

GHG Statement Report

Version 1.6

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.

Section A – General Project Information

General Information	
<i>Name of practitioner who prepared the GHG Statement, and relevant competencies. This should include an overview of relevant qualifications and experience undertaking GHG assessments.</i>	Max Lavine Charm Industrial Protocol and Verification Lead
<i>Name of Project / link to Project page on Isometric Registry</i>	https://registry.isometric.com/account/mrv
<i>Date of report</i>	6/21/24
<i>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)</i>	3/1/24-4/30/24
<i>Relevant project information if not included in PDD</i>	
<i>Details and links to any supporting documentation</i>	All raw data and supporting documentation has been submitted either 1) directly to

	Isometric via API, or 2) directly to the Verifier via upload to shared folders
<i>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.</i>	Confirmed

Section B – Project Details

B. GHG Statement - Project Details

Provide information on the Project design and implementation concerning the reporting period.

This should include the following information as a minimum:

- *Key features of the Project including a technical description*
- *information on the implementation status of the project, For the description of the installed technologies, technical processes and equipment, include diagrams, where appropriate*

There are no additional details to highlight beyond what is provided in the main PDD for this reporting period.

Section C – Project Changes

C.1 Summary of changes

Please provide details of any changes or deviations from the planned implementation, operation, or monitoring of the project activity that occurred during this reporting period. Project Proponents must determine whether the changes are temporary deviations or permanent changes.

Temporary deviations could include deviations from:

- a) The monitoring plan mentioned in the approved PDD.*
- b) The applied Protocol.*
- c) The applied modules.*
- d) Data collection procedure.*

If there were any temporary changes or deviations corresponding to this reporting period, please include the details of those changes in this section. If the changes do not fall into the above categories, please note them in Section F of the corresponding PDD instead.

(If there were no deviations during the reporting period, this section is not applicable. In that case, kindly leave this section blank and mention "Section is intentionally left blank.")

1. The mass of salt delivered to the pre-processing site is estimated by the site manager. This is due to the fact that the salt was provided free of charge, so no invoice or similar documentation of the mass delivered was provided. Moving forward, deliveries are expected to be documented and that documentation will be used as evidence of the mass of salt delivered and related delivery emission calculations. However, March, April, and May salt delivery quantities will rely on site manager estimates.
2. March injectate pH and Temperature readings were taken by Charm staff, rather than Vaulted staff as described in the PDD monitoring plan. Vaulted staff took readings for April and will be taking them for future removals.

C.2 Impact of changes

For each deviation, provide a description of the nature, extent and duration of the non-conforming reporting period, and:

- a) Propose alternative monitoring arrangements for the non-conforming reporting period; or*
- b) Apply the most conservative values approach*

(If there were no deviations during the reporting period, this section is not applicable. In that case, kindly leave this section blank and mention "Section is intentionally left blank.")

Table: 1 Temporary changes to the project

<i>Period of change</i>	<i>Nature of change</i>	<i>Impact of change</i>
March - May	Salt delivery quantities estimated due to lack of	<i>De minimis</i>

	invoicing/documentation for free product	
March	Injectate pH and Temperature recorded by Charm staff rather than Vaulted staff	<i>De minimis</i>

Section D – GHG Statement Methodology

D.1 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.

This section has not changed from what is presented in the PDD, please reference Appendix 2 of the PDD for information on the items above

D.2 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*

This section has not changed from what is presented in the PDD, please reference Appendix 2 of the PDD for information on the items above

Section E – GHG Statement Results

GHG Statement Results		
<p><i>The following information should be provided in this section:</i></p> <ul style="list-style-type: none"> • <i>Baseline results reported in t CO₂e for the Reporting Period</i> • <i>Net CO₂e removals results reported in t CO₂e for the Reporting Period. These must be aggregated and also broken down into GHG SSRs</i> • <i>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</i> • <i>A statement of how the assumptions and choices made in the assessment are conservative</i> <p><i>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.</i></p>		
Gross Bio Oil Sequestered	Kg	MT
	136649	136.649
Gross CO₂e Sequestered	Kg CO ₂ e	MT CO ₂ e
	214012	214.012
Process Emissions	Kg CO ₂ e	MT CO ₂ e
Biomass Pyrolysis	15407	15.407
Bio-Oil Transport	42760	42.76
Bio-Oil Pre-Processing and Injection	44705	44.705
Total Process Emissions	102872	102.872
Amortized Embodied Emissions	Kg CO ₂ e	MT CO ₂ e
	3329	3.329

Uncertainty Discount	Kg CO2e	MT CO2e
	601	0.601
Total Emissions for Reporting Period (kg)	106201	
Total Emissions for Reporting Period (MT)	106.201	
Net Removals for Reporting Period (kg)	107210	
Net Removals for Reporting Period (MT)	107.21	

Please reference the PDD for documentation of uncertainty and sensitivity analyses, and an account of system boundaries, monitored data, and calculation methodology. All raw data and evidence regarding these removals has been transferred to Isometric from Charm's Ledger via API.

Section F – GHG Statement Version Changes

GHG Statement Version Changes	
<i>For each statement resubmission, please specify the new version date (which is the same as the resubmission date) and the updated total of CO₂e tonnes removed.</i>	
GHG Statement Versions	
<i>Version date</i>	<i>Total CO₂e tonnes removed</i>
6/17	107.21
6/21	107.21
7/3	107.21

Document History

Version	Date	Description
v1.6	June 2024	Revision to include Section F - GHG Statement Version changes, in line with the versioning product experience
v1.5	May 2024	Revision to include section on project changes, and other editorial changes
v1.4	November 2023	Public version

