.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 43.3:

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.

Item 43.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 43.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 43.6:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 04ENG

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 43.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



In order to maintain project emissions of carbon monoxide (CO) below the Prevention of Significant Deterioration (PSD) significant source project threshold each of the stationary internal combustion engine shown above (emission source 04ENG) must operate at a maximum CO emission rate of 2.5 g/bhp-hr until such time as the landfill gas siloxane removal system (process 006) has been proved viable. The siloxane removal system test period shall be a maximum of 18 months following completion of installation and is addressed in a different permit condition.

At the completion of the siloxane removal system test period an oxidation catalyst for CO control shall be installed on the exhaust of emission source 04ENG and following that installation 04ENG shall no longer be allowed to emit CO at the emission rate contained in this condition. The CO emission rate after oxidation catalyst installation and operation is detailed in a different permit condition.

If at the end of the siloxane removal system test period it is determined that the system will not perform to manufacturer specifications which will allow installation of the oxidation catalyst on the exhaust of 04ENG then the CO emission rate from 04ENG shall remain at 2.5 g/bhp-hr until such time as there is a resolution that allows installation and operation of an oxidation catalyst. In such a case the installation and operation of emission source 05ENG is prohibited until 04ENG is operating with a proven oxidation catalyst.

Compliance with the emission rate of 2.5 g/bhp-hr shall be demonstrated by an initial performance test as outlined below:

1. The facility must submit a compliance test protocol to the department for approval at least 60 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department and allow for collection of the following information during the test:

- Operating rate for the engine during the test period (BHP);
- Total flow rate of the landfill gas to the engine (scfm, dry basis);
- Concentrations (dry basis) of oxygen (O₂) and methane (CH₄) in the landfill gas burned in the engine (percent by volume or ppmv);
- High heating value for the landfill gas (BTU/scf);

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- Heat input rate to the engine averaged over the test period (BTU/hour);
- Exhaust gas flow rate from the engine (scfm, dry basis);
- Concentrations (dry basis) of CO, CH₄, and O₂ in the exhaust gas from the engine (ppmv or percent by volume);
- CO concentrations corrected to 15% O₂ in the exhaust gas from the engine (ppmv);
- CO emission rates from the engine (g/BHP-hr);
- The key oxidation catalyst operating parameter(s) once it has been established.

2. The facility must utilize the procedure set forth in 40 CFR part 60, Appendix A, Method 10, or any other method acceptable to the department for determining compliance with the CO limit contained in this condition, and must, in addition, follow the procedures set forth in Part 202 of this Title.

3. The facility must submit a compliance test report containing the results of the emission test to the department no later than 60 days after completion of the emission test.

The initial performance test must be completed within 180 days of installation and startup of the siloxane removal system. Subsequent performance tests must be performed at least once during the term of the permit.

If performance testing demonstrates non-compliance with the CO emission limit, the permittee must shut down the engine, take corrective action, and retest the engine within 60 days of restart. In this case subsequent performance testing shall be conducted on the engine within 6 months of retest. If at this time engine emissions demonstrate compliance with the CO emission limit the permittee can resume testing per the schedule outlined above.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2.5 grams per brake horsepower-hour

Reference Test Method: EPA RM 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 44: Air pollution prohibited

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Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 211.1

Item 44.1:

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. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 45: Compliance Certification

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 04ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 05ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: SILOX

Regulated Contaminant(s):

CAS No: 073138-87-1

SILOXANES

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No later than 60 days prior to the initiation of operation of the siloxanes removal system (Emission Source: SILOX), the permittee shall submit to the Department a monitoring plan identifying how they propose

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to demonstrate compliance with the siloxanes removal system manufacturer specification of a siloxanes content of 5 milligrams per cubic meter in landfill gas fired in all 5 landfill gas engines (Emission Sources: 01ENG - 05ENG).

Following the interim siloxane removal system test period and confirmation of system performance, the requirement to monitor the siloxane removal system will no longer be required. Weekly emissions monitoring of CO and NOx shall continue to be conducted in accordance with conditions contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Certification
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 46.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE Process: 001	Emission Source: 01ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 02ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 03ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 04ENG
Emission Unit: 1-DLFGE Process: 001	Emission Source: 05ENG

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The permittee will conduct observations of visible emissions, from each of the internal combustion engines listed above, at the monitoring frequency stated below while they are in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are

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normal and in compliance are occurring or have occurred from an emission source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission points) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and continue to be present after corrections are made, the permittee will immediately notify the Department and conduct an EPA Reference Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 04ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 05ENG

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Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Permittee shall not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of an EPA Reference Method 9 opacity evaluation, from any of the internal combustion engines listed above, at any time during their operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 48: Compliance Certification

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR 231-3.5 (b)

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For the purposes of Subparts 231-7 and 231-8 of 6 NYCRR Part 231 only, at such time that a particular facility becomes a major facility, or a modification becomes a NSR major modification solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the facility or modification otherwise to emit a regulated NSR contaminant, such as a restriction on hours of operation, then the requirements of Subparts 231-7 and 231-8 of this Part, as applicable, apply to the facility as though construction had not yet commenced on the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-6: Compliance Certification

Effective between the dates of 11/16/2011 and 08/15/2016

Applicable Federal Requirement: 40CFR 60.18(c), NSPS Subpart A

Replaces Condition(s) 49

Item 1-6.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 007

Emission Source: F0011

Regulated Contaminant(s):

CAS No: 0NY998-20-0 NMOC - LANDFILL USE ONLY

Item 1-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All waste flush gas generated by desorption of the siloxanes removal system (Process 006) shall be vented to the enclosed flare thermal oxidizer (Emission Source F0011). The flare shall be continuously operated during any time the waste flush is being vented to this flare. This permit does not authorize the use of landfill gas for desorption of the siloxanes removal system. Only air can be used. The flare shall meet the following minimum requirements in accordance with 40 CFR 60.18:

1) be designed for and operated with no visible emissions as determined by the methods specified in 40 CFR 60.18(f) (Method 22), except for periods not to exceed 5 minutes during any 2 consecutive hours;

2) Flares shall be operated with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f) (Method 22);

3) An owner/operator has the choice of adhering to either the heat content specifications in 40 CFR 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR 60.18(c)(4), or adhering to the requirements in 40 CFR 60.18(c)(3)(i).

4) Steam assisted and non assisted flares shall be designed for and operate with an exit velocity, as determined by the methods specified in 40 CFR 60.18(f)(4), less than 18.3 m/sec (60 ft/sec), except as provided in 40

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CFR 60.18(c)(4)(ii) and (iii).

5) Air-assisted flares shall be designed and operated with an exit velocity less than the velocity, V_{MAX} , as determined by the method specified in 40 CFR 60.18(f)(6).

6) Flares used to comply with 40 CFR 60.18(c) shall be steam-assisted, air-assisted or non-assisted.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 50: Applicability of facilities subject to Subpart JJJJ
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 40CFR 60.4230(a)(4)(i), NSPS Subpart JJJJ

Item 50.1:

This Condition applies to:

Emission Unit: 1DLFGE

Process: 001

Emission Source: 04ENG

Emission Unit: 1DLFGE

Process: 001

Emission Source: 05ENG

Item 50.2:

The provisions of 40 CFR 60 Subpart JJJJ are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) that commence construction after June 12, 2006, and where the stationary SI ICE are manufactured on or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP). For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

Condition 51: Compliance Certification
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 40CFR 60.4245(a), NSPS Subpart JJJJ

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 04ENG

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Emission Unit: 1-DLFGE

Process: 001

Emission Source: 05ENG

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 52: Subpart A provisions that apply to facilities subject to Subpart JJJJ

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 40CFR 60.4246, NSPS Subpart JJJJ

Item 52.1:

This Condition applies to:

Emission Unit: 1DLFGE

Process: 001

Emission Source: 04ENG

Emission Unit: 1DLFGE

Process: 001

Emission Source: 05ENG

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Item 52.2:

The following provisions of 40 CFR 60 Subpart A apply to this facility: 60.1 through 60.12, 60.14 through 60.17 and 60.19.

Condition 53: General provisions

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 40 CFR 63.6665, Subpart ZZZZ

Item 53.1:

This Condition applies to:

Emission Unit: 1DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1DLFGE

Process: 001

Emission Source: 03ENG

Item 53.2:

Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

****** Emission Unit Level ******

Condition 54: Emission Point Definition By Emission Unit

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 54.1(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-DLFGE

Emission Point: 00010

Height (ft.): 30

Diameter (in.): 6

NYTMN (km.): 4852.532

NYTME (km.): 426.002

Emission Point: 00011

Height (ft.): 20

Diameter (in.): 48

NYTMN (km.): 4852.532

NYTME (km.): 426.002

Emission Point: ENG01

Height (ft.): 35

Diameter (in.): 15

NYTMN (km.): 4852.552

NYTME (km.): 425.954

Building: ENGBLDG

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Emission Point: ENG02
Height (ft.): 35 Diameter (in.): 15
NYTMN (km.): 4852.543 NYTME (km.): 425.959 Building: ENGBLDG

Emission Point: ENG03
Height (ft.): 35 Diameter (in.): 15
NYTMN (km.): 4852.56 NYTME (km.): 425.965 Building: ENGBLDG

Emission Point: ENG04
Height (ft.): 35 Diameter (in.): 15
NYTMN (km.): 4852.551 NYTME (km.): 425.969 Building: ENGBLDG

Emission Point: ENG05
Height (ft.): 35 Diameter (in.): 15
NYTMN (km.): 4852.532 NYTME (km.): 426.002 Building: ENGBLDG

Condition 55: Process Definition By Emission Unit
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 55.1(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-DLFG
Process: 001 Source Classification Code: 2-01-008-02
Process Description:

Process 001 consists of five (5) Caterpillar G3520C landfill gas fired internal combustion (IC) engine generator sets. Treated landfill gas from the DANC SWMF is combusted at a rate of approximately 531 standard cubic feet (scfm) at 50 percent methane per engine for a total combined landfill gas utilization rate of 2,655 scfm at 50 percent methane for the five (5) IC engines.

Emission Source/Control: 01ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 02ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 03ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 04ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 05ENG - Combustion
Design Capacity: 1,600 kilowatts

Emission Source/Control: 04COX - Control

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Control Type: CATALYTIC OXIDATION

Emission Source/Control: 05COX - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: SILOX - Process

Design Capacity: 3,000 cubic feet per minute (standard conditions)

Item 55.2(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-DLFGE

Process: 005

Source Classification Code: 5-01-004-10

Process Description:

Process 005 consists of one (1) open candlestick flare with the capacity to combust up to 1,100 scfm of landfill gas.

Emission Source/Control: F0010 - Combustion

Design Capacity: 1,100 cubic feet per minute (standard conditions)

Item 55.3(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-DLFGE

Process: 006

Source Classification Code: 5-01-004-31

Process Description:

Process 006 consists of a siloxane removal system for the LFGTE plant inlet landfill gas stream. Treated landfill gas will be sent to the engines, open flare and enclosed flare thermal oxidizer. The system will remove NMOCs including siloxanes, and hydrogen sulfide in the landfill gas stream prior to combustion. Off-gases from the regeneration of the siloxane removal system will be flared in the enclosed flare thermal oxidizer. Emissions associated with this process are included in the enclosed flare thermal oxidizer PTE emission estimates.

Emission Source/Control: F0011 - Combustion

Design Capacity: 1,200 cubic feet per minute (standard conditions)

Emission Source/Control: SILOX - Process

Design Capacity: 3,000 cubic feet per minute (standard conditions)

Item 55.4(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-DLFGE

Process: 007

Source Classification Code: 5-01-004-10

Process Description:

Process 007 will consist of one (1) enclosed flare thermal oxidizer utilized to control 1200 scfm waste

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off-gas from the siloxane removal system regeneration cycle. The enclosed flare thermal oxidizer utilizes a nominal landfill gas usage of 126 scfm at 50% methane. The maximum design capacity for the enclosed flare thermal oxidizer will be 3.28 mmBTU/hr based on 50% methane in the landfill gas.

Emission Source/Control: F0011 - Combustion

Design Capacity: 1,200 cubic feet per minute (standard conditions)

Condition 1-7: Capping Monitoring Condition
Effective between the dates of 11/16/2011 and 08/15/2016

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 1-7.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-7

Item 1-7.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-7.3:

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.

Item 1-7.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-7.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-7.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-DLFGE

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Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-7.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The permittee shall install, maintain, and operate a device to continuously monitor and record the temperature in the combustion zone of the enclosed flare thermal oxidizer (Emission Source: F0011) during flare operation. The flare must be maintained and operated at all times per the manufacturer's instructions and recommendations. Any 3-hour block average combustion zone temperature in the enclosed flare thermal oxidizer (emission source: F0011) that is more than 50 degrees Fahrenheit below the manufacturer's design specification of 1650 degrees shall be investigated. The event will be noted with the time/date/cause/corrective action. These events shall be reported to the Department as deviations in the semiannual monitoring reports.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1650 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 56: Control of collected landfill gas by gas treatment system option.

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 40 CFR 60.752(b)(2)(iii)(C), NSPS

Subpart WWW

Item 56.1:

This Condition applies to Emission Unit: 1-DLFGE

Item 56.2:

All collected landfill gas must be routed to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of 40 CFR 60.752(b)(2)(iii)(A) or (B). For purposes of this rule, atmospheric vents located on the condensate storage tank are not part of the treatment system and are exempt from the requirements of 40 CFR 60.752(b)(2)(iii)(A) or (B). The owner/operator of the landfill gas treatment system must ensure compliance with these requirements. The owner/operator of a combustion device who uses or purchases treated landfill

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gas for fuel in a combustion device shall be exempt from further compliance with this 40 CFR 60 Subpart WWW. Since the treatment option is only valid when treated landfill gas is sold or used as a fuel in a combustion device, the gas must be used as a fuel, and venting of treated landfill gas to the ambient air is not allowed under this option.

Condition 57: Compliance Certification

Effective between the dates of 10/19/2013 and 08/15/2016

Applicable Federal Requirement: 40CFR 63.6603(a), Subpart ZZZZ

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing non-emergency, non-black start landfill or digester gas fired stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

- (1) Change oil and filter every 1,440 hours of operation or annually, whichever comes first,
- (2) Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first,
- (3) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification

Effective between the dates of 10/19/2013 and 08/15/2016

Applicable Federal Requirement: 40CFR 63.6625(e), Subpart ZZZZ

Item 58.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any of the following stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions;

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions;

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

(4) An existing non-emergency, non-black start stationary compression ignition RICE with a site rating less than or equal to 300 brake horsepower located at an area source of HAP emissions;

(5) An existing non-emergency, non-black start 2 stroke

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lean burn stationary RICE located at an area source of HAP emissions;

(6) An existing non-emergency, non-black start landfill or digester gas stationary RICE located at an area source of HAP emissions;

(7) An existing non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(8) An existing non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(9) An existing, non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year; and

(10) An existing, non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 59: Compliance Certification

Effective between the dates of 10/19/2013 and 08/15/2016

Applicable Federal Requirement: 40CFR 63.6625(h), Subpart ZZZZ

Item 59.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Item 59.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

For operation of a new, reconstructed, or existing stationary engine, the engine's time spent at idle must be minimized during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR 63 Subpart ZZZZ apply.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement: 40CFR 63.6625(j), Subpart ZZZZ

Item 60.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary spark ignition engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c of subpart ZZZZ or in items 5, 6, 7, 9, or 11 of Table 2d of subpart ZZZZ has the option of utilizing an oil analysis

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program in order to extend the specified oil change requirement in Tables 2c and 2d of subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 61: Compliance Certification
Effective between the dates of 10/19/2013 and 08/15/2016

Applicable Federal Requirement: 40CFR 63.6655(a), Subpart ZZZZ

Item 61.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-DLFGE
Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE
Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE
Process: 001

Emission Source: 03ENG

Item 61.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must keep the records described in paragraphs (1) through (5).

(1) A copy of each notification and report that the owner or operator submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 62: Compliance Certification

Effective between the dates of 10/19/2013 and 08/15/2016

Applicable Federal Requirement: 40CFR 63.6655(e), Subpart ZZZZ

Item 62.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 01ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 02ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 03ENG

Item 62.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that he/she operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan for the following stationary RICE;

(1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions.

(2) An existing stationary emergency RICE.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 63: Compliance Certification

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable Federal Requirement:40CFR 60.4243(a)(1), NSPS Subpart

JJJJ

Item 63.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 04ENG

Emission Unit: 1-DLFGE

Process: 001

Emission Source: 05ENG

Regulated Contaminant(s):

CAS No: 0NY210-00-0

OXIDES OF NITROGEN

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in §60.4233(a) through (c), you must comply by

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purchasing an engine certified to the emission standards in §60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance. In addition, you must meet one of the requirements specified below:

If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

Subsequent reports are due every 6 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

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.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 64: Contaminant List
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable State Requirement:ECL 19-0301

Item 64.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0

Name: CARBON MONOXIDE

New York State Department of Environmental Conservation

Permit ID: 6-2252-00018/00001

Facility DEC ID: 6225200018



CAS No: 073138-87-1

Name: SILOXANES

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-20-0

Name: NMOC - LANDFILL USE ONLY

Condition 65: Unavoidable noncompliance and violations
Effective between the dates of 08/16/2011 and 08/15/2016

Applicable State Requirement: 6 NYCRR 201-1.4

Item 65.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which

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result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 66: Visible Emissions Limited

Effective between the dates of 08/16/2011 and 08/15/2016

Applicable State Requirement:6 NYCRR 211.2

Item 66.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

