PRODUCTION FACILITY & OUTPUT AUDIT STATEMENT

350Solutions, Inc. has verified CO_2 removal capability and eligibility for CO_2 Removal Credits (CORCs) under the Puro.Earth Puro Standard General Rules v 3.0 and Geologically Stored Carbon Edition 2021 for the following company:

Technology & Company Information		
CO_2 Removal Supplier & Facility Operator	**Production Facility Location(s)**	**CO_2 Removal Method**
Red Trail Energy LLC	3682 North Dakota 8, Richardton, ND 58652, GSRN: 643002406801001142	Geologically Stored Carbon

350Solutions affirms that Red Trail Energy LLC has the appropriate equipment, procedures, and protocols in place and documented to quantify carbon dioxide (CO_2) removal through the measured injection of CO_2 in permitted Class VI wells and appropriate lifecycle analysis in accordance with the requirements of the Puro.Earth General Rules and Geologically Stored Carbon Methodology. Eligibility criteria are verified as follows:

Eligibility Criteria		
Criteria	**Verified Eligibility Status**	**Rationale**
Stores Carbon Dioxide in Geologic Formations	Eligible	CO_2 is injected into a permitted Class VI well.
CO_2 Biogenic Origin	Eligible	CO_2 sources are not mixed with fossil sources of carbon
Net Negative LCA	Eligible	Documented via valid LCA report
Raw Materials are Sustainably Sourced	Eligible	Biomass materials are procured regionally for ethanol production. Sustainable sourcing documentation is available
Environmental & Social Safeguards	Eligible	Facility properly permitted and compliance demonstrated
Additionality	Eligible	Project not required by regulation. Carbon finance supports financial viability
Carbon Content Quantification	Eligible	Injected gas CO_2 purity analysis is conducted by third party on several representative samples.
Production Facility Data	Eligible	Production facility data matches Puro.Earth Registry and meets the Puro.Earth definition of a 1st generation ethanol plant
OVERALL ELIGIBILITY	**ELIGIBLE**	
Eligible Period	**06/01/2022 to 07/31/2023**	
Total Verified CORCs	**157,592**	

350Solutions has audited and verified eligible CO_2 removals for the facility and period specified above. CO_2 removal credits have been calculated in accordance with the Puro.Earth Standard Rules and Geologically Stored Carbon Methodology. Additional details regarding the Production Facility and Output Audits can be found in the Production Facility & Output Audit Report – Red Trail Energy (Document ID 350VR-RTE-PU2309).

Verifier Information		
Verification Body	**Lead Verifier**	**Verification ID No.**
350Solutions, Inc.	Bill Chatterton	VS-RTE-PU2309

Signed: Bill Chatterton (Lead Verifier) Tim Hansen (Peer Reviewer)

Issue Date:

February 14, 2024

Valid for 5 years

from date of issue

PRODUCTION FACILITY & OUTPUT AUDIT STATEMENT:
Red Trail Energy LLC
Additional Information

TECHNOLOGY DESCRIPTION

The Red Trail Energy LLC (RTE) project captures CO_2 generated by the corn fermentation process during ethanol production. Fermentation exhaust is cleaned using a water scrubber which separates any remaining ethanol and other impurities to produce a purity stream of CO_2. From the scrubber, CO_2 exhaust is sent to compressors to raise its pressure to 325 psi. Upon compression, the CO_2 is dehydrated to remove any remaining water and is then sent to a refrigeration unit where it is subcooled to a liquid at –10°F. The condensed CO_2 is then lightly distilled and pumped through a flowline to an injection well onsite where it is sequestered permanently in the Broom Creek formation. The injected gas has high CO_2 purity (greater than 99.9%) with only trace quantities of nitrogen and oxygen. The process is summarized in Figure 1.

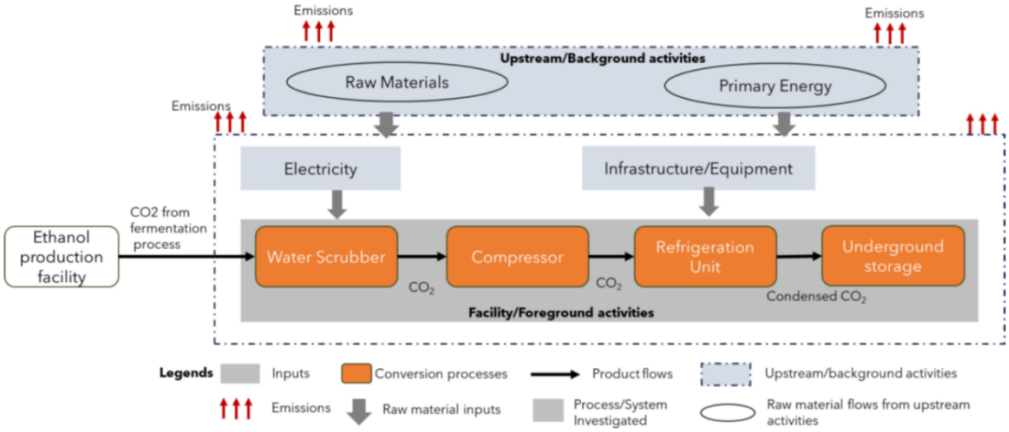

Figure 1. Red Trail Energy Carbon Capture and Geological Storage Process

VERIFICATION DESCRIPTION

Verification activities were conducted by 350Solutions to independently verify the production facility, operations, supporting data, and CORC claims. The verification was conducted following the specifications of Puro General Rules v 3.0 and the Geologically Stored Carbon Methodology, Edition 2021. The Production Facility Audit was completed via an in-person site visit to the RTE Ethanol Plant in Richardton, ND on December 21, 2023. Additional data was reviewed and verified remotely based on observation of on-site activities during the site visit.

DATA QUALITY & LEVEL OF ASSURANCE

350Solutions is an ANAB-accredited ISO/IEC 17020:2012 independent inspection body for ISO 14034:2016 Environmental Technology Verification. The 350Solutions Quality Management Plan and Quality Systems Procedures generally apply to activities associated with the Production Facility Audit and Output Audit performed in accordance with the Puro Standard. 350Solutions utilized a reasonable level of assurance in performance of the Production Facility & Outputs audits.

In broad terms, the data provided by RTE in accordance with the Puro Standard and methodology requirements was found to be acceptable for verification of initial CORC claims. Requirements and recommendations for improvement of data quality are provided in the Verification Report. All findings of the data quality review support verification of the performance claims and conform to the requirements of the standards.

Notice: 350Solutions, Inc. declares that we are an impartial auditor, free from any conflicts of interest, capable, and qualified to complete this audit according to Puro Standard and related Validation and Verification Body Requirements. Verifications and audits conducted by 350Solutions are based on an evaluation of technology performance and CO_2 removal claims via site visit observations and review of data submitted by the audited company. Audits are completed in accordance with rules and methodologies specified by client and utilizing the appropriate quality assurance procedures. 350Solutions makes no expressed or implied warranties as to the performance of the technology and does not certify that a technology will always operate at the levels verified, nor that it meets all state, local, or federal legal requirements.