

QUALITY REPORT

SAMSUN LANDFILL GAS TO ENERGY PROJECT, TURKEY

GS-1670 · GS · Turkey

Report ID: CM-31D0F839 · Generated: 2026-04-23 · Scoring Methodology: General v2.0

4.6 Overall Score out of 10	■ Integrity (35%)	5.5
	■ Transparency (25%)	4.5
	■ Claim Safety (25%)	4.0
	■ Documentation (15%)	4.0

Weights: Integrity 35% · Transparency 25% · Claim Safety 25% · Documentation 15%

Assessment Summary

The project shows some core strengths (VVB-confirmed additionality, recent baseline reassessment) but multiple verification corrective actions, documented contradictions between older and newer documents, and low extraction confidence reduce trust. There is moderate risk of data/credit inconsistency and possible over-crediting, and CORSIA eligibility raises claim-management concerns.

Project Details

Registry	Gold Standard
Registry ID	GS-1670
Sector	methane
Country	Turkey
Vintage	2021, 2022, 2023
Project Methodology	ACM0002 Version 19
Crediting Period	2018 — 2025
VVB	Re Carbon Ltd.
Verified ERs	330,393 tCO2e
Monitoring Period	2019 — 2019
Confidence	Low
Documents Reviewed	48 documents reviewed
Scored	2026-04-23

Red Flags

- Multiple corrective action requests (CAR-1 through CAR-7) in the verification report indicating errors in reported emission reductions and equipment/commissioning details
- Contradictory records across documents (e.g., FPIC, grievance mechanism, ERR figures, grid EF and crediting period) reducing reliability of reported ERs
- Min extraction confidence is low, indicating that at least one key document was poorly readable or parsed

Score Breakdown

Integrity — 5.5 / 10

- + Additionality confirmed by the VVB in the verification report (investment test stated, verification_report 2022-04-01)
- Multiple corrective actions required (CAR-1 to CAR-7) in the monitoring/verification package indicating substantive errors in emission reduction reporting and project data (monitoring_report 2022-04-01)

The verification report confirms additionality through an investment test and names an independent VVB (verification_report 2022-04-01), which supports integrity. However, there are seven corrective action requests in the verification/monitoring documents indicating misreported emission reductions, inconsistent equipment/capacity data, and use of an outdated monitoring form (monitoring_report 2022-04-01). Buffer pool percentage is not stated and reversal events are listed as not addressed, which raises permanence concerns. Baseline methodology is project-specific (ACM0002) with a reassessment in 2025, which is positive but not sufficient to offset the above issues.

Transparency — 4.5 / 10

- + VVB named (Re Carbon Ltd.) and monitoring period provided (monitoring_report 2019) with public registry Gold Standard listed
- Extraction confidence is low and there are several contradictions between documents (e.g., ERR, FPIC/grievance presence), which weakens traceability of key numbers

Transparency is mixed: the project lists a named VVB, a monitoring period, registry (Gold Standard) and many evidence documents (n_docs_used = 40). However, min extraction confidence is low (at least one key document poorly readable) and there are clear contradictions across documents (e.g., presence of FPIC/grievance, ERR totals, grid emission factor), which reduces confidence in which figures are authoritative. Some key inputs (buffer pool percentage, usage rate assumptions, FNRB) are not stated in the extracted record.

Claim Safety — 4.0 / 10

- Project is CORSIA-eligible, creating dual-claim risk if not explicitly managed (corsia_eligible true)
- ~ Mixed signals on leakage and grid EF: leakage deduction reported as 0% but documented as 'quantified' in the latest verification while earlier documents deemed negligible and grid EF values contradict across reports

There is elevated claim risk because the project is CORSIA-eligible (corsia_eligible true) and CCP status is not mentioned, so dual-claim management is unclear. The project reports a leakage deduction of 0% but the justification varies between 'quantified' in the latest verification and 'deemed negligible' in earlier documentation, and grid emission factor values conflict between 0.3953 and 0.559 across reports — these contradictions create over-crediting risk. No reversal events are addressed and buffer pool is not stated, increasing risks from reversals.

Documentation — 4.0 / 10

- + Large document set used (n_docs_used = 40) including validation, verification and monitoring reports
- Min extraction confidence is low and recent verification lists multiple CARs, indicating documentation quality and consistency problems (verification_report 2022-04-01)

Documentation breadth is good (validation, verification, monitoring reports and stakeholder consultation listed), and a recent baseline reassessment is recorded (2025). Nevertheless, the extraction confidence is low and the verification process produced several corrective actions, indicating gaps in how information was presented and verified. The verification report is recent (2022) and generally privileged, but unresolved CARs lower the documentation quality.

Risk Indicators

● Additionality	VVB-confirmed
● Permanence	reversal risk unaddressed
● Leakage	0% deduction; mixed justification
● Baseline	project baseline; recently reassessed
● Safeguards	FPIC/grievance noted but inconsistently documented
● Double-claim	CORSIA-eligible

What Would Improve This Score

- Resolve all corrective actions and publish a corrected monitoring report with reconciled ERR totals and equipment/capacity details
- Publish clear statements on buffer pool treatment, reversal risk management, and double-claiming/CORSIA/CCP status; improve public documentation quality to raise extraction confidence

Documents Reviewed

- T-PerfCert_V1.1-Annual-Report of Samsun Landfill_2020.pdf
- Final_Ver Report_Samsun LFG_v01.1_18-03-2025.pdf
- T-V4.0-Deviation-Request-Form_Samsun Avdan_FINAL.pdf
- Monitoring Report_3rd monitoring period_16-04-2016 to 08-02-2018_v8.pdf
- T-PerfCert_V1.1-Annual-Report of Samsun Landfill_2019.pdf
- Final_ER Calculations_Samsun landfill_v04.xlsx
- Final_Val Report_544 Samsun landfill_Sandeep Kanda_v03_02-12-2019.pdf
- Final_MR_Samsun Landfill_v04.docx
- Final_Ver Report_743 Samsun landfill_Sandeep Kanda_v02_27-12-2021.doc
- (1)Monitoring Report_1st monitoring period_09.02.2011 to 30.11.2012_v1.9.pdf
- T-PerfCert_V2.0-Project-Annual-Report of Samsun Landfill 2021.pdf
- GS 935 Annual-Report 2023.pdf
- Final_Ver Report_543 Samsun landfill_Sandeep Kanda_v01.1_12-05-2020.pdf
- T-PerfCert_V2.0-Project-Annual-Report of Samsun Landfill 2022.pdf
- Final_ER Calculations_743 Samsun landfill_v06_16-11-2021.xlsx
- Final_ER Calculations_Samsun Landfill_v03_11-11-2024.xlsx
- Final_ER Calculations_743 Samsun landfill_v07_25-02-2022(1).xlsx
- GS 935 Annual-Report 2024.pdf
- Final_Ver Report_743 Samsun landfill_Sandeep Kanda_v02.1_13-03-2022.pdf
- GS935 Annual Report_2023.pdf
- Monitoring Report_2nd monitoring period_01-12-2012 to 31-08-2014_v2.1.pdf
- Final_SDG Impact Tool_v02_11-11-2024.xlsx
- Baseline Study v0.7_Samsun Avdan LFG_15.10.2019_CP renewal (1).xlsx
- GS4GG Design Renewal Review_GS935_final_05022020.pdf
- Final_Val Report_Samsun Landfill_v01.1_30-01-2025.pdf
- Final_Val Report_544 Samsun landfill_Sandeep Kanda_v3.1_22-01-2020(1).pdf
- GS Passport_13-04-2012.pdf
- PDD_14-06-2019.pdf
- PDD_09-07-2019.pdf
- Final_PDD_Samsun Landfill_v04_22-01-2025.pdf
- PDD_Samsun LFG_v09_21.01.2020_wotc_CP renewal(1).pdf
- PDD_Samsun LFG_v09_21.01.2020_wtc_CP renewal.pdf
- PDD_13-04-2012.pdf
- ER Calculations_Samsun landfill_simulation_old CP2 PDD_09022018_revised proof one.xlsx
- PDD_13-05-2019.pdf
- GS935 Local Stakeholder Consultation Report 25.10.2010_v2.pdf
- PDD_15-10-2019.pdf
- Gold Standard Assurance Platform — GS-1670
- Gold Standard Registry — GS-1670
- Monitoring-Report of 4th verification Samsun Landfill v0.7_wotc_20.12.2021.pdf
- Monitoring Report of Samsun WPP_3rd_verification_v0.7_01052020_wotc.pdf
- Monitoring-Report of 4th verification Samsun Landfill v0.9_wtc(1).pdf
- Verification Repor_3rd monitoring period_16-04-2016 to 08-02-2018_v2.pdf
- (1)Verification Report_1st monitoring period_09.02.2011 to 30.11.2012_rev4.pdf
- Monitoring-Report of 4th verification Samsun Landfill v0.9_wotc.pdf
- Verification Report_2nd monitoring period_01-12-2012 to 31-08-2014_v3.pdf
- GS935 Validation Report 27.04.2012_v4.pdf

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