Livestock Project Protocol v2.2

Protocol Summary

Project Definition
The installation of a Biogas Control System (BCS) that captures and destroys methane (CH\textsubscript{4}) gas from manure treatment and/or storage facilities on livestock operations.

The protocol accepts a wide range of technologies, including:
- Centralized digesters
- Co-digestion of organic waste (greenhouse gas [GHG] benefits not quantified for non-manure waste streams)
- Methane destruction on-site (enclosed flare, open flare, electricity generation, thermal energy production)
- Methane destruction off-site (direct use via pipeline)
- Methane destroyed as fuel for vehicles (on-site or off-site)
- Biogas destruction in fuel cells

Project Eligibility Requirements

Location: Project must be within the U.S. or its territories or on U.S. tribal lands.

Start Date: Any project submitted within six months of becoming operational.

Performance Standard: Installation of one of the technologies accepted in the protocol.

Legal Requirement Test: Project exceeds any reductions that would have occurred as a result of compliance with federal, state or local regulations. Project developer must sign the Attestation of Voluntary Implementation once at the project’s first verification.

Regulatory Compliance: Project must be in compliance with all federal, state and local laws or regulations. Project developer must sign the Attestation of Regulatory Compliance for each reporting period.

Baseline:
- Baseline represents “business as usual” or what would have occurred without the BCS installation
- Assumes continuation of current practices
- Calculated monthly for each year of the project
- For new livestock operations (greenfield sites), baseline is based on prevailing system type for their region, animal type and farm size

Crediting Period: Project is eligible to receive credits for 10 years from start date.

Reporting Schedule: Annual accounting with a minimum one verification per year.

Key Requirements
- Project must meet strict additionality requirements, must represent better than business as usual
- Clear ownership of the GHG emissions reductions
- Project must not be registered with any other GHG registry for the same vintages of reductions
- Compliance with air and water quality laws
- Proper accounting and monitoring
- Calculations and data inputs are free of material misstatement

Project Exclusions
- Any GHG reductions from other activities and changes in operations not associated with installation of a BCS
- Any greenfield sites in geographic locations where anaerobic lagoons are not common practice
- N\textsubscript{2}O sources within the physical boundary
- Biogenic CO\textsubscript{2} associated with the BCS
- Displacement of fossil fuel consumption associated with production of electric power for the grid or injection of gas to a pipeline

Important Note: This is only a summary of the protocol. Please read the full protocol for a complete description of project requirements.