


PERMIT TO CONSTRUCT / RECONSTRUCT / MODIFY AN AIR CONTAMINANT SOURCE

	<p>Lincoln-Lancaster County Health Department Environmental Public Health Division Air Quality Section 3131 O Street Lincoln, Nebraska 68510</p> <p>Phone: (402) 441-8040 Fax: (402) 441-3890</p>	<p>Kerry Kernen, MPA, MSN, RN Health Director</p> <p>Brock Hanisch, MS, MPH, REHS Environmental Public Health Division Manager</p> <p>Gary R. Bergstrom, Jr. Air Quality Section Supervisor</p>
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LLCHD Air Quality Section Facility Identification (FID) Number:	00240
LLCHD Air Quality Section Construction Permit Number:	26-152A
Effective Date of Permit:	## - ## - 2026 <small>MM - DD - YYYY</small>

A Permit to Construct / Reconstruct / Modify an Air Contaminant Source is Hereby Issued to:

Permit Holder Name:	Lincoln Electric System (LES)
Address:	9445 Rokeby Road
City, State, ZIP:	Lincoln, Nebraska 68526

This Construction / Reconstruction / Modification Permit is Issued to the Following Source:

Facility Site Name:	LES Terry Bundy Generating Station (TBGS)
Facility Location:	7707 Bluff Road
City, County, State, ZIP:	Lincoln, Lancaster County, Nebraska, 68517
Facility NAICS:	221112: Fossil Fuel Electric Power Generation

Environmental Public Health Division / Air Quality Section Recommendation:

Permit Writer:	<input type="checkbox"/> Approve Issuance <input type="checkbox"/> Deny Issuance	PERMIT WRITER APPROVAL
Air Quality Section Supervisor:	<input type="checkbox"/> Approve Issuance <input type="checkbox"/> Deny Issuance	SUPERVISOR APPROVAL
Environmental Public Health Division Manager:	<input type="checkbox"/> Approve Issuance <input type="checkbox"/> Deny Issuance	MANAGER APPROVAL

Health Director / Air Pollution Control Officer Authorization:

<p><u>ACTION TAKEN:</u></p> <p><input type="checkbox"/> Approve Issuance <input type="checkbox"/> Deny Issuance</p>	<p>_____</p> <p>Date</p>	<p>_____</p> <p>Kerry Kernen, MPA, MSN, RN Health Director</p>
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Definitions

Unless otherwise defined, or a different meaning is clearly required by context, the terms used in this permit shall be as defined in Lincoln-Lancaster County Air Pollution Control Program Regulations and Standards (LLCAPCPRS) Article 2, Section 1 (Definitions).

Abbreviations, Symbols, and Units of Measure

Abbreviations, symbols, and units of measure used in this permit shall be as follows:

AP-42	Compilation of Air Pollutant Emission Factors, Volume I, Stationary Point and Area Sources	NAAQS	National Ambient Air Quality Standards
BACT	Best Available Control Technology	NESHAP	National Emission Standards for Hazardous Air Pollutants
bhp	Brake horsepower	NO ₂	Nitrogen dioxide
BMP	Best Management Practice	NO _x	Nitrogen oxides
Btu	British thermal unit	NSPS	New Source Performance Standard
bu	Bushel	NSR	New Source Review
CAA	Clean Air Act	PAL	Plant-wide applicability limit
CDT/CST	Central Daylight Time/Central Standard Time	Pb	Lead (chemical abbreviation)
CE	Control equipment	PEMS	Predictive Emissions Monitoring System
CEM	Continuous emissions monitor	PM	Particulate matter
CEMS	Continuous emissions monitoring system	PM ₁₀	Particulate matter with and aerodynamic diameter equal to or less than 10 microns
cf or ft ³	Cubic feet	PM _{2.5}	Particulate matter with and aerodynamic diameter equal to or less than 2.5 microns
CFR	Code of Federal Regulations	ppb	Parts per billion
CO	Carbon monoxide	ppm	Parts per million
CO ₂	Carbon dioxide	ppmv	Parts per million by volume
CO ₂ e	CO ₂ equivalent	ppmvd	Parts per million by volume, dry basis
C.P.	Construction permit	PSD	Prevention of Significant Deterioration of Air Quality
CPMS	Continuous Parametric Monitoring System	PTE	Potential to emit
dscf	Dry standard cubic feet	RVP	Reid vapor pressure
dscfm	Dry standard cubic feet per minute	RATA	Relative Accuracy Test Audit
EMIS	Emergency Management Information System	RMP	Risk Management Plan
EP	Emission point	RTO	Regenerative thermal oxidizer
ESP	Electrostatic precipitator	§	Section
EU	Emission unit	scf	Standard cubic feet
FID#	Facility Identification Number	SDS	Safety Data Sheet
FDCP	Fugitive dust control plan	SIC	Standard Industrial Classification
FGR	Flue gas recirculation	SIP	State Implementation Plan
FIP	Federal Implementation Plan	SO ₂	Sulfur dioxide
FR	Federal Register	SO _x	Sulfur oxides
ft	Feet	TDS	Total dissolved solids
FTIR	Fourier Transform Infrared	TO	Thermal oxidizer
GHGs	Greenhouse gases	TO/HRSG	Thermal oxidizer with heat recovery steam generator
gpm	gallons per minute	tpy	Tons per year
H ₂ S	Hydrogen sulfide	TRS	Total reduced sulfur
HAP	Hazardous air pollutant	TSP	Total suspended particulate matter
hp	Horsepower	ULNB	Ultra low-NO _x burner
hr	Hour	ULSD	Ultra low-sulfur diesel (maximum sulfur content of 15 ppm)
kW	Kilowatt	UST	Underground storage tank
kWh	Kilowatt-hour	US EPA	United States Environmental Protection Agency
lb	Pound	UTM	Universal Transverse Mercator
LDAR	Leak detection and repair	VHAP	Volatile hazardous air pollutant
LLCAPPRS	Lincoln-Lancaster County Air Pollution Control Program Regulations and Standards	VMT	Vehicle miles traveled
LLCHD	Lincoln-Lancaster County Health Department	VOC	Volatile organic compound
LNB	Low-NO _x burner		
MACT	Maximum Achievable Control Technology		
Mgal	One thousand gallons		
MMBtu	One million British thermal units		
MMscf	One million standard cubic feet		
MW	Megawatt		

Description of Permitting Action

The Lincoln Electric System Terry Bundy Generating Station (hereinafter referred to as ‘LES TBGS’ or ‘the source’) submitted an application on March 2, 2026, to modify Construction Permit (CP) #152 issued on November 21, 2012 for the installation and operation of three (3) Reciprocating Internal Combustion Engine (RICE) landfill gas fueled generators.

This construction permit modification, which will be issued as CP26-152A, will modify the mode of operation of the three generator engines to combust natural gas rather than landfill gas, as the source of landfill gas will become unavailable to LES TBGS later this year.

This permit revision will be processed as a ‘significant permit modification’ in accordance with Article 2, Section 15 of the Lincoln-Lancaster County Air Pollution Control Program Regulation and Standards (LLCAPCRS) as Condition XXXI paragraph (A)(2) of CP #152 requires that “the owner/operator shall only combust landfill gas (LFG) in the engines. The use of any other fuel shall require a significant modification of this permit”.

Refer to the “Statement of Basis” that accompanies the issuance of this permit for further discussion and more information on this permit modification.

Permitted Emission Units

This permit allows the owner/operator to construct/reconstruct/modify the following emission units:

Emission Unit	SCC Code	Emission Point Description	Emission Segment Description
12-1	2-01-008-02	Generator Engine #1	Natural Gas
13-1	2-01-008-02	Generator Engine #2	Natural Gas
14-1	2-01-008-02	Generator Engine #3	Natural Gas

Permitted Source

The Lincoln Electric System (LES) Terry Bundy Generating Station, located at 7707 Bluff Road, Lincoln, Nebraska, is an electricity generating station. The following emission units constitute the Permitted Source, and are additional units at this source that are not Permitted Emission Units under this permit, but the emissions from which are included in the facility-wide limits on HAP emissions:

Emission Unit	SCC Code	Emission Point Description	Emission Segment Description
1-1	2-01-002-01	45.0 MW, 439.0 MMBtu/hr CT – Unit 3 Bypass Stack	Natural Gas
1-2	2-01-001-01	45.0 MW, 439.0 MMBtu/hr CT – Unit 3 Bypass Stack	No. 2 Fuel Oil
2-1	2-01-002-01	45.0 MW, 439.0 MMBtu/hr CT & 22 MMBtu/hr Duct Burner – Unit 3 Main Stack	Natural Gas
2-2	2-01-001-01	45.0 MW, 439.0 MMBtu/hr CT & 22 MMBtu/hr Duct Burner – Unit 3 Main Stack	No. 2 Fuel Oil
3-1	2-01-002-01	45.0 MW, 439.0 MMBtu/hr CT – Unit 2 Bypass Stack	Natural Gas
3-2	2-01-001-01	45.0 MW, 439.0 MMBtu/hr CT – Unit 2 Bypass Stack	No. 2 Fuel Oil
4-1	2-01-002-01	45.0 MW, 439.0 MMBtu/hr CT & 22 MMBtu/hr Duct Burner – Unit 2 Main Stack	Natural Gas
4-2	2-01-001-01	45.0 MW, 439.0 MMBtu/hr CT & 22 MMBtu/hr Duct Burner – Unit 2 Main Stack	No. 2 Fuel Oil
5-1	2-01-002-01	45.0 MW, 439.0 MMBtu/hr CT – Unit 4 Main Stack	Natural Gas
6-1	1-01-006-02	44.0 MMBtu/hr Auxiliary Boiler	Natural Gas

7-1	1-01-006-02	44.0 MMBtu/hr Auxiliary Boiler	Natural Gas
8-1	2-01-001-02	1.75 MW IC Engine (Black Start Unit)	No. 2 Fuel Oil
COOL1&2	3-85-001-01	Forced Draft Cooling Towers	Process Cooling – Mechanical Draft
COOL3&4	3-85-001-01	Forced Draft Cooling Towers	Process Cooling – Mechanical Draft
9-1	NA	3.0 MMBtu/hr Gas Heater	Natural Gas
11-1	20100201	45.0 MW, 439.0 MMBtu/hr CT – Unit 4 Bypass Stack	Natural Gas
11-2	20100101	45.0 MW, 439.0 MMBtu/hr CT – Unit 4 Bypass Stack	No. 2 Fuel Oil

Applicable Local Regulations for Construction Permit Issuance

This Construction Permit is being issued in accordance with the applicable provisions of Article 2, Sections 14, 15, and 17 of the Lincoln-Lancaster County Air Pollution Control Program Regulations and Standards (LLCAPPRS), as well as all other applicable provisions of the LLCAPPRS. Issuance of this permit allows for installation of the Permitted Emission Units provided above. Compliance with this permit shall not be a defense against any enforcement action for violation(s) of an ambient air quality standard.

Emission Unit Regulatory Classification

- The owner/operator has agreed to limit maximum potential emissions of carbon monoxide (CO) to such levels that this construction/reconstruction/modification is not subject to the prevention of significant deterioration of air quality (PSD) requirements set forth under LLCAPPRS Article 2, Section 19, as well as 40 CFR Part 52, §52.21.
- The maximum potential emissions of the greatest individual hazardous air pollutant (HAP) are such that this construction/reconstruction/modification is subject to the ‘toxics best available control technology’ (T-BACT) requirements set forth under LLCAPPRS Article 2, Section 27, paragraph (B). For the purpose of this permit, the owner/operator has agreed to apply BACT for the control of formaldehyde, which is the greatest individual HAP emitted from the new emission units.
- This permit allows for construction/reconstruction/modification of units that will be subject to the following applicable New Source Performance Standards (NSPS) in Title 40, Part 60 of the Code of Federal Regulations (40 CFR 60):
 - Subpart A: General Provisions
 - Subpart JJJ: New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines
- This permit allows for construction/reconstruction/modification of units that will be subject to the following applicable National Emissions Standards for Hazardous Air Pollutants (NESHAP) in Title 40, Part 63 of the Code of Federal Regulations (40 CFR 63):
 - Subpart A: General Provisions
 - Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Public Participation

Pursuant to Article 2, Section 14, paragraph (A) of the LLCAPPRS, construction permits are subject to the public participation requirements set forth in Section 14. The public has been notified by prominent advertisement of this permit for operation of an air contaminant source, and the thirty (30) day period allowed for comments has elapsed, and all comments received (if any) have been addressed. In

accordance with Article 2, Section 14, paragraph (H), if any comments were received during the public comment period, a record of those comments, along with the Department’s response to those comments has been made a part of the official permit record, and is available, upon request, to the public.

Permitting Authority

The permitting authority for this project is the Air Quality Section in the Environmental Public Health Division of the Lincoln-Lancaster County Health Department (LLCHD). All documents related to applications for permits to construct/reconstruct/modify or operate any emissions unit or source shall be submitted to the LLCHD at the following address.

Lincoln-Lancaster County Health Department
% Air Quality Section
3131 ‘O’ Street
Lincoln, NE 68510

Compliance Authorities

- All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the following:

Lincoln-Lancaster County Health Department
% Air Quality Section
3131 ‘O’ Street
Lincoln, NE 68510
- If required or requested by the EPA, the owner/operator shall submit reports, tests, and/or notifications to the following:

US EPA Region 7
ECAD/AB–Nebraska Air Compliance Coordinator
11201 Renner Blvd.
Lenexa, KS 66219
- If required to submit electronic reports to the US EPA by regulations applicable to the owner/operator, such reports shall be submitted via the ‘Compliance and Emissions Data Reporting Interface’ (CEDRI) which can be accessed through the US EPA’s Central Data Exchange (CDX) (<https://cdx.epa.gov>), or through the appropriate submittal interface/site as specified in the underlying regulation or requirement. The owner/operator shall provide a copy to the LLCHD by mailing a hard copy to the address provided above, or sending a copy via email to air@lincoln.ne.gov.

PERMIT CONDITIONS BEGIN ON FOLLOWING PAGE

Regulations

- I. Applicable and Non-Applicable Regulations & Requirements.
 - (A) The following Lincoln-Lancaster County Air Pollution Control Program Regulations and Standards (LLCAPCPRS) are applicable requirements of this construction permit:

Table 1-A: Applicable Regulations of the LLCAPCPRS

Article 1: Administration and Enforcement	
§1	Intent
§2	Unlawful Acts – Permits Required
§3	Violations – Hearings – Orders
§4	Appeal Procedure
§5	Variance
§6	Fees
§7	Compliance – Actions to Enforce – Penalties for Non-Compliance
§8	Procedure for Abatement
§9	Severability
Article 2: Regulations and Standards	
§1	Definitions
§2	Major Sources – Defined
§4	Ambient Air Quality Standards
§6	Emissions Reporting – When Required
§14	Permits – Public Participation
§15	Permit Modifications – Reopening for Cause
§16	Stack Heights – Good Engineering Practice
§17	Construction Permits – When Required
§18	New Source Performance Standards
§19	Prevention of Significant Deterioration of Air Quality
§20	Particulate Limitations and Standards
§23	National Emission Standards for Hazardous Air Pollutants (NESHAPs)
§26	Acid Rain
§27	Hazardous Air Pollutants – Maximum Achievable Control Technology (MACT)
§29	Operating and Construction Permit Emission Fees
§32	Duty to Prevent Escape of Visible Airborne Dust
§33	Time Schedule for Compliance
§34	Emission Source Testing and Monitoring
§35	Compliance – Exceptions Due to Startup, Shutdown, or Malfunction
§36	Control Regulation Circumvention – When Excepted
§37	Compliance – Responsibility of Owner/Operator Pending Review by Director
§38	Emergency Episodes – Occurrence, Control, and Contingency Plans
Appendices	
I	Emergency Emission Reduction Regulations
II	Hazardous Air Pollutants sorted by Pollutant Name
III	Hazardous Air Pollutants sorted by CAS Number

- (B) The following Federal Regulations are applicable requirements of this permit, including those not currently delegated to the LLCHD or not yet included in the LLCAPCPRS:

Table 1-B: Applicable Federal Regulations

40 CFR Part 60: New Source Performance Standards (NSPS)	
<i>Subpart</i>	<i>Subpart Subject</i>
A	General Provisions
JJJJ	Stationary Spark Ignition Internal Combustion Engines (SI ICE)
40 CFR Part 63: National Emission Standards for Hazardous Air Pollutants for Source Categories (Source Category NESHAPs)	
<i>Subpart</i>	<i>Subpart Subject</i>
A	General Provisions
ZZZZ	Source Category for Stationary Reciprocating Internal Combustion Engines (RICE)

- (C) The following local ordinances/resolutions are requirements of this permit:
- (1) For sources located in the City of Lincoln, Nebraska, or in the 3-mile extraterritorial jurisdiction surrounding the corporate limits of the City of Lincoln, the following ordinance shall apply:

Table 1-C1: Applicable Lincoln Municipal Code (LMC) Chapter(s)

Chapter	Chapter Title
8.06	Air Pollution

- (2) For sources located in Lancaster County, Nebraska but outside of the 3-mile extra territorial jurisdiction surrounding the corporate limits of the City of Lincoln, Nebraska, the following resolution shall apply:

Table 1-C2: Applicable Lancaster County Resolution(s)

Resolution #	Resolution Title
R-13-0073	Lancaster County Air Pollution Control Resolution

- (D) The 'Prevention of Significant Deterioration of Air Quality' regulation(s) set forth under Title 129 of the Nebraska Administrative Code (Nebraska Air Quality Regulations) does not apply to this permitting action.

General Conditions

- II. In accordance with LLCAPCPRS Article 1, Section 1, holding of this permit does not relieve the owner/operator from the responsibility to comply with all applicable portions of the LLCAPCPRS and any other requirements under Local, State, or Federal law. Compliance with this permit shall not be a defense to any enforcement action for violation of an ambient air quality standard.
- III. In accordance with LLCAPCPRS Article 1, Section 2, paragraph (C), it is unlawful to:
 - (A) Construct or operate an air pollution source without first obtaining a permit required under the LLCAPCPRS;
 - (B) Violate any term or condition of an air pollution permit or any emission limit set in the permit; or
 - (C) Violate any emission limit or standard established in the LLCAPCPRS.
- IV. Violations, hearings, and orders shall be conducted in accordance with LLCAPCPRS Article 1, Section 3, paragraphs (A) through (E).
- V. Appeals shall be conducted in accordance with LLCAPCPRS Article 1, Section 4, paragraphs (A) through (I).
- VI. In accordance with LLCAPCPRS Article 1, Section 5 (Variance), any person who owns or is in control of any plant, building, structure, process, or equipment may apply to the Director for a

variance from rules or regulations. Any person who is applying for, or has obtained a variance must comply with all applicable requirements of paragraphs (A) through (I).

- VII. The following provisions of LLCAPCPRS Article 1, Section 6 (Fees) are requirements of this permit:
- (A) Paragraph (A) – Annual Emission Fees: In accordance with paragraph (A)(1) of LLCAPCPRS Article 1, Section 6 (Fees), any person who owns or operates a source as defined in Article 2, Section 1 of the LLCAPCPRS and is required to obtain a Class I or Class II operating permit in accordance with Article 2, Section 5 of the LLCAPCPRS, or is required to obtain a construction permit in accordance with Article 2, Section 17 of the LLCAPCPRS, must pay annual emission fees in accordance with all applicable provisions set forth under Article 1, Section 6, paragraph (A) of the LLCAPCPRS.
 - (B) Paragraph (D) – In accordance with paragraph (D)(1) of Section 6, any person or source required to obtain a construction permit under Article 2, Section 17 (with the exception of a construction permit obtained in accordance with Article 2, Section 17, paragraph (O)) shall pay a permit fee for activities included under paragraphs (D)(1)(a-e) of Section 6. The permit fee shall be charged at the rate specified in paragraph (D)(1) of Section 6. Any person required to submit fees pursuant to Section 6 shall submit the fees to the Director by check or other authorized transfer payable to the Lincoln-Lancaster County Health Department. The fees shall be due and payable within thirty (30) days after issuance of the permit.
 - (C) Paragraph (H) – All fees provided for herein must be payable to the Lincoln-Lancaster County Health Department. All money collected shall be deposited with the City Treasurer’s Office and credited to Fund 145 Title V Clean Air Fund.
- VIII. The following provisions of LLCAPCPRS Article 1, Section 7 (Compliance – Actions to Enforce – Penalties for Non-Compliance) are requirements of this permit:
- (A) In accordance with LLCAPCPRS Article 1, Section 7, paragraph (A), the County Attorney or Attorney General may institute enforcement proceedings pursuant to Neb. Rev. Stat., §81-1504(23) Neb. Rev. Stat. §81-1508(4), or Nebr. Rev. Stat. §81-1528(2) against any person who fails to comply with the requirements of the LLCAPCPRS. Nothing in air pollution control program shall preclude the control of air pollution by resolution, ordinance, or rule, regulation, or standard not in actual conflict with the state air pollution control regulations. (Ref: Neb. Rev. Stat. §71-1631(15))
 - (B) Any person who fails to comply with the requirements of the LLCAPCPRS or who fails to perform any duty imposed by the LLCAPCPRS shall be subject to a civil penalty in accordance with LLCAPCPRS Article 1, Section 7, paragraph (B).
 - (C) Any person who knowingly and willfully fails to comply with the requirements of the LLCAPCPRS or who knowingly and willfully fails to perform any duty imposed by the LLCAPCPRS shall be subject to felony prosecution under Neb. Rev. Stat. §81-1508(f) including a fine in accordance with LLCAPCPRS Article 1, Section 7, paragraph (C), and up to a maximum six month term of imprisonment.
 - (D) Enforcement proceedings may include injunctive relief in court to restrain any violation that creates an imminent and substantial endangerment to the public health or to the environment.

- IX. In accordance with LLCAPCPRS Article 1, Section 8 (Procedure for Abatement), if the Director has determined a violation of the Air Pollution Control Program after any hearing required hereunder or if the Director has probable cause to believe a violation has occurred, the Director shall refer the matter to the County Attorney.
- X. In accordance with LLCAPCPRS Article 1, Section 9 (Severability), if any clause, paragraph, subsection or section of the Air Pollution Control Program shall be held invalid, it shall be conclusively presumed that the City and County would have enacted the remainder of the Air Pollution Control Program not directly related to such clause, paragraph, subsection or section.
- XI. The owner/operator shall maintain compliance with the requirements set forth in LLCAPCPRS Article 2, Section 4 (Ambient Air Quality Standards). If applicable, the following conditions apply to the verification of NAAQS modeling analysis:
- (A) The stack dimensions of the emission points identified in the air dispersion modeling analysis shall be constructed such that the reliability of the air dispersion modeling analysis associated with the permit application is maintained. A site survey or similar documentation containing the as-built stack dimensions, shall be maintained on-site and kept for the life of the source. If the as-built stack dimensions do not meet the criteria used in air dispersion modeling analysis, the permittee shall notify the LLCHD prior to start-up of any emission unit associated with a stack not meeting the above criteria and, if requested by the LLCHD, submit a revised air dispersion modeling analysis to the LLCHD to ensure that the source will not interfere with the attainment or maintenance of the ambient air quality standards in Article 2, Section 4 of the LLCAPCPRS.
 - (B) The source shall sufficiently restrict public access to the source at the ambient air boundary relied upon in the air dispersion modeling analysis for the NAAQS compliance demonstration. A site survey, or similar documentation containing the locations of the boundary vertices, shall be maintained on-site and kept for the life of the source. If the boundary dimensions do not comply with the boundary information in the air dispersion model (plus or minus 25 meters), the permittee shall notify the LLCHD prior to start-up of any emission unit and, if requested, submit a revised air dispersion modeling analysis to the LLCHD to ensure that the source will not interfere with the attainment or maintenance of the ambient air quality standards in Article 2, Section 4 of the LLCAPCPRS.
- XII. The following provisions of LLCAPCPRS Article 2, Section 6 (Emissions Reporting – When Required) are requirements of this permit:
- (A) Paragraph (A) – The owner/operator must complete and submit to the Department an annual emissions inventory on forms furnished by or acceptable to the Department by March 31 of each year. The inventory must include all emissions associated with the Permitted Emission Units. The inventory form must be certified in accordance with LLCAPCPRS Article 2, Section 7, paragraph (H).
 - (B) Paragraph (B) – The annual emissions inventory shall include the information set forth under paragraphs (B)(1-3) of Section 6.
 - (C) Paragraph (C) – Actual emissions shall be calculated using the methods and procedures set forth under paragraphs C(1-9) of Section 6.
 - (D) Paragraph (D) – Except as otherwise provided in paragraph (C) above, any other test methods and procedures for use in determining actual emissions must be approved by the LLCHD.

- XIII. The following provisions of LLCAPCPRS Article 2, Section 15 (Permit Modifications – Reopening For Cause) are requirements of this permit:
- (A) Paragraph (A) – The owner/operator may request the LLCHD to make an administrative permit amendment in writing by specifying the section of the permit that is to be changed and the reason for the change. The source may implement the changes addressed in the request immediately upon submittal of the request, subject to the Department’s final action on the request. Administrative permit amendments include any permit revision that meet the criteria established in paragraphs (A)(1)(a)-(d) of Section 15.
 - (B) Paragraph (C) – The owner/operator may request a minor permit modification consistent with the procedures set forth under paragraph (C) of Section 15, provided that the modification meets the criteria established in paragraphs (C)(1)(a)-(g) of Section 15.
 - (C) Paragraph (E) – Any modification not meeting the administrative permit amendment criteria in paragraph (A) of Section 15, and/or the minor permit modification criteria in paragraph (C) of Section 15 shall be processed in accordance with the provisions for a significant permit modification established in paragraphs (E)(1)-(5) of Section 15.
 - (D) Paragraph (F)(1) – Conditions under which this permit may be reopened, revoked and reissued, or terminated during its term for cause, include but are not limited to:
 - (1) Additional applicable requirements under the Act or the LLCAPCPRS, which become applicable to this source with a remaining permit term of three (3) or more years. Such reopening shall be completed no later than eighteen (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 the permit is due to expire, unless the original permit or any of its terms and conditions have been extended;
 - (2) Additional requirements, including excess emissions requirements that become applicable to an affected source under the acid rain program under Title IV of the Act;
 - (3) The Administrator determines that the permit must be revoked or reissued to assure compliance with the applicable requirements;
 - (4) The Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of the permit; and
 - (5) The Administrator determines that an applicable requirement or applicable requirement under the Act applies which was not identified by the owner/operator in its application.
 - (E) Paragraph (F)(2) – A permit may be revoked during its term for cause, including but not limited to:
 - (1) The existence at the facility of unresolved noncompliance with applicable requirements or a term or condition of the permit, and refusal of the owner/operator to agree to an enforceable schedule of compliance to resolve the noncompliance;
 - (2) The owner/operator has falsely certified or submitted false, incomplete, or misleading information to the Department or EPA;
 - (3) The LLCHD determines that the permitted facility or activity endangers human health or the environment and that the danger cannot be removed by a modification of the permit; or

- (4) The owner/operator has failed to pay a penalty owed pursuant to court order, stipulation and agreement, or order issued by the Administrator.
 - (F) Paragraph (G) – The owner/operator may make changes to a permitted facility without a permit revision if the change is not a modification under LLCAPCPRS Article 2, Sections 18, 23, 27, or 28, the change does not require a construction permit under LLCAPCPRS Article 2, Sections 17 or 19, and the change is allowed under the applicable provisions of paragraphs (G)(1) or (G)(2) of Section 15.
 - (G) Paragraph (H) – No permit revisions shall be required under any State-approved programs providing for economic incentives, marketable permits, emissions trading or other similar programs or processed for changes that are provided for in the permit.
- XIV. In accordance with paragraph (A) of LLCAPCPRS Article 2, Section 16 (Stack Heights – Good Engineering Practice), the degree of emissions limitation required of any source for control of any air pollutant shall not be affected by so much of any source’s stack height that exceeds good engineering practice or by any other dispersion technique, except as provided in paragraph (B) of Section 16.
- XV. The following provisions of LLCAPCPRS Article 2, Section 17 (Construction Permits – When Required) are requirements of this permit:
- (A) Paragraph (A) – No person shall cause the construction, reconstruction, or modification of any of the items specified in Article 2, Section 17 of the LLCAPCPRS without first having obtained a construction permit from the Department in the manner prescribed by the LLCAPCPRS.
 - (B) Paragraph (K) – Approval, by issuance of a permit for any construction, reconstruction, or modification, does not relieve the owner/operator from his or her responsibility to comply with the applicable portions of the Implementation Plan control strategy. The permittee must comply with all conditions of the construction permit. Any permit noncompliance shall constitute a violation of the LLCAPCPRS and the Act and is grounds for enforcement action or permit revocation.
 - (C) Paragraph (L) – If construction, reconstruction, or modification of the source is not commenced within eighteen (18) months, the construction permit shall lapse except upon showing by the permittee that the complexity of the construction, reconstruction, or modification requires additional time.
 - (D) Paragraph (N) – The owner/operator may request modification of a construction permit pursuant to the applicable provisions set forth in paragraph (N) of Section 17.
 - (E) Paragraph (R) – For each permit issued pursuant to the provisions of Section 17, the owner/operator must place a copy of the permit and of the letter of transmittal on file at the location of the source no later than fourteen (14) calendar days after the date of the letter of transmittal or upon the actual start-up of the constructed/reconstructed/modified source, whichever occurs first. A copy of the permit must also be placed on file at the owner’s or operator’s main or corporate office no later than thirty (30) calendar days after the date of the letter of transmittal.
- XVI. The owner/operator shall comply with all regulations set forth in LLCAPCPRS Article 2, Section 18 (New Source Performance Standards and Emission Limits for Existing Sources) determined to be applicable to the source. The owner/operator shall comply with all requirements of the test methods set forth in 40 CFR Part 60, as they apply to any compliance demonstrations required by this permit.

- XVII. The following provisions of LLCAPCPRS Article 2, Section 20 (Particulate Limitations and Standards) are requirements of this permit:
- (A) Paragraph (A) – The owner/operator shall limit the emissions of particulates from any processing machine, equipment, device or other articles, or any combination thereof to no greater than the amounts set forth in Table 20-2 of Section 20 during any one (1) hour.
 - (B) Paragraph (B) – The owner/operator shall limit the emissions of particulate matter caused by the combustion of fuel in accordance with the limits set forth in Table 20-1 of Section 20, as they apply based on heat input rating.
 - (C) Paragraph (E) – The owner/operator shall not cause or allow emissions from any emission point that are of opacity equal to or greater than twenty percent (20%), as evaluated by Method 9 in Appendix A of 40 CFR 60, or recorded by a continuous opacity monitoring system operated and maintained pursuant to 40 CFR Part 60 Appendix B, except as provided for in paragraph (D) of this condition.
 - (D) Paragraph (F) – Emission sources subject to monitoring requirements of Article 2, Section 34, paragraph (E) of LLCAPCPRS are allowed to have one six-minute period per hour of not more than twenty-seven percent (27%) opacity. For the purpose of this permit, this exception applies to any unit equipped with a continuous opacity monitoring system (COMS) installed, calibrated, and operated in accordance with the procedures specified in 40 CFR Part 60 Appendix B.
- XVIII. The owner/operator shall comply with regulations set forth in LLCAPCPRS Article 2, Section 23 (National Emission Standards for Hazardous Air Pollutants (NESHAPs)), if any are determined to be applicable to the Permitted Emission Units. The owner/operator shall comply with all requirements of the test methods set forth in 40 CFR Part 61, as they apply to any compliance demonstrations required by this permit.
- XIX. The following provisions of LLCAPCPRS Article 2, Section 32 (Duty to Prevent Escape of Visible Airborne Dust) are requirements of this permit:
- (A) Paragraph (A) – The source may not cause or permit fugitive particulate matter to become airborne in such quantities and concentrations that it remains visible in the ambient air beyond the premise where it originates.
 - (B) Paragraph (B) – The source may not cause or permit a road, driveway, or open area to be used without applying all such reasonable measures to prevent particulate matter from becoming airborne so that it remains visible beyond the premises where it originates. Such reasonable measures include but are not limited to: paving or frequent cleaning of roads, driveways, and parking lots; application of water or chemical dust suppressants; and the planting and maintenance of vegetative ground cover.
- XX. The following provisions of LLCAPCPRS Article 2, Section 33 (Time Schedule for Compliance) are requirements of this permit:
- (A) Paragraph (A) – Except as otherwise noted in specific emission control regulations, compliance with the LLCAPCPRS shall be according to the schedule provided under paragraphs (A)(1)-(3) of Section 33.
 - (B) Paragraph (B) – Compliance schedules requiring more than twelve (12) months to conform with applicable rules and regulations to meet National Primary and Secondary Ambient Air Quality Standards will be accomplished in progressive steps. A report will be made in writing to the LLCHD within five (5) days after each step is completed.

- (C) Paragraph (C) – Failure to meet time schedules approved in accordance with paragraphs (A)(1)-(2) of Section 33 shall constitute a violation of the LLCAPCPRS unless a request to amend the time schedule is received at least thirty (30) days before the end of any specified period approved for a particular activity. Such a request to amend the schedule shall contain the same type of information as required for the initial request for variance as described in paragraph (A)(3) of Section 33.

XXI. The following provisions of LLCAPCPRS Article 2, Section 34 (Emission Source Testing and Monitoring) are requirements of this permit:

- (A) Paragraph (A) – The Department may require any person responsible for the operation of an emission source to make or have tests made to determine the rate of contaminant emissions from the source whenever it has reason to believe, on the basis of estimates of potential contaminant emissions rates from the source and due consideration of probable efficiency of any existing control device, or visible emission determinations made by an official observer, that existing emissions exceed the limitations required in the LLCAPCPRS. Such tests may also be required pursuant to verifying that any newly installed control device meets performance specifications. Should the Department determine that the test did not represent normal operating conditions or emissions, additional tests may be required. Such a requirement shall be considered as an order and subject to all administrative and legal requirements specified.
- (B) Paragraph (B) – Required tests shall be conducted in accordance the test methods and procedures established in paragraphs (B)(1)-(6) of Section 34. A written copy of the test results, certified for completeness and accuracy and signed by the person conducting the test, shall be provided to the Department within sixty (60) days of completion of the test unless a different period is specified in the underlying requirements of an applicable federal rule.
- (C) Paragraph (C) – The owner or operator of a source shall provide notice to the Department at least thirty (30) days prior to testing to afford the Department an opportunity to have an observer present. The Department may, in writing, approve a notice of less than thirty (30) days. If the testing is pursuant to an underlying requirement contained in a federal rule, the notice provisions of the underlying requirement shall apply.
- (D) Paragraph (D) – The Department may conduct tests of emissions of contaminants from any stationary source.
 - (1) Upon written request from the Department, the person responsible for the source to be tested shall cooperate with the Department in providing all necessary test ports in stacks or ducts and such other safe and proper facilities, exclusive of instruments and sensing devices, as may be reasonably required to conduct the test with due regard being given to expenditures and possible disruption of normal operations of the source.
 - (2) A report concerning the findings of such tests shall be furnished to the person responsible for the source upon request.
- (E) Paragraph (F) – The LLCHD may require the owner or operator of any other emission source which is subject to the provisions of these regulations to install, use and maintain such stationary monitoring equipment as is required to demonstrate continuing compliance with any applicable emissions limitations, and to maintain records and make reports regarding such measured emissions to the Department in a manner and on a schedule to be determined by the LLCHD.

- (F) Paragraph (G) – When a new or modified stationary source becomes operational, the owner or operator will submit a written report of performance tests (if required) to the LLCHD within sixty (60) days after reaching maximum capacity but not later than one hundred eighty (180) days after the startup of operations. Failure to meet established performance standards will result in withdrawal of the provisional approval granted to operate the new or modified stationary source. Final approval and issuance of an operating permit will be withheld for operation of the affected facility until such time as the owner or operator has corrected the deficiencies determined by the performance tests. Upon satisfactory accomplishment of a valid series of performance tests, approval for operation of the new or modified stationary source will be granted through issuance of an operating permit in accordance with Article 2, Section 5.
- (G) Paragraph (H) – Notwithstanding any other provisions of LLCAPCPRS, the following methods may be used to determine compliance with applicable requirements:
 - (1) A monitoring method approved for the source and incorporated in an operating permit pursuant to LLCAPCPRS Article 2, Section 8;
 - (2) Any compliance test method specified in the State Implementation Plan (SIP);
 - (3) Any test or monitoring method approved for the source in a permit issued pursuant to LLCAPCPRS Article 2, Sections 17, 19, or 27;
 - (4) Any test or monitoring method provided for in the LLCAPCPRS; or
 - (5) Any other test, monitoring, or information gathering method that produces information comparable to that produced by any method described in paragraphs (1) through (4) of this condition.
 - (6) Paragraph (I) – Where allowed by the Department, the owner or operator of any PEMS used to meet a pollutant monitoring requirement must comply with all applicable provisions set forth in paragraphs (I)(1-6) of Section 34. Owners/operators of PEMS shall apply for approval of a PEMS system in accordance with paragraph (J) of Section 34 and shall also comply with all applicable provisions set forth in paragraphs (K)-(O) of Section 34.

XXII. The following provisions of LLCAPCPRS Article 2, Section 35 (Compliance – Exceptions Due to Startup, Shutdown, or Malfunction) are requirements of this permit:

- (A) Paragraph (A) – Upon receipt of a notice of excess emissions issued by the Department, the owner/operator may provide information showing that the excess emissions were the result of a malfunction, start-up, or shutdown.
- (B) Paragraph (B) – The information provided by the source operator under paragraph (A) of this condition shall include, at a minimum, the information specified in paragraphs (B)(1)-(9) of Section 35.
- (C) Paragraph (C) – The owner/operator shall submit the information specified in paragraph (B) of this condition no later than fifteen (15) days after receipt of the notice of excess emissions.
- (D) Paragraph (D) – The owner/operator shall notify the Director, in writing, whenever a planned start-up or shut down may result in excess emissions. This notice shall be mailed, no later than ten (10) days prior to such action and shall include, but not be limited to, the information specified in paragraphs (D)(1)-(10) of Section 35.
- (E) Paragraph (E) – The owner/operator shall notify the Director, in writing, whenever emissions due to malfunctions, unplanned shutdowns or ensuing start-ups are, or may be, in excess of applicable emission control regulations for one hour or more. Such

notification shall be mailed within forty-eight (48) hours of the beginning of each period of excess emissions and shall include, but not be limited to, the information required in paragraph (D) of Section 35.

- XXIII. The following provisions of LLCAPCPRS Article 2, Section 36 (Control Regulation Circumvention – When Excepted) are requirements of this permit:
- (A) Paragraph (A) – No person shall cause or permit the installation or use of any machine, equipment, device, or other article, or alter any process in any manner which conceals or dilutes the emissions of contaminants without resulting in a reduction of the total amounts of contaminants emitted.
 - (B) Paragraph (B) – Exception to paragraph (A) above may be granted by the LLCHD, upon request, provided that such action is intended to convert the physical or chemical nature of the contaminant emission and that failure to reduce total contaminant emissions results solely from the introduction of contaminants which are not deemed to be detrimental to the public interest.
- XXIV. In accordance with LLCAPCPRS Article 2, Section 37 (Compliance – Responsibility of Owner/ Operator Pending Review by Director), application for review of plans or advice furnished by the LLCHD will not relieve the owner or operator of a new or modified stationary source of legal compliance with any provision of the LLCAPCPRS, or prevent the Director from enforcing or implementing any provision of the LLCAPCPRS.
- XXV. In accordance with LLCAPCPRS Article 2, Section 38 (Emergency Episodes – Occurrence, Control and Contingency Plans), if and when the Director declares an air pollution emergency episode as defined in Section 38, the source shall perform all applicable Air Pollution Emergency Actions as required by LLCAPCPRS Appendix I, paragraphs 1.3 (a)(1) and 1.3 (b)(1)-(2) until the Director declares the air pollution episode terminated.
- XXVI. Requirements Established Pursuant to Department Authority. Pursuant to the authorities granted in Section 8.06.030 of the Lincoln Municipal Code (LMC 8.06.030 – Air Pollution, Director Powers and Duties), Section 4 of the Lancaster County Air Pollution Control Resolution (R-13-0073), and Neb. Rev. Stat. §81-1504, the following conditions are requirements of this permit:
- (A) Permits. This permit is not transferable to another location, unless otherwise specified in this permit. The LLCHD shall have the authority to issue, continue in effect, revoke, modify, or deny permits, under such conditions as the LLCHD may prescribe and consistent with the Clean Air Act and the LLCAPCPRS.
 - (B) Testing and Sampling. The owner/operator shall allow the LLCHD, US EPA, or an authorized representative to conduct tests and take samples of air contaminants, fuel, process materials, or any other substance which affects or may affect discharges or emissions of air contaminants from any source. The owner/operator shall submit air contaminant emission information in connection with such inspections, tests, and studies.
 - (C) Orders, Abatement, and Pollution Control. The LLCHD, US EPA, or an authorized representative shall have the authority to issue, modify, or revoke orders prohibiting or abating discharges of air pollutants, or requiring the construction of control systems or any parts thereof or the modification, extension, or adoption of other remedial measures to prevent, control, or abate air pollution.
 - (D) Inspection. The owner/operator shall allow the LLCHD, US EPA, or an authorized representative to enter and inspect or cause to be inspected, during reasonable hours,

any building, facility, or place (except a building designed for and used exclusively for a private residence) as the LLCHD deems necessary to determine compliance with the provisions of the LLCAPCPRS.

- (E) Record Keeping and Retention. The owner/operator shall allow the LLCHD, US EPA, or an authorized representative access to existing and available records relating to emissions or discharges, which cause or contribute to air pollution or the monitoring of such emissions or discharges. These records shall be readily accessible and made available for inspection upon request by the LLCHD, US EPA, or an authorized representative. For the purposes of this permit, the owner/operator shall retain records of all required monitoring data, reports, and support information required by this permit for a period of at least sixty (60) months from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. All records of required monitoring information shall include the following:
- (1) The date and place as defined in the permit, and time of sampling or measurements;
 - (2) The date(s) analyses were performed;
 - (3) The company or entity that performed the analyses;
 - (4) The analytical techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.

Specific Conditions

XXVII. Source-Wide Requirements. The requirements set forth under this condition are established pursuant to elections made by the owner/operator in the approved application, as well as authorities specified in Condition XXVI of this permit. This permit authorizes the owner/operator to operate three (3) spark-ignition reciprocating internal combustion engines with associated electric generators. These engines and their associated generators are designated as emission units 12-1 (Generator Engine #1), 13-1 (Generator Engine #2), and 14-1 (Generator Engine #3). Each engine is coupled to a 1,600 electric kilowatt (ekW) generator (nominal rating) for the generation of up to a total of 4.8 MW of electricity. The owner/operator shall install and operate emission units (EU) 12-1, 13-1, and 14-1 in accordance with the following requirements:

- (A) Operational Requirements.
- (1) Each engine and associated electric generator shall be operated and maintained in accordance with manufacturer specifications.
 - (2) The owner/operator shall operate the three engines in accordance with the following:
 - (a) Until such time that the supply of landfill gas to LES TBGS from the Bluff Road Landfill is ceased, LES TBGS shall continue to operate EU 12-1, 13-1, and 14-1 in accordance with the requirements set forth under CP #152 issued on November 21, 2012; and
 - (b) Upon completion of the conversion of the generator engines to operate exclusively on natural gas, LES TBGS shall operate EU 12-1, 13-1, and 14-1 in accordance with the requirements set forth in this permit.
 - (3) The owner/operator shall only combust natural gas in the generator engines. The use of any other fuel shall require a significant modification of this permit.

- (4) Each generator engine shall be equipped with an air-to-fuel ratio controller and ignition timing to maintain efficient fuel combustion.
 - (5) Each generator engine shall be equipped with a non-resettable elapsed time meter to indicate the elapsed engine operating time in cumulative hours.
 - (6) A gas flow meter that measures the aggregate flow of natural gas to the three generator engines shall be installed to monitor the aggregate flow rate.
 - (7) The owner/operator shall control emissions of carbon monoxide (CO) and formaldehyde (CH₂O) in accordance with the following:
 - (a) Each generator engine shall be equipped with an oxidation catalyst. The owner/operator shall install, operate, and maintain an oxidation catalyst for each generator engine, except as provided for in the following conditions:
 - (i) The owner/operator may operate each generator engine for up to 100 hours during each consecutive 12-month period without installing/operating an oxidation catalyst; and
 - (ii) The owner/operator is not required to operate a generator engine's associated oxidation catalyst during periods of start-up, shutdown, of the emission unit, or while conducting maintenance activities on the oxidation catalyst.
 - (b) Each oxidation catalyst shall be installed, operated, and maintained in accordance with manufacturer specifications.
 - (8) The owner/operator shall design the internal combustion engine exhaust stacks to accommodate adequate testing and sampling locations.
 - (9) The owner/operator shall calculate emissions of nitrogen oxides (NO_x), carbon monoxide (CO), formaldehyde (CH₂O) and volatile organic compounds (VOC) from the generators as follows:
 - (a) Until such time that performance data is available, the owner/operator shall calculate emissions using the emission factors provided in the approved application submitted March 2, 2026. An oxidation catalyst destruction and removal efficiency (DRE) of 40% for carbon monoxide (CO) and 77.4% for volatile organic compounds (VOC) will be applied to the emission factors during this period.
 - (b) The owner/operator shall calculate emissions using the emission factors determined during the performance testing required under paragraph (C)(1) of this condition, or the most recent performance test required under paragraph (C)(2) of this condition.
 - (10) The owner/operator shall calculate emissions of sulfur dioxide (SO₂), particulate matter less than 10 micrometers in diameter (PM₁₀), particulate matter less than 2.5 micrometers in diameter (PM_{2.5}), and total hazardous air pollutants (HAPs) using the emission factors provided in the approved application submitted March 2, 2026.
- (B) Emission Limits.
- (1) The owner/operator shall limit the combined emissions from the three generator engines during any consecutive 12-month period in accordance with the emission limits set forth in Table 27-B1 below:

Table 27-B1: Rolling 12-Month Emission Limits for Combined Natural Gas Generator Engine Emissions

Pollutant	Emission Limit
PM ₁₀	< 15.0 tons
PM _{2.5}	< 10.0 tons
NO _x	< 40.0 tons
SO ₂	< 40.0 tons
VOC	< 40.0 tons
CO	≤ 99.0 tons

- (2) The owner/operator shall limit the emissions of hazardous air pollutants from the Permitted Source during any consecutive 12-month period in accordance with the emission limits set forth in Table A-2 below:

Table 27-B2: Source-Wide Rolling 12-Month Emission Limits for Hazardous Air Pollutants

Pollutant	Emission Limit
Any Individual Hazardous Air Pollutant	< 10.0 tons
Total Combined Hazardous Air Pollutants	< 25.0 tons

- (3) Emission rates for NO_x, CO, and VOC associated with the three generator engines shall not exceed the values set forth in Table 28-B of Condition XXVIII(B) of this permit.
- (4) The owner/operator shall maintain compliance with all particulate emission limits set forth in Condition XVII of this permit.

(C) Emission Testing Requirements.

- (1) Within 180 days of completing conversion of the generator engines to operate exclusively on natural gas, the owner/operator shall conduct performance testing to establish emission factors for carbon monoxide (CO) and formaldehyde (CH₂O). The carbon monoxide (CO) emission factor shall be determined at the outlet of the oxidation catalyst on each engine. The formaldehyde (CH₂O) emission factor shall be determined at the outlet of the oxidation catalyst on one engine. The formaldehyde (CH₂O) emission factor determined on one engine will be considered representative of formaldehyde (CH₂O) emissions at the outlet of the oxidation catalyst on all three engines. For the duration of all tests, the engines shall be operating at permitted capacity, which is defined as 90-100 percent (%) of the maximum operating rate established by the manufacturer. Performance testing shall be performed in accordance with the following reference methods as described in 40 CFR Part 60, Appendix A and 40 CFR Part 51, Appendix M.
- (a) EPA Test Method 10 – Determination of CO Emissions from Stationary Sources;
 - (b) EPA Test Method 18, 25, 25A, or 25C – Measurement of Gaseous Organic Compound Emissions;
 - (c) EPA Test Method 316, 320, or 323 – Measurement of formaldehyde;
 - (d) EPA Test Methods 1 through 4 shall be used as necessary to support other test methods. No other test methods may be used for compliance testing unless prior approval is granted by the Director.

- (2) Subsequent to completion of the initial performance tests, the owner/operator shall conduct periodic re-testing of the generator engines for carbon monoxide (CO). These performance tests shall be conducted every five years following the initial performance tests, or more frequently if required under Condition XXVIII(A) of this permit. The periodic re-testing must be conducted using the same procedures and test methods prescribed under paragraph XXVII(C)(1) of this condition. No other test methods may be used for compliance testing unless prior approval is granted by the Director.
 - (3) The owner/operator shall notify the Department of the intent to conduct performance tests no later than 30 days prior to the scheduled date of performance testing.
 - (4) The owner/operator shall report the results of all performance tests as required in paragraph (F)(2) of this condition.
- (D) Monitoring Requirements.
- (1) The owner/operator shall continuously measure the flow of natural gas to the three generator engines. A gas flow meter that measures the aggregate flow of natural gas to the three generator engines shall be used to monitor the aggregate flow rate.
 - (2) The owner/operator shall maintain rolling totals of combined emissions from the three generator engines in accordance with the following requirements:
 - (a) During the first eleven (11) months following initial start-up of any of the generators, the owner/operator shall perform the following:
 - (i) Within 14 days of the start of each calendar month, the owner/operator shall calculate the combined emissions of CO, VOC, and formaldehyde from all three generator engines during the previous calendar month.
 - (ii) The emission total for each pollutant shall be added to the respective pollutant emission totals for all calendar months subsequent to initial start-up of the generator engine(s).
 - (b) Beginning twelve (12) months following initial start-up of any of the generator engines, the owner/operator shall perform the following:
 - (i) Within 14 days of the start of each calendar month, the owner/operator shall calculate the combined emissions of CO, VOC, and formaldehyde from all three generator engines during the previous calendar month.
 - (ii) The emission totals for each pollutant shall be added to the respective pollutant emission totals for the previous eleven (11) calendar months to develop a 12-month rolling total.
- (E) Record Keeping Requirements.
- (1) The owner/operator shall keep the following records on a monthly basis:
 - (a) The hours of operation of each engine/generator set, including any start-up, shutdown, and/or malfunction in the operations of each engine/generator set; and
 - (b) Rolling emission totals for CO, VOC, and formaldehyde as required under paragraphs (D)(2)(a) and (D)(2)(b) of this condition.

- (2) The owner/operator shall maintain records of all required monitoring information in accordance with record keeping and retention requirements set forth under Condition XXVI(E) of this permit.

(F) Reporting Requirements.

- (1) The owner/operator shall report all criteria air pollutant and hazardous air pollutant emissions to the Department annually in accordance with the requirements set forth in Condition XII of this permit.
- (2) The owner/operator shall submit the results of all required performance tests to the Department within 60 days of the completion of such tests. For the purpose of this permit, the owner/operator shall report the following performance test results:
 - (a) Post-control emission factors for the pollutants specified in paragraph (C)(1) of this condition in units of pounds per hour (lbs/hr).
- (3) The owner/operator shall notify the LLCHD of the date on which the conversion of landfill gas to natural gas for the three generator engines is completed. This notice shall be received by the LLCHD no later than fifteen (15) days after such date.

(G) Toxics Best Available Control Technology (T-BACT) Requirements.

- (1) The Department has determined that, for the purposes of this permit, the use of oxidation catalysts represents best available control technology (BACT) for formaldehyde (CH₂O). This determination is in accordance with the following:
 - (a) Article 2, Section 27, paragraph (B) of the LLCAPCPRS states that a permit for construction/reconstruction/modification of a source with the potential to emit hazardous air pollutants at levels that meet or exceed the thresholds set forth in Article 2, Section 17, paragraph (A)(3) of the LLCAPCPRS will be issued only if best available control technology (as determined by the Director) is applied.
 - (b) As indicated in the approved application submitted March 2, 2026, emissions of formaldehyde (CH₂O) exceed the thresholds set forth in Article 2, Section 17, paragraph (A)(3) of the LLCAPCPRS.
 - (c) The Department has determined that, for the purposes of this permit, the use of an oxidation catalyst to control emissions of carbon monoxide will also result in emission reductions of volatile organic compound (VOC). Formaldehyde is a VOC, therefore the oxidation catalysts will reduce emissions of formaldehyde.
- (2) The owner/operator shall demonstrate with the requirement to apply best available control technology (BACT) for formaldehyde by complying with the requirements set forth in paragraphs (A) through (F) of this condition.

XXVIII. Requirements of the New Source Performance Standards (NSPS) set forth in Title 40, Part 60 of the Code of Federal Regulations (40 CFR 60).

- (A) The owner/operator shall operate EUs 12-1, 13-1, and 14-1 (Natural Gas Generator Engines) in accordance with the applicable requirements of 40 CFR Part 60, Subpart JJJ (Standards of Performance for Stationary Spark Ignition Internal Combustion Engines). The provisions of Subpart JJJ cited by section number, section description, and paragraph are listed in Table 28-A below.

Table 28-A: Applicable Requirements of 40 CFR 60, Subpart JJJ

Section (§)	Section Name	Applicable Paragraphs
§60.4230	Affected Sources	(a)(4)(i)
§60.4233	Emission Standards for Owners/Operators of Emergency Stationary SI ICE	(e)
§60.4234	Duration of Emission Standard Compliance for Owners/Operators of Stationary SI ICE	Entire section
§60.4236	Deadline for Importing or Installing Stationary SI ICE Produced in Previous Model Years	(b)
§60.4237	Monitoring Requirements	(a)
§60.4243	Compliance Requirements for Owners/Operators of Stationary SI ICE	(b); (g)
§60.4244	Performance Test Methods and Procedures for Owners/Operators of Stationary SI ICE	(a)-(f) <i>(only applies if conducting performance tests)</i>
§60.4245	Notification, Reporting, and Record Keeping Requirements for Owners/Operators of Stationary SI ICE	Entire Section
§60.4246	Applicable General Provisions	Entire section, also see Table 3 of Subpart JJJJ
§60.4248	Definitions	Entire section

- (B) In accordance with §60.4233 paragraph (e), the owner/operator must comply with the emission standards in Table 28-B below:

Table 28-B: Emission Standards for Non-Emergency Spark Ignition Engines >500 hp

g/HP-hr			ppmvd @ 15% O ₂		
NOx	CO	VOC	NOx	CO	VOC
1.0	2.0	0.7	82	270	60

- (C) The owner/operator must comply with all applicable requirements of 40 CFR 60, Subpart A (General Provisions), as they relate to applicable requirements for EUs 12-1, 13-1, and 14-1 (Natural Gas Generator Engines) pursuant to 40 CFR 60, Subpart JJJJ. The owner/operator shall be responsible for identifying and maintaining compliance with all applicable provisions of Subpart A.

XXIX. Requirements of the National Emissions Standards for Hazardous Air Pollutants at Source Categories (Source Category NESHAPs) set forth in Title 40, Part 63 of the Code of Federal Regulations (40 CFR 63).

- (A) The owner/operator shall operate EUs 12-1, 13-1, and 14-1 (Natural Gas Generator Engines) in accordance with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ (NESHAP for Stationary Reciprocating Internal Combustion Engines). The provisions of Subpart ZZZZ cited by section number, section description, and paragraph are listed in Table 29-A below:

Table 29-A: Applicable Requirements of 40 CFR 63, Subpart ZZZZ

Section (§)	Section Description	Applicable Paragraphs
§63.6580	Purpose	Entire Section
§63.6585	Applicability	(a); (c)-(d)
§63.6590	Affected Sources	(a); (a)(2); (c)(1) ^[1]

Table 29-A: Applicable Requirements of 40 CFR 63, Subpart ZZZZ

Section (§)	Section Description	Applicable Paragraphs
	^[1] – In accordance with §63.6590 paragraph (c), engines that are subject to regulation under 40 CFR 63 Subpart ZZZZ must demonstrate compliance with Subpart ZZZZ by complying with the applicable subpart under 40 CFR Part 60 Subpart JJJJ for spark ignition engines, and no further requirements of Subpart ZZZZ apply to such units. As such, EUs 12-1, 13-1, and 14-1 (Natural Gas Engines) are subject to Subpart ZZZZ, but are not subject to further requirements of Subpart ZZZZ.	

- (B) The owner/operator must comply with all applicable requirements of 40 CFR 63, Subpart A (General Provisions), as they relate to applicable requirements for EUs 12-1, 13-1, and 14-1 (Natural Gas Generator Engines) pursuant to 40 CFR 63, Subpart ZZZZ. The owner/operator shall be responsible for identifying and maintaining compliance with all applicable provisions of Subpart A.