



Verification Report for GHG CleanProjects® Registry

Final Verification Report for:

Farmers Edge Smart Carbon Soil Carbon Project 1

Crediting Period: 2018-2021

Project Identifier: 6890-7848

Verification Report Version 4.0

Project Developer

Farmers Edge Inc.

Third Party Assurance Provider:

Tetra Tech (File No. 704-ENW.CENW03598-01)

Date:

February 4, 2022

GHG CleanProjects® Registry requires that the verification report

- conforms to ISO 14064-3,
- includes a signed verification opinion,
- is prepared by an independent third-party,
- provides details on how conflict of interest issues were managed or mitigated,
- demonstrates that the verification body is competent to perform the verification of the GHG project that includes the GHG report, GHG statement(s), and the calculations of the GHG emission reductions or removal enhancements,
- includes in its scope the fact that the project conforms to the requirements of ISO 14064-2, and
- verifies the project to a reasonable level of assurance, including all GHG statement(s) and calculations of GHG emission reductions or removal enhancements.

In addition, the verifier must establish the materiality threshold required by the intended users while considering the parameters already agreed upon with the client. ISO 14064-3 provides a set of requirements and an extensive informative annex to help guide verifiers through the process of verifying a GHG project and GHG statement. In order to increase the consistency and credibility of the verified emission reductions or removals (VERRs) that are listed on the GHG CleanProjects® Registry, it is recommended that verifiers follow the guidance in the informative annex of the ISO 14064-3 standard when implementing the requirements of the standard

As a project proponent, you may request that the verifier demonstrate competence to perform the verification, including participated in training relevant to the use and applicability of the ISO 14064 series of standards. CSA Standard's Learning Centre offers on-site training and e-learning formats in English and French.

ISO 14064-3 requires that the principles of impartiality, evidence-based approach, fair presentation, documentation and conservativeness be followed. Therefore, conflict of interest must be addressed prior to verifications of the GHG project, GHG report, and GHG statement.

Table of Contents

1	Verification Objective and Details.....	2
1.1	Project title, purpose(s) and objective(s).....	2
1.2	Date when the project began.....	2
1.3	Verification Site Visit (date).....	2
1.4	Expected lifetime of the project	2
1.5	Type of greenhouse gas emission reduction or removal project.....	2
1.6	Verification of appropriateness of the methodology being used for the project	3
1.7	Legal land description of the project or the unique latitude and longitude	3
1.8	Ownership verification	3
1.9	Reporting, monitoring, and verification details.....	3
1.10	Level of assurance and verification summary	4
1.11	Roles and responsibilities	5
2	Verification Criteria	6
2.1	Scope.....	6
2.2	Materiality	7
3	Verification Plan.....	7
3.1	Procedures	7
3.2	Steps.....	9
3.3	Risk Assessment	9
3.4	Sampling Plan.....	12
3.5	Project specific testing procedure.....	13
3.6	Verification Schedule	14
3.7	Verification Records.....	15
3.8	Facts discovered after the verification	15
4	Verification Opinion	15

1 VERIFICATION OBJECTIVE AND DETAILS

Tetra Tech Canada Inc. (Tetra Tech) was contracted by Farmers Edge Inc. (Farmers Edge) to conduct a Greenhouse Gas (GHG) verification for its Farmers Edge Smart Carbon Soil Carbon Project 1 (the Project) registered under CSA GHG CleanProjects® Registry (the Registry). Project Identifier is 6890-7848. Farmers Edge is the project developer and submitted the GHG Project Application Form and supporting Schedules to the Registry. The GHG Project Application Form and supporting Schedules were accepted by the Registry, and the project was listed on the Registry.

The objective of the verification is to confirm data, controls and processes supporting the emission reduction or removal calculations as presented in the GHG report and corresponding GHG statement according to the procedures set out in ISO 14064-3.

Additional objectives include confirming that the GHG report and corresponding GHG statement conformed to the requirements and principles of ISO 14064-2 and are without material discrepancies.

1.1 Project title, purpose(s) and objective(s)

Project Title: Farmers Edge Smart Carbon Soil Carbon Project 1

https://www.csaregistries.ca/cleanprojects/masterprojectdetails_e.cfm?pid=1008

The purposes and objectives of this verification are to provide an independent assessment of the Project to identify any material and immaterial errors, omissions, misreporting, or misrepresentations (collectively called misstatements), and to provide our opinion to a reasonable level of assurance on the GHG Statement in the submission.

1.2 Date when the project began

The offset crediting period starts from January 1, 2018

1.3 Verification Site Visit (date)

November 24, 2021 - Hutterian Brethren Church of Sunnydale Colony and Raptor Enterprises Inc.

December 10, 2021 - TTT Acres

December 13, 2021 - Gongaware Grain Farm Ltd. and Brewster Farms Ltd.

The site visits interviewed

- Lulu Li – Farmers Edge,
- Jessica Bochek – Farmers Edge,
- Doug Cornell – Farmers Edge, and
- Growers from the visited farms.

1.4 Expected lifetime of the project

January 1, 2018, to December 31, 2030

1.5 Type of greenhouse gas emission reduction or removal project

The project implemented a direct seeding regime. The quantification of reductions is based off a protocol that was approved for use under Alberta's Offset system – the Conservation Cropping Protocol (CCP) – which quantifies reductions associated with tillage reduction. This protocol is used to form the basis of quantification and is

supported with additional modeling that was completed during an Ontario Protocol Development Process – which took the existing CCP and developed factors for other jurisdictions across Canada. No till adoptions levels are based on 2006 Census of Agriculture data.

The verification team has completed 6 CCP verification projects and is competent to perform the verification.

1.6 Verification of appropriateness of the methodology being used for the project

The methodology was developed based on the Conservation Cropping Protocol (CCP) approved by Alberta Environment and Parks (AEP) under Alberta Offset system. The project developer submitted a GHG Project Application Form and supporting Schedules to the CSA Registry and subsequently the application and supporting schedules were accepted by the Registry. The project ID on the Registry is 6890-7848.

The Alberta CCP was modified to be applicable for Alberta, Manitoba and Saskatchewan as well.

There is no regulatory or customer requirement for no till farming. The GHG Project Application Form and supporting Schedules were accepted by the Registry, and the project was listed on the Registry.

AEP stated in its letter to offset system stakeholders (dated November 18, 2019) that the CCP protocol can still generating offsets until expiry of the protocol on December 31, 2021. The scope of this CSA volunteer project verification is for 2018 to 2021, the Alberta CCP is still valid. The verifier reviewed GHG Project Application Form and supporting Schedules and reviewed the justification related to the deviation (extending ecozone coefficients and applying to Manitoba and Saskatchewan, in addition to Alberta).

The verifier is satisfied with the project developer's justification in the GHG report

- see Section 6.3 for coefficient calculations
- see section 3.7, 3.8 for description of deviation (coefficients applied to AB, MB and SK)
- see figure 1 on page 6 for adjusted ecozone borders

It is our opinion that the extension of CCP to Manitoba and Saskatchewan is appropriate. The protocol and methodology used in this project are deemed appropriate.

1.7 Legal land description of the project or the unique latitude and longitude

The project is an aggregate tillage project. The verifier plotted the sampled farms on Google Earth based on the land LSDs that were available from Title deeds and the project developer. Verifier's working file can be provided upon request

1.8 Ownership verification

The ownership of the project and the ownership of the emission reductions or removals are verified by reviewing the land title, Farmers Edge's contract agreements with the land owners, and the contract agreements between the land owners and the renters.

1.9 Reporting, monitoring, and verification details

Data collection for monitoring purposes follows Farmers Edge processes and data systems. Customer facing staff ensure data collection processes are executed and tracked in Farmers Edge data systems, FarmCommand, as well as SharePoint system and Customer Relationship Management (CRM) system.

Field staff who work directly with customers, which includes Solution Sales Specialist, Precision Agronomists, Precision Technicians, Client Success Managers and Administrators, each have a unique, secure login to the FarmCommand system. All additions and changes to data in the FarmCommand system are logged by a unique person so all data and documents can be tracked back to the person who last handled it. Also, many Farmers

Edge Agronomists, Precision Agronomists and Solution Sales Specialists are Certified Crop Advisors (CCAs) and/or Professional Agrolgists (P.Ag.). Designations are noted in system for review purposes.

Customer farm data is input into the FarmCommand system at two levels, Farm or Field. Farm level documents such as signed emissions contracts and Customer Service Agreements are collected during the customer sign-up or renewal process, captured as a DocuSigned pdf, or scanned to pdf format, and uploaded to the CRM system. Farmers Edge agronomic services contracts last four or five years. Then, each year, technical field staff work with the grower to help develop the annual crop plan for each field, which then forms the core of the agronomic data gathering system that is FarmCommand.

Field level data is mostly passively collected and gets monitored by the Precision Technicians and Precision Agronomists and any system issues are corrected. Field specific details not available electronically such as crop insurance and irrigation receipts are collected by the Tech's and Agronomists. Most Field level data is "monitored" or collected electronically using a Farmers Edge proprietary system, the CanPlug. The CanPlug system is a telematics-based data gathering device supplied for customer's tractors, combines and sprayers. The CanPlugs monitor the machinery data systems, harvest the GPS encoded data from the in-cab and attached machinery controllers (computers) and sends the data over cell networks to Farmers Edge's cloud database. This data is processed and becomes available information in the FarmCommand system. As a backup to this system, controller data is collected by our Precision Agronomists & Technicians from the in-cab controllers and then uploaded to FarmCommand.

The electronically collected data includes much of the crucial information for detailed agronomic consulting and CCP GHG calculations. Information tracked includes tillage activity from as-applied seeding and/or fertilizing application dates, the machinery involved and the location of each event in all zones of every field.

The verifiers interviewed field staff, farmers, and data management system administrators, and confirmed the monitoring systems and processes.

The verifier confirms that we are aware that the verification report will be publicly posted on the GHG CleanProjects® Registry and that the verification is of the GHG project and the related GHG report and GHG statement that will be posted publicly, including the date and version of the GHG report being verified and, if necessary, include the GHG report as an annex of the verification report.

The verifier confirmed that the project developer anticipates updating the GHG project documentation and report to the GHG CleanProjects annually.

This report is dated February 4, 2022 and it is the Revision 4 of the original report. The version 3 report is dated January 27, 2022. The original report was dated December 31, 2021. The first revision was dated January 18, 2022 to address the Registry's comments provided on January 13, 2022. This revision 2 and 3 is to address the Registry's comments provided on January 21, 2022 and January 27, 2022.

1.10 Level of assurance and verification summary

The verification was conducted to a reasonable level of assurance, but not absolute, that the GHG statement is materially correct and prepared in accordance with the related program criteria.

A summary of GHG reduction is provided in Table 1.

Table 1: Summary of GHG Reduction

Year	Emission Reduction (T CO2e)
2018	9,424

2019	9,961
2020	6,762
2021	4,151
Total	30,298

1.11 Roles and responsibilities

The roles and responsibilities of the project developer and the verification body are presented in Table 2 and 3.

Table 2: Project Developer's Roles and Responsibilities

Project Developer	Farmers Edge
Financial accounting	Jon Koffman, Head of Financial Reporting & Compliance, 25 Rothwell Road, Winnipeg, MB, Canada R3P 2M5 Jon.Koffman@farmersedge.ca 204.992.7052
Data monitoring and entry	Jessica Bocek, Carbon Data Lead, Jessica.Bocek@farmersedge.ca, 250.299.1698
Systems administration	Dylan McNaughton, Systems Analyst Manager, Dylan.Mcnaughton@FarmersEdge.ca 306-750-3591

Table 3: Verifier's Roles and Responsibilities

Verification Body	Tetra Tech
Signing Authority	Min Si, M.N.R.M., P.Eng. Cell: +1 (403) 369 5254 Min.Si@tetrattech.com Suite 110, 140 Quarry Park Blvd SE Calgary AB T2C 3G3 Canada tetrattech.com
Peer Reviewer	Nelson Lee, P.Eng. M.A.Sc. Cell: +1 778.317.7613 Nelson.Lee@tetrattech.com Suite 110, 140 Quarry Park Blvd SE Calgary AB T2C 3G3 Canada tetrattech.com
Verifier	Brittney Bietz, GIS Analyst Ling Bai, Verifier

2 VERIFICATION CRITERIA

The verification criteria include but are not limited to:

- conformance with the requirements and principles of ISO 14064-2,
- conformance with the requirements and principles of ISO 14064-3,
- conformance with the requirements and principles of International Accreditation Forum (IAF) Mandatory Document for the Use of Information and Communication Technology (ICT) for Auditing / Assessment Purpose (IAF MD 4:2018),
- the data supporting the GHG calculations have sufficient controls to be considered fair and accurate and without material discrepancy;
- the calculations supporting the GHG statement are sufficiently accurate to be considered fair and accurate and without material discrepancy;
- there are no competing claims to the ownership of the GHG project and the resulting emission reductions or removals.

2.1 Scope

The scope of the verification is presented in Table 4.

Table 4: Scope

Project Title	Farmers Edge Smart Carbon Soil Carbon Project 1
Project boundaries	Farmers located in Alberta, Saskatchewan, and Manitoba
GHG project	Aggregated tillage project
Quantification protocol or methodology and analysis	Adapted the Alberta Conservation Cropping Protocol. The Alberta CCP was modified to be applicable for Manitoba and Saskatchewan
Baseline scenarios	Under a baseline scenario, the conventional farming practice is the full till farming operation. Mechanical disturbances release soil carbon into the atmosphere
Physical infrastructure, activities, technologies, and processes of the GHG project	Under the project condition, no till systems were used, which results in reduced disturbance of the soil, reduced soil organic carbon decomposition and loss of terrestrial carbon stores relative to conventional tillage systems (i.e.: the baseline condition). No till systems also result in a reduction in the fossil fuel emissions from fuel consumed in conventional, full till farming operations. In the case of the drier soils (i.e., Dry Prairie soils), there is also a reduction in nitrous oxide emissions from agricultural soils under no till relative to full till farming.

GHG sources, sinks and/or reservoirs	GHG release from soil organic carbon decomposition and disturbance of the soil
Types of GHGs	CO ₂ , CH ₄ and N ₂ O
Time period(s).	January 1, 2018 to December 31, 2021 Please note: harvesting for 2021 is complete and there are no additional data to be collected by the time this report is generated and verified.

2.2 Materiality

The materiality threshold for the verification is set at 5 percent of the GHG statement in the project report.

3 VERIFICATION PLAN

3.1 Procedures

Conflict of interest and contract execution

The verification team performed the following procedures to assess the Conflict of Interest (COI):

- Assessed COI by evaluating five threats to the independence of the verification body and verifier: self-interest, self-review, advocacy, familiarity, and intimidation or economic implications. A checklist of COI was completed and signed by the Designated Signing Authority (DSA).
- Developed the verification team based on program criteria requirements, e.g. ISO 14064-3 training, years of experience, and technical experience. The statement of qualifications is provided in Appendix B.
- Confirmed with the Responsible Party for the assurance level, objective, scope, criteria, and materiality before finalizing contract.
- Conducted a kick-off meeting after contract execution.

Nature, scale and complexity of the verification activity

The following activities were carried out to assess the nature, scale, and complexity of the verification project:

- Requested initial information and data to support the assertion.
- Developed a verification plan, including risk assessment and sampling plan.
- Conducted initial desktop review.

Completeness of the boundary and sources in the assertion

The completeness of the boundary and sources was assessed by:

- Conducting site visits to determine GHG sources and compare with the report for completeness,
- Plotting farms on Google Earth, and
- Inspecting the equipment specification during the site visits.

Data management system and controls

The procedures to assess the GHG information system and controls included the following:

- Review data collection and transfer processes.
- Interview personnel for internal control procedures.
- Inquiry into data verification procedures for double entries.
- Examine records reconciliation.
- Observe data management system for farming areas claimed

Accuracy of data and information used in the assertion

The GHG data and information were assessed by:

- Reviewing and analyzing supporting evidence.
- Recalculating emissions.
- Communicating and resolving findings identified with the Responsible Party.

Use of quantification methodologies in the assertion

The quantification methodologies were assessed by:

- Reviewing GHG estimations, quantification, monitoring and reporting approaches and methodologies against relevant standards.
- Inspecting the GHG information for relevance, completeness, consistency, accuracy, and transparency.

Criteria

The conformance to the program criteria was assessed by:

- Compared GHG assertion against verification objectives, scope, materiality, and criteria.
- Conducted peer review and senior review to confirm the evidence gathered to support the GHG statement is appropriate and sufficient.

3.2 Steps

The verification step is presented in Figure 1.

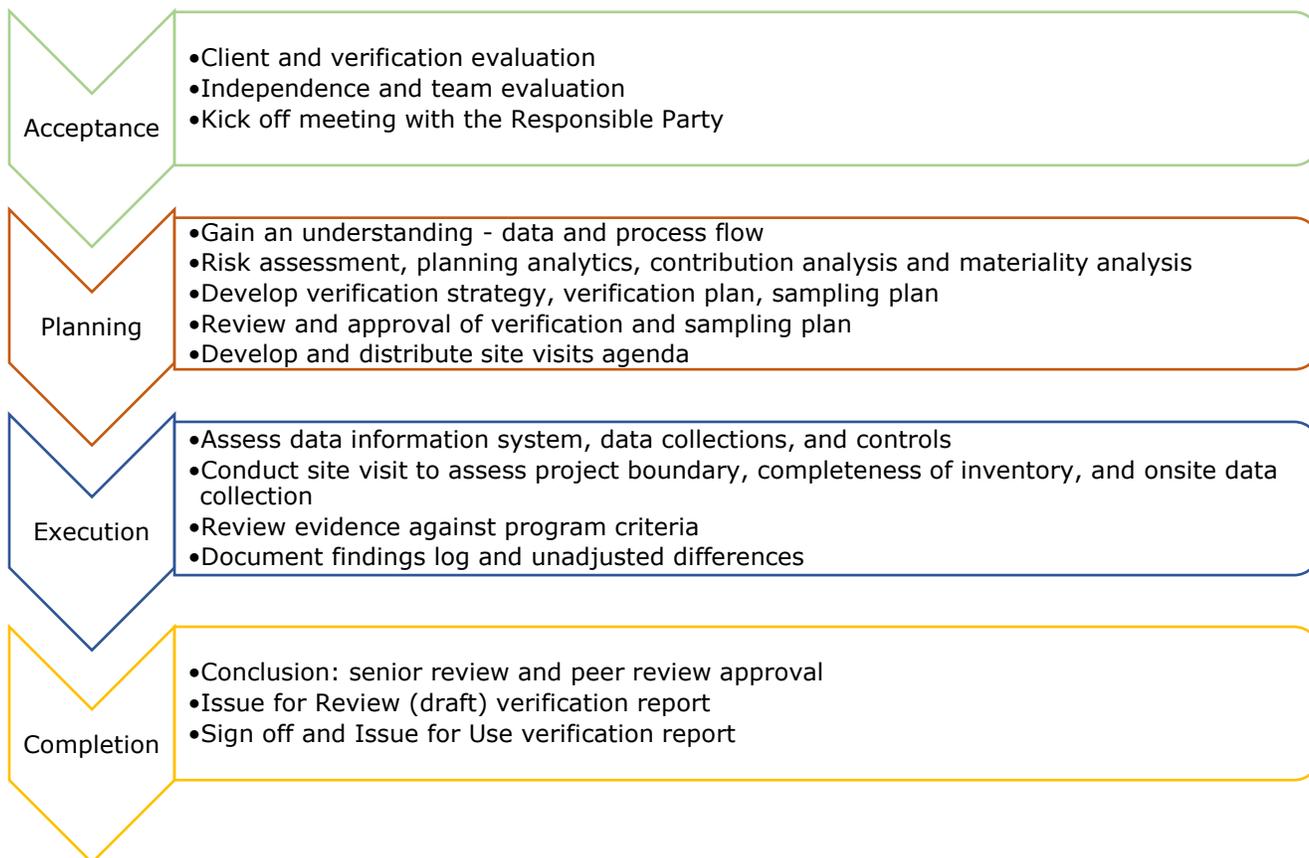


Figure 1: Verification Steps

3.3 Risk Assessment

As part of the verification process, a risk-based verification and sampling plan must be developed that outlines:

- The amount and type of evidence necessary to achieve the agreed level of assurance;
- Methodologies for determining representative samples; and
- Risks of potential errors, omissions, or misrepresentation.

Tetra Tech's verification team uses risk assessments to develop a compliant verification and sampling plan. The risk assessment includes considerations associated with regulatory requirements, GHG program requirements, industry/sector specific factors, and other non-technical risks.

The risk assessment considers inherent risk, control risk and detection risk. Inherent Risk (IR) is the Responsible Party's risk of material error, omission, or discrepancy due to the complexity of the facility or lack of capacity by staff at the facility. Control Risk (CR) is the risk that the Responsible Party's control system will not detect and rectify a material error, omission or discrepancy. Detection Risk (DR) is the risk that the Tetra Tech verification team will not identify a material discrepancy.

The International Standard on Auditing (ISA) states the audit risk is *a function of the risks of material misstatement and detection risk*. The Risk of Material Misstatement (RMM) consists of two components: IR and CR.

The overall verification risk can be expressed as below.

<p>Overall Risk = Inherent Risk × Control Risk + Detection Risk = Risk of Material Misstatement + Detection Risk</p>

The verification is designed to achieve low overall verification risk for a reasonable level of assurance. Therefore, DR is inversely related to the RMM.

The RMM is assessed using the matrix presented in Figure 2.

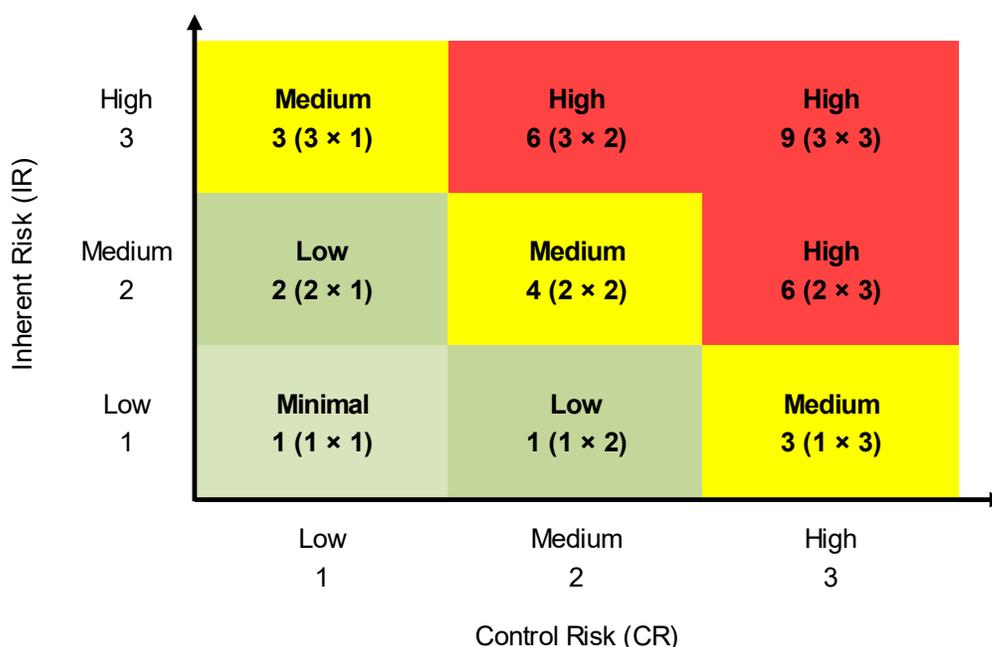


Figure 2: Risk of Material Misstatement

The risk assessment identifies and assesses the risks of material misstatement and determines the appropriate audit strategy to perform. For example, if IR=Low and CR=Low, then RMM is assessed as “Minimal”, and the audit strategy would be to place high reliance on internal controls and perform a minimal level of substantive tests (controls reliance approach). Alternatively, if IR=High and CR=High, then RMM is assessed as “High”, and the audit strategy would be not to rely on internal controls and perform a high level of substantive tests (primarily substantive approach). The risk-based verification strategy is presented in Table 6.

Table 5: Verification Strategy

Inherent Risk	Control Risk	Detection Risk	Risk of material misstatement	Verification Strategy		Amount of evidence review		Strategy
IR	CR	DR	RMM	Reliance on controls	Level of substantive tests	5% materiality	2% materiality	
			IR × CR					
Low	Low	High	Min	High	Med	55%	60%	High reliance on controls and a low level of substantive tests
	Med	High	Low	Med	Low	65%	70%	Moderate reliance on controls and a low level of substantive tests
	High	Med	Med	No	Med	85%	90%	No reliance on controls and a moderate level of substantive tests
Med	Low	High	Low	High	Low	65%	70%	High reliance on controls and a low level of substantive tests
	Med	Med	Med	Med	Med	85%	90%	Moderate reliance on controls and a moderate level of substantive tests
	High	Low	High	No	High	95%	98%	No reliance on controls and a high level of substantive tests
High	Low	Med	Med	High	Med	85%	90%	High reliance on controls and a moderate level of substantive tests
	Med	Low	High	No	High	95%	98%	No reliance on controls and a high level of substantive tests
	High	Low	High	No	High	95%	98%	No reliance on controls and a high level of substantive tests

Inherent risk is the risk of error due to the complexity of the aggregation or lack of understanding by farmers and Farmers Edge staff. Inherent risk is determined to be **high** due to:

- Project is spread out and data sources are not standardized; and
- Tillage projects have been identified as inherently high risk in the quantification protocol.

Control risk is the risk that the Responsible Party's control system will not detect and rectify a discrepancy.

Control risk is determined to be **medium** due to:

- Farmers Edge has a data management system (DMS) that has been demonstrated to be effective. This reduces manual manipulation of data. There is also a set of Quality Assurance / Quality Control (QA/QC) procedures to further detect and correct errors or omissions.

Based on the desktop review and risk assessment, the verification team determined that the biggest risk to the GHG assertion would be proper evidence of land area being claimed, evidence of irrigation in Dry Prairie, supporting evidence for equipment used, determination of ecozone, proof of ownership, and double counting (e.g., land titles).

Each contract sampled examined the documentation for land area being claimed, irrigation especially in Dry Prairie, equipment photo, ecozone classification, ownership, the right to transact, the existence of an annual crop, or first year of seeding of a perennial crop, QA/QC procedures, data management system controls, etc. Should the office and farm visit identify errors, omissions or misrepresentations that could not be justified and explained by the Responsible Party, Tetra Tech would increase the sample size to determine the nature of the error.

3.4 Sampling Plan

The sampling plan guides and ensures that sufficient and appropriate evidence is identified and assessed, in support of the principles and quantification methodology that formed the emission reduction assertion made by the Responsible Party. The sampling plan also ensures that sufficient and appropriate evidence has been collected and reviewed to disclose any material discrepancies that contribute to the GHG statement, if such exists. The following is a summary of key reporting elements examined:

- Ownership for offsets generated;
- Project boundaries;
- Methodologies, emission factors, and conversions used;
- Comparability with the baseline;
- Conformance to the program criteria;
- Integrity of the responsible party's data management system and controls;
- GHG data and information, including type of evidence collected, verification testing, and cross-checking;
- Comparison of the GHG assertion to the program requirements;
- Annual crop or first year of seeding of a perennial crop;
- Field size and location being claimed;
- Ecozone classification;
- Occurrences of soil disturbance and number of passes;
- Equipment pictures;
- Seeding/fertilizer specifications, and
- Irrigation in Dry Prairie.

The desktop review and risk assessment also considered:

- The projects are spread out and some data sources are not standardized; and
- Emissions factor of Parkland is applied to irrigation in Dry Prairie.

The minimum sample size for t CO₂e is determined using the following equation to ensure the sampling is at 95% confident interval with 1% of margin of error.

$$n' = \frac{\frac{z^2 \times p(1-p)}{\varepsilon^2}}{1 + \frac{z^2 \times p(1-p)}{\varepsilon^2 N}}$$

Where

n' is sample size for finite population.

z is z-score for 95% of confident interval

ϵ is margin of error, 1%

p is the population proportion, 0.5 is used since there is an equal chance that the t CO₂e being higher or lower than the true value.

n is the population size.

3.5 Project specific testing procedure

The project specific testing procedures conducted by the verifier are summarized in Table 7. The detailed working papers regarding the verification plan and schedule of procedures are available on request.

Table 6: Project Specific Testing Procedures

Reporting Element	Procedure
Project boundaries	Reviewed the project plan and project report. Cross-checked Google Earth. Conducted site (farm) visits.
Methodologies, emission factors, and conversions used	Reviewed the project plan, project report, and quantification method, verification data packages downloaded from the database.
Comparability with the baseline	Reviewed the calculation, farm record sheets, and crop insurance records.
Conformance to the program criteria	Reviewed the project plan, project report, calculation methodologies, evidence of ownership, and geographic boundary. Built a checklist to check against program criteria.
Integrity of the responsible party's data management system and controls	Reviewed the Project Developers procedures and data management system controls. Conducted site (farm) visits to determine farm location and interviewed farmers at sites. Reviewed management of GHG information system and records retention policy.
GHG data and information, including type of evidence collected, verification testing, and cross-checking	Reviewed land title records, crop insurance records, farm record sheets, satellite images, equipment photos, irrigation records. Cross-checked eco zone and farming area by Google Earth.
Comparison of the GHG assertion to Alberta offset program requirements	Reviewed the project plan, project report, calculation methodologies, evidence of ownership, and geographic boundary.
Land and Credit Ownership	Reviewed land title certificates and contracts between Project Developer and landowners and farmers.
Annual crop or first year of seeding of a perennial crop	Reviewed farm record sheets, crop insurance, seed receipts, etc.

Field size and location being claimed	Reviewed land title certificates, crop insurance, Google Earth images. Cross-checked by Google Earth. Interviewed farmers during site visits.
Eco zone classification	Checked against Project Developers classification. Plotted farms on Google Earth to confirm eco zone.
Occurrences of soil disturbance	Reviewed equipment photos, equipment serial numbers, equipment purchasing/rental receipts, and farm record sheets. Interviewed farmers during site visits. The verifier reviewed equipment pictures and visited five farms to confirm no till farming practice.
Seeding/fertilizer specifications	Reviewed photo evidence of equipment opener and spacing measurement.
Irrigation in Dry Prairie	Reviewed irrigation records, Google Earth images, and farm record sheets.

3.6 Verification Schedule

The verification schedule is provided in Table 7.

Table 7: Verification Schedule

Activity	Date
Project Awarded	October 26, 2021
Verification Plan	November 12, 2021
Site visit	November 24, December 10, December 13, 2021
Data Management System (FarmerCommend) review	December 14, 2021
QIS system review	December 21, 2021
Issue for Review (draft) Report	December 23, 2021
Issue for Use (signed) Report	December 31, 2021
Revision 1	January 18, 2022
Revision 2	January 25, 2022
Revision 3	January 27, 2022

Revision 4	February 4, 2022
-------------------	------------------

3.7 Verification Records

The records obtained and reviewed by the verifier include but are not limited to

- 1) Land title
- 2) Equipment pictures
- 3) Crop insurance
- 4) GIS images
- 5) Historical records for farming practices at farm level

Tetra Tech will maintain the records obtained or created during the verification on our SharePoint sites. The records will keep at least 7 years.

Tetra Tech reviewed the GHG Report dated January 24, 2022 and the GHG statement included in the January 24, 2022 report. The project developer confirmed the same GHG report and GHG statement will be presented for registration.

3.8 Facts discovered after the verification

There are no unsolved findings. During the verification, no material discrepancies were discovered. The data and information provided by the project developer to support the GHG statement in the Project Report are deemed sufficient and appropriate.

4 VERIFICATION OPINION

The GHG Statement is presented in Table 8.

Table 8: GHG Statement

Year	Emission Reduction (t CO2e)
2018	9,424
2019	9,961
2020	6,762
2021	4,151
Total	30,298

It should be noted that the project developer and the verifier cannot separate the CO2e into the individual greenhouse gases because the quantification protocol only provides co-efficient factor in t CO2e.

Tetra Tech reviewed the contract agreement between the project developer and farmers in Alberta. By signing the contracts, farmers acknowledged that they cannot participate in this volunteer offset project, if they are in projects under Alberta Emission Offset Registry (AEOR) for the same vintage year. Farmers Edge is also a project developer under AEOR. The lands included in this volunteer offset project were cross checked against Farmers Edge database to confirm no overlap. In addition, Farmers Edge also cross checked the lands against another CCP developer – Radical under AEOR to confirm no overlapping. Tetra Tech interviewed Farmers Edges' QA/QC

personnel for the crosschecking procedures and interviewed project team from Radical for the crosschecking procedures.

The verification conclusion is positive.

Based on our review, it is our opinion that, to a reasonable level of assurance, the GHG Statement presented in the Project Report:

- is materially correct and is a fair presentation of the GHG data and information; and
- is prepared in accordance with related criteria.

The statement of verification is provided in Appendix B.

Limitation of Liability

Tetra Tech has undertaken the verification of the GHG assertion in accordance with related program criteria. Tetra Tech has assessed the GHG assertion using reasonably ascertainable information as defined by ISO 14064. The assessment represents the condition in the subject area at the time of the assessment. Tetra Tech did not conduct direct GHG emissions monitoring or other actual environmental data sampling or gas composition analysis as part of this verification.

The purpose of this report is to identify noted exceptions and observations in the submission. This report is not intended to imply exhaustive compliance or non-compliance by the verification team. The verification team has made diligent efforts to sample applicable information available regarding GHG statement during the verification. Inherent limitations in verification sampling and review practices may result in the verifier not identifying all potential aspects of the assertion. Observations, exceptions, and conclusions are based on the judgment of the verifier. The limitations on the use of this document is provided in Appendix C.

Appendix A: CONFLICT OF INTEREST REVIEW CHECKLIST

CONFLICT OF INTEREST REVIEW CHECKLIST

The verifier and the verification team must ensure that they are truly independent from the project, project proponent(s), quantifier, and/or other agents related to the project. The verifier shall avoid any actual or potential conflicts of interest with the project proponent and the intended users of the GHG information. Guiding principles and verification activities from ISO 14064-3¹ are reproduced below, in a tabular format, with some modification. As a suggestion, you can present the conflict of interest details in the verification statement. The details on how the verifier conformed to these principles must be presented in the verification report.

	Yes	No	Details
Impartiality Design and execute the verification engagement so that it is objective and does not introduce bias.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Independence Remain independent of the activity being verified, and free from bias and conflict of interest.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Evidence-based approach Ensure the verification engagement employs a rational method for reaching reliable and reproducible verification conclusions and is based on sufficient and appropriate evidence.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fair presentation Ensure the verification activities, findings, conclusions and opinions are truthfully and fairly presented. Report significant obstacles encountered during the process, as well as unresolved, diverging opinions among verifiers, to the responsible party and the client.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Documentation Document the verification and ensure it establishes the basis for the conclusion and conformity with the criteria.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Conservativeness When assessing comparable alternatives, use a selection that is cautiously moderate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

¹ CSA ISO 14064-3:20 Greenhouse gases — Part 3: Specification with guidance for the verification and validation of greenhouse gas statements (Adopted ISO 14064-3:2019, second edition, 2019-04)

Appendix B: Statement of Verification

To Farmers Edge

Tetra Tech verified the GHG Statement presented in the Project Report for the carbon offset project - Farmers Edge Smart Carbon Soil Carbon Project 1 (Project Identifier: 6890-7848) for the period of January 1, 2018 to December 31, 2021.

The objective of the verification is to confirm data, controls and processes supporting the emission reduction calculations as presented in the GHG report and corresponding GHG statement according to the procedures set out in ISO 14064-3.

The GHG Statement being verified is presented in the table below

GHG Statement for the period of January 1, 2018 to December 31, 2021

Year	Emission Reduction
2018	9,424
2019	9,961
2020	6,762
2021	4,151
Total	30,298

The verification was conducted in accordance with the ISO 14064-3 Greenhouse gases — Part 3: Specification with guidance for the verification and validation of greenhouse gas statements. The verification criteria include but are not limited to:

- conformance with the requirements and principles of ISO 14064-2,
- conformance with the requirements and principles of ISO 14064-3,
- conformance with the requirements and principles of International Accreditation Forum (IAF) Mandatory Document for the Use of Information and Communication Technology (ICT) for Auditing / Assessment Purpose (IAF MD 4:2018),
- the data supporting the GHG calculations have sufficient controls to be considered fair and accurate and without material discrepancy;
- the calculations supporting the GHG statement are sufficiently accurate to be considered fair and accurate and without material discrepancy;
- there are no competing claims to the ownership of the GHG project and the resulting emission reductions or removals.

Project developer is responsible for the preparation and fair presentation of the GHG statement in accordance with the related program criteria. This responsibility includes designing, implementing and maintaining a data

management system relevant to the preparation and fair presentation of a GHG statement that is free from material misstatement.

The verifiers' responsibility is to provide assurance to CSA CleanProjects Registry that the GHG assertion is reliable and of sufficient quality. The verification is provided to a reasonable level of assurance.

The evidence reviewed included but were not limited to

- Ownership for offsets generated;
- Project boundaries;
- Methodologies, emission factors, and conversions used;
- Comparability with the baseline;
- Conformance to the program criteria;
- Integrity of the responsible party's data management system and controls;
- GHG data and information, including type of evidence collected, verification testing, and cross-checking;
- Comparison of the GHG assertion to the program requirements;
- Annual crop or first year of seeding of a perennial crop;
- Field size and location being claimed;
- Ecozone classification;
- Occurrences of soil disturbance and number of passes;
- Equipment pictures
- Seeding/fertilizer specifications, and
- Irrigation in Dry Prairie.

The data examined during the verification were historical in nature.

Based on our review, there is no overlap with submitted claims under Alberta Emission Offset Registry. It is our opinion that, to a reasonable level of assurance, the GHG Statement presented in the Project Report is materially correct and presented fairly in accordance with the related program criteria.

Issued in Calgary, February 4, 2022

Prepared by:
Min Si, M.N.R.M., P.Eng.,
Lead Verifier
Direct Line: 403.723.1565
Min.Si@tetrattech.com

Appendix C: The limitations on the use of this document

LIMITATIONS ON USE OF THIS DOCUMENT

GEOENVIRONMENTAL

1.1 USE OF DOCUMENT AND OWNERSHIP

This document pertains to a specific site, a specific development, and a specific scope of work. The document may include plans, drawings, profiles and other supporting documents that collectively constitute the document (the "Professional Document").

The Professional Document is intended for the sole use of TETRA TECH's Client (the "Client") as specifically identified in the TETRA TECH Services Agreement or other Contractual Agreement entered into with the Client (either of which is termed the "Contract" herein). TETRA TECH does not accept any responsibility for the accuracy of any of the data, analyses, recommendations or other contents of the Professional Document when it is used or relied upon by any party other than the Client, unless authorized in writing by TETRA TECH.

Any unauthorized use of the Professional Document is at the sole risk of the user. TETRA TECH accepts no responsibility whatsoever for any loss or damage where such loss or damage is alleged to be or, is in fact, caused by the unauthorized use of the Professional Document.

Where TETRA TECH has expressly authorized the use of the Professional Document by a third party (an "Authorized Party"), consideration for such authorization is the Authorized Party's acceptance of these Limitations on Use of this Document as well as any limitations on liability contained in the Contract with the Client (all of which is collectively termed the "Limitations on Liability"). The Authorized Party should carefully review both these Limitations on Use of this Document and the Contract prior to making any use of the Professional Document. Any use made of the Professional Document by an Authorized Party constitutes the Authorized Party's express acceptance of, and agreement to, the Limitations on Liability.

The Professional Document and any other form or type of data or documents generated by TETRA TECH during the performance of the work are TETRA TECH's professional work product and shall remain the copyright property of TETRA TECH.

The Professional Document is subject to copyright and shall not be reproduced either wholly or in part without the prior, written permission of TETRA TECH. Additional copies of the Document, if required, may be obtained upon request.

1.2 ALTERNATIVE DOCUMENT FORMAT

Where TETRA TECH submits electronic file and/or hard copy versions of the Professional Document or any drawings or other project-related documents and deliverables (collectively termed TETRA TECH's "Instruments of Professional Service"), only the signed and/or sealed versions shall be considered final. The original signed and/or sealed electronic file and/or hard copy version archived by TETRA TECH shall be deemed to be the original. TETRA TECH will archive a protected digital copy of the original signed and/or sealed version for a period of 10 years.

Both electronic file and/or hard copy versions of TETRA TECH's Instruments of Professional Service shall not, under any circumstances, be altered by any party except TETRA TECH. TETRA TECH's Instruments of Professional Service will be used only and exactly as submitted by TETRA TECH.

Electronic files submitted by TETRA TECH have been prepared and submitted using specific software and hardware systems. TETRA TECH makes no representation about the compatibility of these files with the Client's current or future software and hardware systems.

1.3 STANDARD OF CARE

Services performed by TETRA TECH for the Professional Document have been conducted in accordance with the Contract, in a manner

consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions in the jurisdiction in which the services are provided. Professional judgment has been applied in developing the conclusions and/or recommendations provided in this Professional Document. No warranty or guarantee, express or implied, is made concerning the test results, comments, recommendations, or any other portion of the Professional Document.

If any error or omission is detected by the Client or an Authorized Party, the error or omission must be immediately brought to the attention of TETRA TECH.

1.4 DISCLOSURE OF INFORMATION BY CLIENT

The Client acknowledges that it has fully cooperated with TETRA TECH with respect to the provision of all available information on the past, present, and proposed conditions on the site, including historical information respecting the use of the site. The Client further acknowledges that in order for TETRA TECH to properly provide the services contracted for in the Contract, TETRA TECH has relied upon the Client with respect to both the full disclosure and accuracy of any such information.

1.5 INFORMATION PROVIDED TO TETRA TECH BY OTHERS

During the performance of the work and the preparation of this Professional Document, TETRA TECH may have relied on information provided by persons other than the Client.

While TETRA TECH endeavours to verify the accuracy of such information, TETRA TECH accepts no responsibility for the accuracy or the reliability of such information even where inaccurate or unreliable information impacts any recommendations, design or other deliverables and causes the Client or an Authorized Party loss or damage.

1.6 GENERAL LIMITATIONS OF DOCUMENT

This Professional Document is based solely on the conditions presented and the data available to TETRA TECH at the time the data were collected in the field or gathered from available databases.

The Client, and any Authorized Party, acknowledges that the Professional Document is based on limited data and that the conclusions, opinions, and recommendations contained in the Professional Document are the result of the application of professional judgment to such limited data.

The Professional Document is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site conditions present, or variation in assumed conditions which might form the basis of design or recommendations as outlined in this report, at or on the development proposed as of the date of the Professional Document requires a supplementary investigation and assessment.

TETRA TECH is neither qualified to, nor is it making, any recommendations with respect to the purchase, sale, investment or development of the property, the decisions on which are the sole responsibility of the Client.

1.7 NOTIFICATION OF AUTHORITIES

In certain instances, the discovery of hazardous substances or conditions and materials may require that regulatory agencies and other persons be informed and the client agrees that notification to such bodies or persons as required may be done by TETRA TECH in its reasonably exercised discretion.