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U.S. Landfill Protocol Project Data Report

The Project Data Report (PDR) Template must be completed for each verification period. This template is only intended as a guide and provides the minimum required information to be reported. This template is designed for use with the U.S. Landfill Protocol V6.0 (US LP). The project developer has the option to include additional information at their discretion.

Please note that this document will be made publicly available once the project has registered credits the verification cycle. If there is proprietary information, please provide a redacted version for publication and a non-redacted version for internal review. Please contact the Reserve to discuss what information may be allowed to be redacted.

Account Holder	Timberline Energy, LLC
Project ID and Name	CAR422, Hernando County Landfill Electric Generation
Cooperative/Aggregate ID (if applicable)	N/A
Current Reporting Period Dates	10/7/2024 - 10/6/2025
Protocol Version	U.S. Landfill V6.0
Claimed CRTs by Vintage	2024: 4,789 2025: 12,742
Date Submitted	5/19/2026

1 Introduction

Provide a general description of the project, including location, baseline scenario, project activity, etc.

Timberline Energy, LLC developed a landfill gas to energy facility at the Hernando County Northwest landfill. The project has a capacity of 1,600 kW (gross capacity) of electricity, which is sold to the local utility. The genset is out of service during this verification period, due to damages sustained by Hurricane Milton. This is a voluntary implementation of a gas collection and destruction system as the landfill is not required to install a gas control system because it is below the EPA limit of 34 megagrams per year NMOC emissions for NSPS and EG applicability. Traditional baseline emission scenarios are not relevant to this type of project and no pre-project methane destruction occurred at the Hernando County Landfill.

2 Project Definition

a Project Definition

Provide information on whether the project is an expansion of an existing landfill project or is being submitted as a new project, the type of destruction device (e.g. utility flares, enclosed flares, engines, turbines, microturbines, boilers, pipelines, leachate evaporators, kilns, sludge dryers, burners, furnaces, or fuel cells), default or site-specific destruction efficiency values, and whether landfill gas is destroyed onsite or transported for offsite use. Supporting documentation must be provided to the verifier during each verification cycle, which may include project diagrams, LFG flow data, methane flow data, facility records, etc.

The project was submitted in 2008 with the installation of the initial gas collection system at the Landfill along with a CAT 3520 genset (low burn internal combustion engine) and an open flare which are contained in a small lease area on the Landfill property. Default methane destruction efficiencies are used for each device.

b Project Developer

List the entities which have any amount of legal control over the project boundary and identify the mechanism through which the Account Holder has legal authority to implement the project. In addition, please state which entity will be designated as the project developer and will sign the Attestation of Title. If the Account Holder is not the entity listed on the facility's operating permit, explain how they obtain the right to operate the project on the facility's behalf.

Hernando County is the sole owner of the Hernando County Northwest Landfill. Hernando County has granted Timberline Energy, LLC right and license to connect, process, sell, and utilize landfill gas in a Landfill Gas Purchase Agreement. This granted Timberline Energy, LLC the legal authority to develop the landfill gas collection system and utilization facility for the purpose of methane destruction to produce electricity and other beneficial use products such as environmental credits. As such, Timberline Energy, LLC is the Project Developer registered on The Reserve. The Attestation of Title is signed by a duly qualified and acting officer of Archaea Energy Inc. which is the 100% owner of Timberline Energy, LLC.

The Landfill gas to Energy facility's operating permit was incorporated into the Landfill's Title V air operation permit since the emission units meet the EPA's classification of a support facility.

3 Project Eligibility

a Project Location

Provide the project location.

The Project is located at the Hernando County Northwest Landfill which is in Hernando County, Florida, approximately 10 miles northwest of Brooksville, Florida. The address is 14436 Landfill Rd. Brooksville, FL 34614.

- ☐ Latitude: 28° 40' 16.782" N
- ☐ Longitude: 82° 29' 27.038" W

b Project Start Date

Briefly describe the documentation used to demonstrate the date at which the GCCS system became operational, i.e., the date landfill gas was first destroyed in a project destruction device. Provide a description of the start-up testing period (destruction device, timeline, etc.), if applicable. Include what documentation will be provided to the verification body to demonstrate the commencement of methane destruction.

First gas destruction at the project occurred on October 7, 2008. Operational records show totalized flows sent to the CAT Genset starting on that date with power production first occurring the following day. A maintenance journal by the site Operator indicates that the Genset commenced full-time (100% Load) operation on 10/31/2008, supporting a 24-day break-in and troubleshooting period after initial startup.

c Project Crediting Period

State the project's crediting period as defined in Section 3.2 of the Protocol.

10/7/2018 to 10/6/2028

d Additionality

i Performance Standard Test

Check the box below and provide a brief description of how the landfill gas destruction project meets the performance standard test as outlined in Section 3.4.1 of the protocol.

- ☒ Installation of a landfill gas collection and a new qualifying destruction device at an eligible landfill where landfill gas has never been collected and destroyed prior to the start date.
- ☐ Installation of a new qualifying destruction device at an eligible landfill where landfill gas is currently collected and vented, but has never been destroyed in any manner prior to the start date.
- ☐ Installation of a new qualifying destruction device at an eligible landfill where landfill gas was collected and destroyed at any time prior to the project start date using:
 - ☐ A non-qualifying destruction device (e.g., passive flare)
 - ☐ A destruction device that is not otherwise eligible under the protocol
- ☐ Installation of a new gas collection system on a physically-distinct cell (or cells) where neither gas collection nor destruction has previously occurred.

Description: The Landfill Gas purchase agreement between Timberline Energy, LLC and the Hernando County Landfill states in section 3.a. that Timberline shall design and install the initial wells and collection system. The Project Developer supports that the landfill did not have a gas collection and control system prior to the installation of this Project's system and that it is a landfill gas collection and new qualifying destruction device at an eligible landfill where landfill gas has never been collected and destroyed prior to the start date.

ii Limits on Credit Stacking

Disclose if the project participates in carbon or other types of mitigation project types outside of the Reserve. If so, include a brief description of the project activity, the Registry in which the project is listed, and how the two projects do not result in double counting. Confirm that the Reserve and the other registry are aware of and provided approval for credit stacking. If no project stacking / credit stacking is occurring, state, "Not applicable."

Not applicable.

iii Legal Requirement Test

Attest that the project activities are not legally required. Identify any federal, provincial, or local regulations or legally binding mandates that are relevant to the project. State whether the project is subject to NSPS regulations and provide information regarding recent NMOC emission rate testing. Confirm that the landfill has not exceeded the NMOC threshold or provide the date at which the landfill is legally required to implement the GCCS.

The Hernando County Northwest Landfill is subject to NMOC emission rate testing under NSPS. The results of the most recent Tier II testing performed in August 2023 project 2025 emission rates to be 11.62 Mg/year, below the 34 Mg/year threshold for NSPS applicability and the requirement to install a landfill gas collection system.

No other state, local, or federal requirements apply to the Landfill that would necessitate the collection and destruction of the landfill gas.

e Social and Environmental Safeguards

i Social Safeguards

Confirm below that the project is in material compliance with all labor and safety laws for the verification period.

The Project is in material compliance with all labor and safety laws for the verification period.

ii Environmental Safeguards

Confirm below that the project was in material compliance with all environmental regulations during the reporting period, and how the project is designed and implemented in such a way to mitigate potential releases of pollutants that may cause degradation of the quality of soil, air, and surface and groundwater. Provide a brief description of any environmental benefits or harms that have resulted from the project.

Please refer to the Attestation of Regulatory Compliance for confirmation of the project's compliance with environmental regulations. Facility is designed to make beneficial use of landfill gas that would

otherwise be emitted to atmosphere, combusting the methane to produce electricity that's exported to the local grid. This reduces the CO₂-equivalent emissions and improves air quality.

In this specific crediting period, the genset is out of service. So, instead of producing electricity, the facility instead combusts the methane at high temperatures that reduces the CO₂-equivalent emissions and improves air quality.

Environmental Health and Safety systems are in place to prevent the release of oil or other hazardous contaminants to the soil, air, or water. Flammable and hazardous liquids are stored in containers that are either approved by the U.S. Department of Transportation or by the State Fire Marshall, or listed and labeled by the National Registration and Test Laboratory as approved for such liquids. Waste oil and coolant are picked up by designated 3rd party waste handling companies to be disposed of properly.

f Regulatory Compliance

Provide the national, provincial, and/or local regulatory agencies with jurisdiction over the project boundary. Disclose any instances of non-compliance during the reporting period. Describe how the project will monitor for compliance during future reporting periods.

Environmental Protection Agency, Clean Water Act Permit. Compliance is reported by Landfill which can be checked via EPA ECHO Report. No material violations occurred in reporting period.

Florida Department of Environmental Protection, Title V Permit. Compliance is reported by Landfill which can be checked via EPA ECHO report and FDEP OCULUS report. No material violations occurred in reporting period.

4 GHG Assessment Boundary

a GHG Assessment Boundary

The table below includes only the SSRs that are included in the project quantification. For all SSRs considered in the GHG Assessment Boundary (included and excluded GHGs and their justification) refer to Table 4.1 in the Protocol.

SSR	Source Description	Gas	Baseline (B) or Project (P)	Confirm each SSR is Included
4	Emissions from Waste Breakdown in Landfill	CH ₄	B,P	☒
5	Emissions from Gas Collection System	CO ₂	P	☒
6	Emissions from Supplemental Fuel	CO ₂ , CH ₄	P	☐
7	Emissions from Project LFG Boiler Destruction	CH ₄	P	☐
	Emissions from Baseline LFG Boiler Destruction	CH ₄	B	☐
8	Emissions from Project LFG Electricity Generation	CH ₄	P	☐

	Emissions from Baseline LFG Electricity Generation	CH ₄	B	☐
9	Emissions from Project LFG Flare Destruction	CH ₄	P	☒
	Emissions from Baseline LFG Flare Destruction	CH ₄	B	☐
10	Emissions from Upgrade of LFG	CO ₂	B,P	☐
11	Emissions from Project LFG Pipeline or other NG end-use	CH ₄	P	☐
	Emissions from Baseline LFG Pipeline or other NG end-use	CH ₄	B	☐

5 Quantifying GHG Emission Reductions

a Quantifying Baseline Emissions

i Summary of Baseline Quantification

Provide the total methane destroyed by the GCCS, factor for the oxidation of methane by soil bacteria, discount factor to account for modeling uncertainties, and adjustment factor to account for baseline LFG destruction device in the verification period, as calculated in the Protocol.

Vintage: 2024	Vintage: 2025
Total methane destroyed: 190.42 tCH ₄	Total methane destroyed: 506.60 tCH ₄
Oxidation factor by soil bacteria: 10%	Oxidation factor by soil bacteria: 10%
Monitoring uncertainties discount factor: 10%	Monitoring uncertainties discount factor: 10%
Adjustment factor for baseline LFG destruction device: 0	Adjustment factor for baseline LFG destruction device: 0
Baseline Emissions: 4,798.68 tCO ₂ e	Baseline Emissions: 12,766.42 tCO ₂ e

b Quantifying Project Emissions

i Site-Specific Destruction Efficiency

Provide the name of the state or local agency accredited service provider utilized to conduct the site-specific destruction efficiency testing, as well as the date the test was conducted and the destruction efficiency used for quantification.

Not Applicable.

ii Summary of Project Emissions

Provide the total carbon dioxide emissions from the destruction of fossil fuel, total carbon dioxide emissions from the consumption of electricity from the grid, and the total quantity of emissions from supplemental natural gas in the verification period, as calculated in the Protocol.

Vintage: 2024	Vintage: 2025
Emissions from fossil fuel use: 0.47 tCO ₂	Emissions from fossil fuel use: 1.14 tCO ₂
Emissions from electricity use: 8.94 tCO ₂	Emissions from electricity use: 22.57 tCO ₂
Emissions from supplemental natural gas: 0 tCO ₂	Emissions from supplemental natural gas: 0 tCO ₂
Project Emissions: 9.41 tCO ₂ e	Project Emissions: 23.71 tCO ₂ e

c Final CRT Summary

Summarize the final result for determining the net GHG Reductions by vintage.

Vintage: 2024	Vintage: 2025
Baseline Emissions: 4,798.68 tCO ₂ e	Baseline Emissions: 12,766.42 tCO ₂ e
Project Emissions: 9.41 tCO ₂ e	Project Emissions: 23.71 tCO ₂ e
Total GHG Emission Reductions/Removals: 4,789 tCO ₂ e	Total GHG Emission Reductions/Removals: 12,742 tCO ₂ e

6 Project Monitoring

Check the boxes below and attest that project monitoring has occurred according to the Protocol. If requirements were not met, please list the date of variance request and fill out Section 7.

Have all monitoring and QA/QC requirements been met? ☒ Yes ☐ No

Have all field checks and calibrations been performed by a third-party? ☒ Yes ☐ No

Date of Variance Request, if applicable:

7 Variance Request

If a variance was requested during the reporting period, provide a brief description of the rule/requirement in the protocol in question, the conditions of the determination, and the date of the variance request and determination.

Date of Variance Request:

Protocol Section and Rule/Requirement:

Description of how the project did not meet the protocol requirement above:

Date Reserve Issued Determination:

Variance Conditions:

8 Project Documentation

The following documents are required to be submitted for project registration. In cases where there is proprietary information, please provide unredacted and redacted versions. If additional documents were submitted, please include the document title and its associated file name.

Document	File Name
Project Diagram	Hernando Electric Generation Project System Diagram_F6.pdf
Attestation of Title	TE_Hernando_TTL_2025_executed.pdf
Attestation of Voluntary Implementation	TE_Hernando_VI_2025_executed.pdf
Attestation of Regulatory Compliance	TE_Hernando_RC_2025_executed.pdf
Monitoring Plan	2024-2025 Hernando Project Monitoring Plan V04.pdf
Project Contributions to the U.N. Sustainable Development Goals Report Tool (if applicable)	Hernando SDG-Reporting-Tool-v2.0-2.pdf
Project Data Report (this document)	2024-2025 Hernando Project Data Report-V04.pdf
List of Findings	CAR422 List of Findings.doc
Variance Request (if applicable)	
Environmental and Social Safeguards Assessment Form	2024-2025 Hernando CAR Social Environmental Safeguards Assessment Form - V09.pdf