

CARBON CAPTURE AND SEQUESTRATION PROJECT APPLICATION OVERVIEW

NOTE: The following non-mandatory template is provided as a convenient tool for entities applying for CCS Permanence Certification. CARB staff expects that due to the nature of the information required, most applicants using this template will find it easier to enter “See Attachment/Appendix (x)” in the appropriate section and attach the associated supporting documents in a zip file in the AFP Correspondence. This practice is expected and encouraged, as it will help CARB staff facilitate review of the application information.

The California Air Resources Board’s (CARB) Low Carbon Fuel Standard regulation, which appears at sections 95480 to 95503 of title 17, California Code of Regulations, is designed to reduce greenhouse gas emissions associated with the life cycle of transportation fuels used in California. CARB staff has prepared this document to describe the regulatory requirements in a user-friendly format. Unlike the regulation itself, this document does not have the force of law. It is not intended to and cannot establish new mandatory requirements beyond those that are already in the LCFS Regulation, nor can it supplant, replace or amend any of the legal requirements of the regulation. Conversely, any omission or truncation of regulatory requirements does not relieve entities of their legal obligation to fully comply with all requirements of the regulation.

SECTION A: General Project Information (CCS Protocol C.1.1.2(a))

1. Project Name:
2. Date:
3. Project Mailing Address:
4. Sequestration Site Location: UTM Lat/Long Other:
5. Project Operator Name:
6. Telephone Number:
7. Project Operator Street Address:
8. City, State, ZIP Code:
9. Project Operator Ownership Status:
10. Entity Status:

SECTION B: Primary Contact Information

1. Primary Contact Name:
2. Primary Contact Phone number:
3. Primary Contact Email:

SECTION C: Project Eligibility (§95490(a))

- Selected Project Registration Category
- Selected Project Reservoir Category

SECTION D: Reporting Schedule

- Selected quarterly or annual project reporting schedule (for LCFS crediting)

SECTION E: Co-Applicant Contact Information

- Business Name
- Contact Name
- Business Telephone Number
- Contact Telephone Number/Email Address
- Business Address

SECTION F: Purpose and Description of Business (CCS Protocol C.1.1.2(a)(1)-(2))

- A brief summary of the purpose of the project and description of the nature of the business

SECTION G: Operator Activities and Permits (C.1.1.2(a)(5)-(7))

List of activities conducted by the operator which require it to obtain:

- Permits under RCRA
- Permits under U.S. EPA UIC program
- Permits under NPDES program under CWA
- Permits under PSD program under CAA
- Drilling permits
- Valid access agreements
- Encroachment permits under county or city guidelines
- Federal, state, or local air, water, or restricted land use operating permits

List of all permits or construction approvals received or applied for and their status under any of the following programs:

- Hazardous Waste Management program under RCRA
- U.S. EPA UIC program under SDWA
- NPDES program under CWA
- PSD program under CAA
- Nonattainment program under CAA
- NESHAPS preconstruction approval under CAA
- Dredge and fill permits under section 404 of Clean Water Act
- Other relevant environmental permits such as federal, state, county, or city permits

SECTION H: Third Party Review (CCS Protocol C.1.1.1)

The following information for the Sequestration Site Reviewer and CCS Project Reviewer:

- Name of Reviewer
- License Number/State Issued
- Specialty or Other Certifications List
- Resume/CV
- Signed attestation of competence
- Statement of qualifications
- List of projects the reviewer worked on for the CCS Project Operator that ended within five years of application submittal
- List of projects completed in the past five years
- Signed conflict of interest attestation
- Company organizational chart, including management chain for the reviewer
- List of projects the employing company of the reviewer worked on for the CCS Project Operator that ended within five years of application submittal
- Signed employer conflict of interest attestation
- Report commenting on each section of the application and findings related to whether the section meets the requirements of the CCS Protocol and why

SECTION I: Application Checklist for Sequestration Site Certification (CCS Protocol C.1.1.2(b))

- Site-Based Risk Assessment (CCS Protocol C.2.2)
 - Risk Management Plan (CCS Protocol C.2.2(c))
- Geologic Evaluation (CCS Protocol C.2.3)
 - Formation Testing and Well Logging Plan (CCS Protocol C.2.3.1, C.2.3.1(a))
- Storage Complex Delineation and Corrective Action Plan (CCS Protocol C.2.4)
 - Computational Model (CCS Protocol C.2.4.1)
 - Plume Extent Modeling Results (CCS Protocol C.2.4.2)
- Baseline Testing and Monitoring Plan (CCS Protocol C.2.5(a))
- Well Construction Plan (CCS Protocol C.3.1(b))
- Pre-Injection Testing Plan (CCS Protocol C.3.2(b))
- Well Operating Plan (CCS Protocol C.3.3(a))

- Testing and Monitoring Plan (CCS Protocol C.4.1)
 - Mechanical Integrity Testing Plan (CCS Protocol C.4.2)
 - Emissions Monitoring Plan (CCS Protocol C.4.3.1)
 - Monitoring, Measurement, and Verification of Containment Plan (CCS Protocol C.4.3.2)
- Well Plugging and Abandonment Plan (CCS Protocol C.5.1)
- Post-Injection Site Care and Site Closure Plan (CCS Protocol C.5.2)
- Emergency and Remedial Response Plan (CCS Protocol C.6)
- Financial responsibility demonstration (CCS Protocol C.7)
- Legal understanding demonstration (CCS Protocol C.9)
- Other (CCS Protocol C.1.1.2(b)(3)(c))

SECTION J: Application Checklist for CCS Project Certification (CCS Protocol C.1.1.2(d))

- Updates to Information or Plans from C.1.1.2(b) (CCS Protocol C.1.1.2(d)(1))
- Formation Testing and Well Logging Report (CCS Protocol C.2.3(1))
- Updated Storage Complex Delineation and Computational Modeling Results (CCS Protocol C.2.4.2)
- Corrective Action Report (CCS Protocol C.2.4.3(c))
- Baseline Testing and Monitoring Report (CCS Protocol C.2.5(d))
- Well Construction and Pre-Injection Testing Report (CCS Protocol C.3.1(c), C.3.1(d), C.3.2(c))
- Other (CCS Protocol C.1.2(e))