GHG Statement Report

Information requirements for verification are as follows:

- GHG Statement Report (this document) containing information relating to the GHG Statement
- GHG Statement calculations (provided separately)
- Supporting information including copies of raw data used

An appropriate level of information should be provided with a clearly referenced and transparent audit trail of decision making, assumptions, explanations, such that a verifier can trace all inputs, outputs and decision making. All data sources and assumptions must be clearly referenced, transparent and traceable.

After this document has been completed for the first time, it may be acceptable to refer back to relevant sections for subsequent Reporting Periods, for example if there have been no changes to the GHG Assessment scope, data collection methodology, calculation methodology or assumptions.

There is no word limit for answers in sections below.

General Information	
Name of practitioner who prepared the GHG Statement, and relevant competencies. This should include an overview of relevant qualifications and experience undertaking GHG assessments.	*Jose Ubillus*
Name of Project / link to Project page on Isometric Registry	https://registry.isometric.com/project/prj_1HHYZFVGW1S044ZY
Date of report	08/08/2024
Please specify the Reporting Period this GHG Statement has been prepared for (the Reporting Period describes the time period over which the carbon removal activity assessed in the GHG Statement occurred)	07/01/2024 – 07/31/2024
Relevant project information if not included in PDD	Current loads submitted corresponds to all loads emplaced during the current reporting period
Details and links to any supporting documentation	

Please confirm that the GHG Statement has been undertaken in accordance with the information provided in the project boundary section of the PDD. Provide any additional information relating to the GHG Statement project boundary here.	Yes

GHG Statement Methodology - Data
Provide information on the GHG Statement approach and methodology in relation to data collection. *This should include the following information as a minimum:* ● *Data collection procedures - how data was requested and gathered, who supplied each data point, the format data was received in, and the date data points were received* ● *How data quality was assessed and how the data hierarchy was followed in terms of using measured, calculated and estimated data. Evidence and justification should be provided in any cases where measured data was not used* ● *Details of data validation processes followed, including treatment of missing data* *Evidence of all raw data that informed the assessment (including data that informed any assumptions) must be appended to the PDD, or linked within the GHG Statement.*
Please refer to the original GHG Statement. Nothing has changed from the last report.

GHG Statement Methodology - Calculations
Provide information on the GHG Statement approach and methodology in relation to

calculations.

This should include the following information as a minimum:

- *General description of the methodology, criteria and procedures used as a basis for the assessment, including reference to any documentation (including Isometric protocols and modules), guidance, industry standards and best practice that were followed*
- *Information on calculation procedures followed*
- *Information on any tools used as part of the assessment*
- *Procedure for selecting emission factors including how age (age of data, and the period over which they have been collected), geography (the region or country from where the data have originated), technology (whether the data are specific to a particular technology or mix of many), methodology (the approach applied to gather or calculate the data) and competency (proficiency of entity that developed the data) were considered.*
- *Assumptions and limitations - provide full transparency in terms of value-choices, rationales and expert judgements*
- *Details of a sensitivity analysis, how parameters were assessed and evidence behind choices*
- *Details of uncertainty analysis*
- *Details of any uncertainty adjustments (e.g. %) applied in instances of high uncertainty*

Manure supplied by 4-S Feeders was injected during this audit period. Manure sample weight is updated to 0.41kg per sample, which is used to estimate the sampling emissions.

Manure grinder (Grinder weight: assumed to be the maximum operating weight) and front loader (Front loader weight: assumed to be the operating weight for stockpiling) were included as equipment in the facility amount of steel. Assuming that the machine operating weight represents the total steel - this is an extra 30.056 tons to the previous amount of steel. Both machines fuel consumption is being considered when in use.

Additional information of the machinery can be found in the links above.

Nothing else has changed from the last report.

GHG Statement Results

The following information should be provided in this section:

- *Baseline results reported in t CO_2e for the Reporting Period*
- *Net CO_2e removals results reported in t CO_2e for the Reporting Period. These must be aggregated and also broken down into GHG SSRs*
- *If it has not already been covered in the '*Uncertainty assessment' section of the PDD, provide *outcomes of sensitivity and uncertainty analyses including a statement of how uncertainty affects the results and how it has been addressed to minimize misrepresentation*
- *A statement of how the assumptions and choices made in the assessment are conservative*

The GHG Statement calculations must be provided separately, including all raw data and evidence. The GHG Statement calculations must be clearly referenced with a transparent audit trail of evidence, decision making, assumptions, explanations.

Vaulted geologically sequestered 4,713.16 US tons of waste during this audit period, the equivalent of 1,296.73 metric tons of gross CO_2 is permanently removed from the atmosphere. Associated with this activity, a number of emissions occurred, including:

- 12.01 tons of CO_2 emissions from energy consumption on site (processing & injection)
- 40.74 tons of CO_2 emissions from transportation to facility
- 0.86 tons of CO_2 emissions from diesel consumption on site
- 2.19 tons of CO_2 emissions from embedded carbon
- 0.00369 tons of CO_2 emissions from lab sampling

Together, a total of 55.82 tons of CO2e were emitted due to the carbon removal activities.

This resulted in a total of 1,240.96 net tons of CO2e removed from the atmosphere.

Please refer to the original GHG Statement for a summary of assumptions and choices made.