

PROJECT REVIEW REPORT

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

Review Type	Registration
Project ID	2880
Project Name	Binzhou Topigs Norsvin Breeding Swine Co., Ltd. Binhai Swine Farm Biogas Recovery and Utilization Project
Program(s)	VCS
Verification Period	NA
Project Proponent	Binzhou Topigs Norsvin Breeding Swine Co., Ltd. Binhai Branch
Methodology	AMS-III.D “Methane recovery in animal manure management systems” version 21.0
VVB	Shenzhen CTI International Certification Co., Ltd
Assessment Criteria	VCS Standard Version 4.3
Date of First Issue	15 November 2022
Review Conclusion	Approve
Date of Final Issue	27 December 2022

ASSESSMENT FINDINGS			
#	Description	Response	Status
1	<p>Project Start date</p> <p><u>Issue</u></p> <p>The project start date is 5 August 2020 and defined as the <i>operation start date</i>, as per the <i>Breeding Acceptance Confirmation</i>. However, it is not clear which activity started on that date and if it is the earliest date in which emission reductions occurred.</p> <p><u>Action item</u></p> <p>The VVB must further explain which activity started on 5 August 2020 in order to confirm that no GHG emission reductions occurred before that date, providing that the production of biogas is also considered an activity to reduce GHG emissions.</p> <p><u>Program rule(s) or methodology section</u></p> <p>VCS Standard v.4.2, Section 3.7</p>	<p>Round1:</p> <p>VVB Response:</p> <p>As per section 3.7 of VCS Standard, version 4.3, it was identified that “the project start date of a non-AFOLU project is the date on which the project began generating GHG emission reductions or removals. The project start date of an AFOLU project is the date on which activities that led to the generation of GHG emission reductions or removals are implemented”.</p> <p>As per Operation Log, it is confirmed that the anaerobic animal manure treatment system started operation on 05/08/2020, i.e. GHG emission reductions generated since 05/08/2020.</p> <p>PD and VR has been revised.</p> <p>Verra Review:</p> <p>The VVB confirmed that the start date complies with the VCS definition. The finding is closed and no further action is required.</p>	Closed
2	<p>Insufficient mechanism for on going communication with local stakeholders</p> <p><u>Issue</u></p> <p>Section 2.2 of the project description states that communication of key implementation schedules and changes to the project will be done to the local authority which will inform the neighborhood and</p>	<p>Round1:</p> <p>VVB Response:</p> <p>As confirmed with PP, stakeholder meetings will be held every year to keep on-going communications with various stakeholders, besides, local government</p>	Closed

local residents and that the local authority will collect the information. However, this mechanism is dependent on the local authority and does not ensure that all the stakeholders are communicated. Further, the validation report Section 3.2.2 states that stakeholder meetings will be held every year, while the project description does not make that reference.

Action item

- 1) The VVB must ensure that the project proponent includes appropriate mechanisms in order to ensure the on-going communication with all the stakeholders.
- 2) The VVB must further validate that appropriate mechanisms in order to ensure the on-going communication with all the stakeholders are established by the project proponent.

Program rule(s) or methodology section

VCS Project Description Template v4.1, Section 2.2
 VCS Validation Report Template v.4.1, Section 3.2.2

agencies and competent authorities will conduct spot checks on the implementation of the project.

A clearer description has been supplemented in section 2.2 of the PD. The related assessment has been supplemented in the VR.

Verra Review:

The PD was updated including information on the ongoing communication mechanism. The finding is closed and no further action is required.

3 Missing information on public comments

Closed

Issue

Section 2.4 of the project description does not indicate the results of the public comment period.

Action item

The VVB must ensure that the project proponent includes in the project description the results and dates of the public comment period conducted. Further the VVB must ensure that the public comments, if any have been assessed and addressed properly.

Program rule(s) or methodology section

VCS Project Description Template v4.1, Section 2.4

Round1:

VVB Response:

CTI Validation Team noted that this project was open for public comment from 23/04/2022 to 22/05/2022. The detail was checked by CTI Validation Team in the following web platform: <https://registry.verra.org/app/projectDetail/VCS/2880>. During the period, no public comments were received.

The same has been included in section 3.2.4 of the VR.

Verra Review:

The PD was updated with the required information. The finding is closed and no further action is required.

4 Missing justification for methodology criteria

Closed

Issue

The project description (page 32) excludes the *project emissions from the storage of manure* ($PE_{storage,y}$) since the storage time of the manure after removal from the animal barns, including transportation, is within 24 hours before being fed into the anaerobic digester. However, and in order to exclude these emissions condition from para. 24 (b) also has to be complied with (i.e., The dry matter content of the manure when removed from the animal barns is less than 20%).

Action item

1. The VVB must ensure that the project proponent justifies how condition from AMS.III-D, v.21.0 para. 24 (b) has been complied with.
2. The VVB must validate how condition from AMS.III-D, v.21.0 para. 24 (b) has been complied with.

Program rule(s) or methodology section

AMS.III-D, v.21.0 para. 24 (b)

Round1:

VVB Response:

As per para 24 of AMS-III.D., project emissions on account of storage of manure before being fed into the anaerobic digester shall be accounted for **if both condition (a) and condition (b) below are satisfied:**

(a) The storage time of the manure after removal from the animal barns, including transportation, exceeds 24 hours before being fed into the anaerobic digester;

(b) The dry matter content of the manure when removed from the animal barns is less than 20%.

By checking EIA Report of the project activity and interview with PP during site visit, it is confirmed that the storage of manure before being fed into the anaerobic digester is 12 hours and condition(a) is not satisfied.

Therefore, “both condition (a) and condition (b) are satisfied” as required by AMS-III.D. cannot be met and it is not necessary to discuss the compliance with condition (b).

As justified above, project emissions on account of storage of manure before being fed into the anaerobic digester are not accounted for, i.e. $PE_{storage,y} = 0$.

A clearer description has been supplemented in section 4.2 of the PD. The related assessment has been supplemented in the VR.

Verra Review:

The VVB clarified that condition b of the methodology does not need to be complied with. The finding is closed and no further action is required.

5 Missing monitored parameters in Section 5.2

Closed

Issue

Section 5.2 of the project description does not include the following monitored parameters:

- a) The temperature of the flare (*TEG,m*) and the flow rate of the residual gas to the flare (*FRG,m*) to confirm that the flare operates within the manufacturer’s operating specification (*SPECflare*) in the minute *m*
- b) Flame detection in minute *m*
- c) Proper soil application of residual waste
- d) Genetic source of the production operations livestock originates from an Annex I Party;
- e) The formulated feed rations (*FFR*) which are optimized for the various animal(s), stage of growth, category, weight gain/productivity and/or genetics
- f) The project specific animal weights are more similar to developed country IPCC default values.
- g) Boiler’s output (as required by para. 22 of AMS-III.D, v.21.0)

Round1:

VVB Response:

The monitored parameters of a), b), c), d), e), f) and g) have been supplemented in section 5.2 of the PD. The corresponding assessment has been supplemented in the VR.

Verra Review:

The PD was adjusted as required. The finding is closed and no further action is required.

Action item

- 1) The VVB must ensure that the project proponent includes the above parameters in Section 5.2 of the project description.
- 2) The VVB must validate that the included parameters are monitored as per the applicable requirements.

Program rule(s) or methodology section

VCS Project Description Template v.4.1, Section 5.2

VCS Validation Report Template v.4.1, Section 3.3.8

AMS-III.D, v.21.0, para 18 (d), 22 and 34

TOOL06, v.4.0

Background information

Page 15 of AMS-III.D, v.21.0 requires for the parameter VSLT,y: *When developed country values are to be used in the project, relevant parameters specified in the paragraph 18(d) and 36(b) shall be monitored/documented.*

6 Missing description and assessment of applicable conditions

Closed

Issue

The project description uses Bo and VS values applicable to developed countries, however it is not clear how conditions ii to iv of para. 18(d) of the applied AMS-III.D, v.21.0 have been complied with.

Action item

- 1) The VVB must ensure that the project proponent describes and complies with all the applicable requirements in order to use Bo and VS values applicable to developed countries in the project description.
- 2) The VVB must validate how the project proponent complies with all the applicable requirements to use Bo and VS values applicable to developed countries.

Program rule(s) or methodology section

AMS-III.D, v.21.0, para. 18 (d)

Background information

AMS-III.D, v.21.0, 18 (d) states that:
Bo or VS values applicable to developed countries can be used provided the following four conditions are satisfied: (i) The genetic source of the livestock originates from an Annex I Party; (ii) The farm uses formulated feed rations (FFR) which are optimized for the various animal(s), stage of growth, category, weight gain/productivity and/or genetics; (iii) The use of FFR can be validated (through on-farm record keeping, feed supplier, etc.); (iv) The project specific animal weights are more similar to developed country IPCC default values.

Round1:

VVB Response:

para. 18(d) of the applied AMS-III.D, v.21.0 can be met. The descriptions have been supplemented in section 5.1 of the PD. The corresponding assessment has been supplemented in the VR.

Verra Review:

The VVB updated the report including the assessment of the applicability conditions. The finding is closed and no further action is required.

