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	Republic Services Alliance Group II, Inc.
Project ID and Name	CAR512 - Rio Grande Valley Landfill
Cooperative/Aggregate ID (if applicable)	N/A
Current Reporting Period Dates	01/01/2025 - 12/31/2025
Protocol Version	U.S. Landfill V6.0
Claimed CRTs by Vintage	73,948 (2025)
Date Submitted	07/21/2026

1 Introduction

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

The project voluntarily collects and destroys landfill gas using an open flare (project activity), preventing it from being emitted into the atmosphere (baseline scenario). These emission reductions are achieved in accordance with Version 6.0 of the Landfill Project Reporting Protocol, developed by the Climate Action Reserve.

The specific location coordiantes of the Rio Grande Valley Landfill in Texas is as follows:

> Latitude: 26° 13’ 31.58” N / Longitude: 98° 01’ 54.93” W

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.

This project consists of the voluntary collection and destruction of landfill gas and the necessary monitoring and data recording for the purpose of verifying Climate Reserve Tonnes (CRTs).

Methane destruction has occurred through an open flare. For this destruction, a methane destruction efficiency of 96% has been applied per Protocol guidelines.

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.

Project Developer: Republic Services Alliance Group II, Inc. (Attestation of Title signatory)

Landfill Owner/Operator: Republic Services Alliance Group II, Inc.

Gas Collection & Control System Owner: Republic Services Alliance Group II, Inc

Carbon Credit Manager: Anew Environmental, LLC

Project O&M Provider: RGLF and Practical Controls

Anew and Republic collaborate in the carbon project management and verification related activities

3 Project Eligibility

a Project Location

Provide the project location.

The Rio Grande Valley Landfill is location in Texas, therefore within the United States and is thus eligible as a project under the Protocol.

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.

The project began on Febraury 21, 2005 when the landfill gas collection system and flare began operation. This commissioning date was determined by confirmation from staff at the landfill and Practical Controls who was on-site during startup. In addition, the LFGCCS installation report by Weaver Boos Consultants confirms the flare initiated during February 2005. The project started post January 1, 2001, thus meeting the Project Start Date eligibility criteria.

c Project Crediting Period

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

02/21/2015 to 02/20/2025; 02/21/2025 to 02/20/2035

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: RGLF was not collecting and destroying landfill gas prior to the project start date and is thus considered additional under Scenario (A)1 according to the Protocol.

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.

To be considered additional, emissions reductions must be achieved by a project that would not have occurred due to federal, state or local regulations. RGLF is not required by law to install a landfill gas collection and control system and meets all applicable federal, state, and local regulations or ordinances, thus passing the Legal Requirements Test. BFI signed and submitted the Project's Developers Attestation of Voluntary Implementation to CAR (See CAR Registry).

The New Source Performance Standard (NSPS) for MSW Landfills requires landfills that began receiving waste after May 30, 1991 with a design capacity greater than 2.5 million megagrams (Mg) to control emissions of non-methane organic compounds when the estimated NMOC emissions exceed 34 Mg per year. If a landfill exceeds the 34 Mg per year threshold, then the landfill has 30 months to install a landfill gas capture system. Based upon the results of the Tier II Report conducted by Weaver Boos Consultants, LLC- Southwest on 12/10/2014, RGLF's NMOC emissions were less than 34 Mg/yr. Therefore, Republic Services is not required to capture and destroy LFG under federal regulations. Since the site stopped accepting waste on 9/21/2013, no further NMOC emission reports are required.

RGLF is not required to manage its landfill gas under either the Texas Commission of Environmental Quality (TCEQ) or local regulations. In addition, RGLF has met all applicable state and local environmental regulations and has obtained all applicable permits (See RGLF Data Room).

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 RGLF maintains compliance with all labor and safety laws for the verification period. In order for the landfill to even operate, any labor and safety laws must be upheld.

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.

The RGLF maintains environmental compliance through the guidance detailed in their operating permits required under federal, state, or local environmental regulations. The permits include inspection frequencies, sampling frequencies, and reporting requirements. These permits are included in the documentation provided for verification. The project is designed to voluntarily collect and destroy landfill gas using an open flare - mitigating releases of pollutants that may cause degradation of the quality of soil, air, and surface and groundwater. Therefore, by preventing these pollutants from being emitted into the atmosphere, the Project has a positive impact on the environment as a result. The Project also contributes to SDG goal 13.0 as under the project condition, methane is converted to CO2 through combustion of captured landfill gas which results in measurable greenhouse gas emission reductions - resulting in positive climate action.

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.

The RGLF maintains regulatory compliance through the guidance detailed in their operating permits required under federal, state, or local environmental regulations. The permits include inspection frequencies, sampling frequencies, and reporting requirements. These permits are included in the documentation provided for verification. There were no instances of non-compliance during the reporting periods.

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)
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	CH_4	P

	Electricity Generation		
	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: 2025	**Vintage:**
Total methane destroyed: 2,936.26 tCH_4	Total methane destroyed: tCH_4
Oxidation factor by soil bacteria: 10	Oxidation factor by soil bacteria:
Monitoring uncertainties discount factor: 0	Monitoring uncertainties discount factor: 0
Adjustment factor for baseline LFG destruction device: 0	Adjustment factor for baseline LFG destruction device:
Baseline Emissions: 73,993.81 tCO_2e	Baseline Emissions: tCO_2e

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.

The destruction efficiency used for quantification has been applied per Protocol guidelines. According to the Protocol, the default destruction efficiencies are based on a preliminary set of actual source test data provided by the Bay Area Air Quality Management District.

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: 2025	**Vintage:**
Emissions from fossil fuel use: 0.70 tCO_2	Emissions from fossil fuel use: tCO_2
Emissions from electricity use: 45.0 tCO_2	Emissions from electricity use: tCO_2
Emissions from supplemental natural gas: 0 tCO_2	Emissions from supplemental natural gas: tCO_2
Project Emissions: 45.7 tCO_2e	Project Emissions: tCO_2e

c Final CRT Summary

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

Vintage: 2025	**Vintage:**
Baseline Emissions: 73,993.81 tCO_2e	Baseline Emissions: tCO_2e
Project Emissions: 45.7 tCO_2e	Project Emissions: tCO_2e
Total GHG Emission Reductions/Removals: 73,948 tCO_2e	Total GHG Emission Reductions/Removals: tCO_2e

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: Not 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	Rio Grande PDD 2025 v1.0
Attestation of Title	Rio-Grande-Attestation-Title.pdf
Attestation of Voluntary Implementation	Rio-Grande-Attestation-Voluntary-Implementation.pdf
Attestation of Regulatory Compliance	Rio-Grande-Attestation-Regulatory-Compliance.pdf
Monitoring Plan	Rio Grande PDD 2025 v1.0
Project Contributions to the U.N. Sustainable Development Goals Report Tool (if applicable)	Rio Grande-SDG-Reporting-Tool-v1.0
Project Data Report (this document)	Rio Grande-U.S. Landfill PDR-V1.0
List of Findings	
Variance Request (if applicable)	N/A