

# 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.

<b>Project ID</b>	3766
<b>Project Name</b>	Gansu Ganzhou Biogas Recovery and Utilization Project
<b>Review Type</b>	Registration and Verification Approval
<b>Program(s)</b>	VCS Program
<b>Verification Period</b>	01 August 2021 to 31 December 2022
<b>Project Proponent</b>	Gansu Founder Energy Conservation Sci &Tech Service Co., Ltd.
<b>Methodology</b>	AMS-III.D Methane recovery in animal manure management systems, version 21.0 AMS-I. D Grid connected renewable electricity generation, version 18.0
<b>VVB</b>	CTI Certification Co. Limited
<b>Assessment Criteria</b>	VCS Standard version 4.4
<b>Date of First Issue</b>	20 November 2023
<b>Review Conclusion</b>	Close
<b>Date of Final Issue</b>	01 December 2023

## FINDINGS

#	Finding Description	VVB Response	Status
1	<p><b>Incomplete information about project location</b></p> <p><u>Issue</u> According to the AMS-III.D, the project boundary includes the physical, geographical site(s) of (a) The livestock; (b) Animal manure management systems (including centralised manure treatment plant where applicable); (c) Facilities which recover and flare/combust or use methane.</p> <p>PP has not included the location information of Livestock farms in Section 1.12 of JMR.</p> <p><u>Action Required</u></p> <ol style="list-style-type: none"> <li>PP shall include the list of the livestock farms that meet the baseline conditions, their coordinates and respective distances to the plant.</li> <li>The VVB must verify these details and update the Joint VVR accordingly.</li> </ol> <p><u>Program Rule(s)</u> VCS Joint Project Description and Monitoring Report Template, Section 1.12 VCS Verification Report Template</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <ol style="list-style-type: none"> <li>The list of the livestock farms has been added in section 1.11 of JMR, including the coordinates and respective distances to the plant.</li> <li>VVB has updated pages 18-19 of section 3.1 of the VVR with an assessment to the related information.</li> </ol> <p><u>Verra Response</u></p> <ol style="list-style-type: none"> <li>Location details are added in section 1.11 of JMR, but Geo- Coordinates are not added. PP must add Geo Coordinates in section 1.12 of Joint Project Description and Monitoring Report</li> <li>VVB must verify and update the information in the relevant sections of VVR.</li> </ol> <p><u>Program Rule(s)</u> VCS Joint Project Description and Monitoring Report Template, Section 1.12 VCS Verification Report Template</p> <p><b>Round 2</b></p> <p><u>VVB Response</u></p> <ol style="list-style-type: none"> <li>Geo- Coordinates of the livestock farms have been added by PP in section 1.12 of the Joint Project Description and Monitoring Report.</li> <li>VVB verify the Geo-Coordinates by comparing with the google map and confirm the information is correct, the related information has been added into VVR.</li> </ol> <p><u>Verra Response: Geo- Coordinate details are added to MR and VVR. The issue is closed.</u></p>	Close

2 Error in SDG monitoring		
<p><u>Issue</u> In Table 1 of Section 1.17.2 of Joint PD and MR, PP has reported 736.56 MWh energy generation by the project activity. However, the value does not match the electricity generation data of the spreadsheet (monitored parameter worksheet). Further, in Section 4.1, of the Joint PD-MR, no supply to the grid happened during the entire MP.</p> <p><u>Action Required</u></p> <ol style="list-style-type: none"> <li>1. PP must clarify the exact energy generation data, and VVB shall make an assessment of the same.</li> <li>2. The VVB must revise the Joint VVR as needed.</li> </ol> <p><u>Program Rule(s)</u> VCS Joint Project Description and Monitoring Report Template, Section 1.17.2 VCS Verification Report Template, Section 3.1 Emission reduction calculation sheet – Monitored Parameters</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <ol style="list-style-type: none"> <li>1. In Table 1 of Section 1.17.2 of Joint PD and MR, the Current Project Contributions and Contributions Over Project Lifetime for SDG7.2 has been revised to 0 MWh for conservativeness, since the renewable electricity generated by the project was for internal use only during this monitoring period. The electricity data in ER spreadsheet (monitored parameter worksheet) is for the electricity consumed by the project imported from the power grid (<math>EC_{PJ,y}</math>), not for electricity generation data (<math>EG_{PJ,y}</math>). Therefore, there's no inconsistency.</li> <li>2. <u>VVB has updated the page 21 of section 3.1 of the VVR with assessment to the SDG 7.2 information.</u></li> </ol>	Close
	<p><u>Verra Response</u> SDG assessment has been added to FVR, and issues are resolved now.</p>	
	<p><b>Round 2</b></p>	
	<p><u>VVB Response</u></p>	
	<p><u>Verra Response</u></p>	
	<p>Geo- Co-ordinates are added to MR and Verified by VVB. Updated MR and VVR submitted. Issue is closed now.</p>	

3 Applicability condition of Methodology AMS-III.D		
<p><u>Issue</u> VVB has not justified the applicability criterion for condition 4-C of AMS-III.D in section 3.4.2 of Joint VVR.</p> <p><u>Action Required</u> 1. VVB must justify the above criteria in Joint VVR.</p> <p><u>Program Rule(s)</u> VCS Verification Report Template, Section 3.2, page 26</p>	<b>Round 1</b>	Close
	<p><u>VVB Response</u> VVB has updated page 27 of section 3.4.2 of the VVR with an assessment to the related applicability criterion as below, Via checking the project design and by onsite inspection, it is confirmed that the storage time of the manure after removal from the animal barns, including transportation, does not exceed 24 hours before being fed into the anaerobic digesters, which is much less than 45 days.</p>	
	<p><u>Verra Response</u> VVB has justified the criteria, and the issue is closed now.</p>	
	<b>Round 2</b>	
	<p><u>VVB Response</u></p>	
	<p><u>Verra Response</u></p>	

4 Grid emission factor calculation in ER sheet		
<p><u>Issue</u> The grid emission factor calculation is not included in the emission reduction sheet.</p> <p><u>Action Required</u></p> <ol style="list-style-type: none"> <li>1. The VVB must ensure that the PP adds a tab demonstrating the estimation of the grid emission factor in line with the applicable tool.</li> <li>2. VVB must make an appropriate assessment of the steps taken to calculate the grid emission factor in Joint VVR.</li> </ol> <p><u>Program Rule(s)</u> VCS Verification Report Template, Section 4.1 Emission reduction calculation sheet</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u></p> <ol style="list-style-type: none"> <li>1. "Grid EF" sheet has been added to the ex-ante ER calculation spreadsheet, showing the details of the grid EF calculation process which has been verified as in line with the data and calculation process issued by China DNA.</li> <li>2. <u>VVB has updated the page 39-40 of section 3.4.6 of the VVR with an assessment to the 6 steps for EF calculation.</u></li> </ol>	Close
	<p><u>Verra Response</u> Grid emission Factor Calculation is added to the Ex- Ante ERR sheet. VVB has also added assessment in section 3.4.6 of VVR</p>	
	<p><b>Round 2</b></p> <p><u>VVB Response</u></p>	
	<p><u>Verra Response</u></p>	

5 Assessment of monitored parameter							
<p><u>Issue</u> The VVB has not offered a sufficient assessment of the SVS<sub>j,LT,y</sub> parameters in section 4.1 of the JVVR.</p> <p><u>Action Required</u></p> <ol style="list-style-type: none"> <li>The VVB is required to explain the steps taken to verify the related SVS<sub>j,LT,y</sub> data, and to ensure the same is included in the spreadsheet and the Joint VVR.</li> <li>Relevant calculations shall be added to ER sheet.</li> </ol> <p><u>Program Rule(s)</u> Emission reduction calculation sheet</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #1a3d54; color: white;"> <th>Round 1</th> </tr> </thead> <tbody> <tr> <td> <p><u>VVB Response</u></p> <ol style="list-style-type: none"> <li>VVB has updated the page 62 of section 4.1 of the VVR with <u>assessment</u> taken to verify the related SVS<sub>j,LT,y</sub> data. The original daily data has all been checked by VVB as listed in the monthly production summary table/14/, it is verified that the weighted average monthly values of SVS<sub>j,LT,y</sub> data has been correctly calculated based on the original daily data.</li> <li>ER spreadsheet (monitored parameter worksheet) have already provided with the weighted average monthly values of SVS<sub>j,LT,y</sub> data and the calculation process for weighted average of the year has been listed and verified in line with the supporting evidence/14/.</li> </ol> </td> </tr> <tr> <td> <p><u>Verra Response</u></p> <ol style="list-style-type: none"> <li>VVB has justified the SVS<sub>j,LT,y</sub> parameters on page 62 of the VVR</li> <li>VVB has verified the data listed in the monitored parameter worksheet.</li> </ol> </td> </tr> <tr style="background-color: #1a3d54; color: white;"> <th>Round 2</th> </tr> <tr> <td> <p><u>VVB Response</u></p> </td> </tr> <tr> <td> <p><u>Verra Response</u></p> </td> </tr> </tbody> </table>	Round 1	<p><u>VVB Response</u></p> <ol style="list-style-type: none"> <li>VVB has updated the page 62 of section 4.1 of the VVR with <u>assessment</u> taken to verify the related SVS<sub>j,LT,y</sub> data. The original daily data has all been checked by VVB as listed in the monthly production summary table/14/, it is verified that the weighted average monthly values of SVS<sub>j,LT,y</sub> data has been correctly calculated based on the original daily data.</li> <li>ER spreadsheet (monitored parameter worksheet) have already provided with the weighted average monthly values of SVS<sub>j,LT,y</sub> data and the calculation process for weighted average of the year has been listed and verified in line with the supporting evidence/14/.</li> </ol>	<p><u>Verra Response</u></p> <ol style="list-style-type: none"> <li>VVB has justified the SVS<sub>j,LT,y</sub> parameters on page 62 of the VVR</li> <li>VVB has verified the data listed in the monitored parameter worksheet.</li> </ol>	Round 2	<p><u>VVB Response</u></p>	<p><u>Verra Response</u></p>
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<p><u>Verra Response</u></p> <ol style="list-style-type: none"> <li>VVB has justified the SVS<sub>j,LT,y</sub> parameters on page 62 of the VVR</li> <li>VVB has verified the data listed in the monitored parameter worksheet.</li> </ol>							
Round 2							
<p><u>VVB Response</u></p>							
<p><u>Verra Response</u></p>							
	Close						

6 Baseline Assessment		
<p><u>Issue</u> On pages 14-15 of the FVR, the VVB has mentioned that “the baseline scenario is the same as the scenario existing prior to the implementation of the project activity, which has been confirmed during the site interview with PP and on-site checking the baseline uncovered open lagoon (<u>not used but still there</u>)” [emphasis added]. The text “not used but still there” is unclear whether it is in reference to the baseline or project scenario.</p> <p><u>Action Required</u></p> <ol style="list-style-type: none"> <li>The VVB must justify the baseline scenario and clarify whether the uncovered open lagoon was used during the baseline scenario.</li> </ol> <p><u>Program Rule(s)</u> VCS Verification Report Template, Section 3.1, pages 14-15</p>	<p><b>Round 1</b></p> <p><u>VVB Response</u> The related parts in the VVR have been updated with more clear assessment as below, “on-site checking the baseline uncovered open lagoon (not used in project scenario but not removed) and photo of baseline using/20/ to prove the uncovered open lagoon was used during the baseline scenario.”</p>	Close
	<p><u>Verra Response</u> The baseline scenario is now clarified. The issue is closed.</p>	
	<p><b>Round 2</b></p>	
	<p><u>VVB Response</u></p>	
	<p><u>Verra Response</u></p>	