Verification Statement

Introduction

EcoEngineers has carried out the verification of the carbon dioxide (CO_2) emission reduction project for the following company:

Company Information

CO_2 Removal Supplier
Lithos Carbon

Feedstock Supplier:
[redacted] Quarry
[redacted], North Carolina, United States, [redacted]

GHG Removal Method
Enhanced Rock Weathering in Agriculture

Puro.Earth Production Facility Name / Production Facility ID
Lithos Carbon US Southeast ERW Deployment / 203380

Reporting Period
May 19, 2024 – May 20, 2025 (Batch 2)

EcoEngineers has examined the project's calculations of carbon dioxide removal credits (CORCs) as reported in Lithos Carbon's Southeast Batch 2 life-cycle analysis (LCA) report and CORC Summary Report, for the period of May 19, 2024 to May 20, 2025. EcoEngineers' verification (output audit) has been completed in accordance with the Puro.Earth Standards, Requirements, and Enhanced Rock Weathering Methodology 2022 v2.

Responsibility of Lithos Carbon and EcoEngineers

Lithos Carbon's management is responsible for the preparation of the data collection, compilation, and fair presentation of the LCA model, CORC Summary Report, and related claims for Batch 2 of the Southeast Facility in accordance with the Puro.earth Enhanced Rock Weathering Methodology 2022 v.2.

EcoEngineers is responsible for expressing an opinion on the the Output Audit documents and CORC Report based on the completed verification activities for Batch 2 of Lithos Carbon's Southeast Facility.

EcoEngineers is an ANAB-accredited independent validation and verification body, accredited to ISO/IEC 17029:2019, ISO 14065:2020, and ISO 14064-3:2019. EcoEngineers declares that we are an impartial auditor, free from any conflicts of interest, capable, and qualified to complete this audit according to the Puro.earth General Rules and related Verification Requirements.

Objective and Criteria

The primary objective of the verification was to determine whether the CORCs claimed were within scope, real, quantifiable, additional, verifiable, counted once, and under clear ownership. EcoEngineers conducted verification activities in compliance with ISO 14064-3:2019 to verify the facility, operations, and supporting data collection practices. The verification was conducted following the criteria listed in Section 2.1 of EcoEngineers' Verification Report.

Verification Opinion

Based on the verification activities performed, EcoEngineers has issued the following verification opinion:

Qualified Positive – Production facility documents and reported values contained in Lithos Carbon's LCA model, CORC Summary Report, and related claims for the reporting period, are reasonably assured of being free of material misstatement, but were not in conformance with the requirements of Puro.earth Enhanced Rock Weathering Methodology 2022 v.2.

Verification Statement: QUALIFYING STATEMENT

During the review of the Lithos model simulations and the Batch 2 CORC Summary Report, EcoEngineers noted that the ERW model was missing possible secondary effects on dissolution of grains such as fluid supersaturation, clay formation and surface passivation effects; weather rates being affected by pH; and a respect-to-expected-performance in the field as noted in Section 8.1 of the methodology Lithos stated that they are "*unlikely to have time to upgrade the model in time for this verification but have noted these points for improvement ahead of the next verification. It is our understanding, from discussions with Puro, that the model should develop over time and is not used for crediting."* Despite this, the Lithos model follows one of the cited literatures for modelling approaches as noted in section 8.1 of the Enhanced Rock Weathering Methodology 2022 v2 (P. Renforth et al. 2015), and thus fulfil all other requirements for theoretical basis, specificity, parameters, modeled phenomena, uncertainty, and validations.

Due to the missing model information, EcoEngineers considered these issues as correctable errors that cannot be fixed within the time constraints of this verification and may result in nonconformance but not a material misstatement within the methodology.Therefore, a qualified positive statement is issued according to Section 2.3.2.4 of the Puro Standard General Rules and Section 6.3.2.3 of ISO 14064-3:2019.

Based on EcoEngineers' qualified positive verification opinion, the Lithos Carbon US Southeast ERW Deployment Facility project activities are eligble for issuance of 2,361.71 CO_2 Removal Certificates for the reporting period that is specified above.

EcoEngineers
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Lead Verifier: Zoe Nong
Date: November 28, 2025

Independent Reviewer: Jocelyn Stubenthal
Date: November 26, 2025