PROJECT REVIEW REPORT

This project review report includes findings raised during Verra's review of the project specified below. The VVB must address the findings before the project request can be considered for approval by Verra. The project review report will be made publicly available on the Verra Registry. Confidential information may be provided in separate attachments.

Project ID	2738
Project Name	Reducing Gas Leakages within the Karnaphuli Gas Distribution Network in Bangladesh
Review Type	Verification Approval
Program(s)	VCS Program
Verification Period	01-January-2022 to 31-December-2022
Project Proponent	EcoGas Asia Limited
Methodology	AM0023 "Leak detection and repair in gas production, processing, transmission, storage and distribution systems and in refinery facilities" (Version 04.0.0)
VVB	Carbon Check (India) Private Ltd.
Assessment Criteria	VCS Standard, Version 4.4
Date of First Issue	12/10/2023
Review Conclusion	Closed
Date of Final Issue	25/01/2024

FINDINGS

#	Finding Description	VVB Response	Status
1	Sample Size		
	Issue 1. It is unclear how the VVB assumed a sample of 25 appropriate for verification in section 2.4 of the VR. 2. The VVB does not provide details of the samples which were verified from the database. Action Required 1. The VVB must justify the appropriateness of a sample size of 25 in section 2.4 of the VR. 2. The VVB must include the details of the samples verified from the database as a part of the verification process in section 2.4 of the VR. Program Rule(s) *VCS Verification Report, V4.2, Section 2.4*	**Round 1** VVB Response 1. The appropriateness of choosing 25 samples (90/10 Confidence/Precision and 90% response distribution considering that 100% leaks monitored by the PP during the monitoring period) is demonstrated more elaborately with appropriate footnotes added in section 2.4 of the revised VR. However, VVB physically inspected 30 leaks (5 additional) during the on-site visit. 2. VVB also verified 54 samples from the database in addition to the 30 samples verified physically during the on-site visit. VVB cross checked the details mentioned in the ER spreadsheet for all these 84 samples (1% samples from the total population) from the hard copy records maintained by PP and found that details mentioned in ER sheet against respective samples was consistent with on-site records. Since all information of the selected sample leaks verified was consistent and plausible, no further samples were conducted by the verification team and the records of all the repaired leaks were acceptable to the verification team. Same has been updated in the section 2.4 of the revised VR. Verra Response This finding is closed based on VVB's confirmation. **Round 2** VVB Response Verra Response **Round 3** VVB Response	Closed

		Verra Response	

2	**Calibration details**		
	Issue As per the registered PD and MR, each Hi-Flow Sampler is supposed to be calibrated within 30 days prior to date of measurement. However, Section 4.3 of the MR do not indicate dates at a 30-day interval. Action Required The VVB must ensure that the PP provides appropriate calibration details in section 4.3 of the MR. Further, they must justify how they verified the same in the relevant section of the VR. Program Rule(s) *VCS Monitoring Report, v4.2, Section 4.3* *VCS Verification Report, V4.2*	**Round 1** VVB Response As indicated in section 4.3 of the MR, in some cases, the Hi-Flow Samplers were not calibrated at 30-day intervals. However, it was observed by the verification team that those particular equipment's were not used for measurement during the period where there was a gap of more than 30 days between two calibrations, and whenever any equipment's were used, those were calibrated within 30 days prior to the measurements. This has been verified from the calibration log and certificates (please refer to item #20 in Appendix 1.1) and cross-checked and confirmed from the ER spreadsheet. Thus, the calibration details provided in section 4.3 of the MR are appropriate and acceptable. Same has been updated in section 4.4 of the revised VR. Verra Response The VVB must explain how the 30-day calibration timeline was applicable for the months of February, March, April, October and November where no calibration was done. **Round 2** VVB Response As per section 4.2 of the MR, *"The high flow sampler is calibrated and double-checked every 30 days while in use with the date and signature of the person in-charge of the calibration recorded in a calibration log."* This is consistent with the PD (CDM PDD section B.7.1 to be referred here) and in line with the applied methodology (please refer to Page no. 17 of CDM methodology AM0023, Version 04.0.0) which states, "Data measurement equipment will be calibrated and double	Closed

		checked on a regular basis. The manufacturer's recommended calibration procedures shall be applied." Thus, calibration was not required for the months of February, March, April, October, and November, as no measurements were taken in those months during this monitoring period. This was confirmed by the verification team by cross checking each date of measurement included in the ER calculation spreadsheet with the documented calibration dates. It can be seen that, in these months in question, no measurements were made with the HFS and that every date of measurement was within 30 days of a documented calibration. Hence, as already explained in section 4.4 of the VR, whenever any equipment's were used during this monitoring period, those were calibrated within 30 days prior to the measurement which is in line with the PD and MR and in accordance with clause no. 3.16.5. of VCS standard, Version 4.4.	
		Verra Response This finding is closed based on VVB's confirmation.	
		Round 3	
		VVB Response	
		Verra Response	

3	**Missing and incorrect information**		
	Issue 1. A description of the steps taken to assess whether the project is eligible to participate under the VCS Program is missing from section 3.1 of the VR. 2. As per the 'Uncertainty' tab in the ER spreadsheet, the total gas leak in the current monitoring period is 8,245 instead of 8244 as indicated in section 4.1 of the VR	**Round 1** VVB Response 1. A detailed description of the steps taken to assess whether the project is eligible to participate under the VCS Program has already been provided in section 3.1 of the gap validation report (please refer to item #06 of Appendix 1.1 of the VR), wherein the project's eligibility	Closed

	Action Required 1. The VVB must include the mentioned details and update section 3.1 of the VR in line with the instructional text of the VR template. 2. The VVB must ensure that accurate and consistent information is reported across all project documents. Program Rule(s) *VCS Standard v4.4, Section 4.1.17* *VCS Verification Report, V4.2, Section 3.1, 4.1*	under VCS program has already been established and this project does not fall under the excluded project activities listed in Table 1 of the VCS Standard version 4.4. Same has been updated in section 3.1 of the VR. 2. A total number of 8244 leaks have been included both in 'Uncertainty' and 'Total' tabs of the ER spreadsheet. Please note that row 665 of 'Total' tab and row 663 of the 'Uncertainty' tab do not contain any leak. Of note, these rows have been retained in the spreadsheet after removing an incorrect entry to not disrupt the calculations. However, there remained some old data in row 663 of 'Uncertainty' tab which have now been removed.	
		Verra Response This finding is closed based on VVB's confirmation.	
		Round 2	
		VVB Response	
		Verra Response	
		Round 3	
		VVB Response	
		Verra Response	