E. Appendix Project Requirements

This Appendix serves as a Project Developer checklist, providing a listing of the deliverables and information a Project Developer needs to provide to a Validation Body and/or Verification Body and the Applicable Standards Body, to have a Project Validated, GHG Reductions Verified and to receive approval for the issuance of Carbon Credits.

For an oil or gas well currently recognized by the Texas Railroad Commission, identification consistent with RRC documentation, including API number. A list of minimum identification materials is discussed elsewhere in the protocol.

For a Well not currently recognized by the Texas Railroad Commission, all available Well history including producing periods and post-production time.

Documentation verifying the Project Developer's right to enter the Abandoned Well and Site.

The exact Well location, specified in latitude and longitude determined via a Global Positioning System device. Other required location information includes: the county, section, Block, Survey Name, and Abstract Label.

A written description of the Site, including all production equipment and operating systems connected to the Well with photographic evidence of the Well prior to Plugging and the Well surroundings and Surface Estate owner identification with contact information.

Documentation verifying the Possessory Right to the Abandoned Well for the 20-year Crediting Period.

All RRC documents pertaining to Plugging.

All federal, state, and local required permits, as applicable.

The Experienced Person overseeing the measurement processes shall provide a description with dates of their field experience and all training in the use of specific equipment and methods that are used for data collection.

All measurement equipment specifications as described below.

Equipment specifications for direct measurement chambers shall include the following:

- Dimensions (diameter or number and length of sides, and chamber height) accompanied by a calculation of the chamber internal volume when deployed
- Chamber shape diagram for chambers with a footprint other than cylindrical
- Materials used to construct the chamber
- Chamber fan(s) type, number, size, and location within the chamber

- Vent tube length, diameter, location, and material
- Composition of any gas used to flush the chamber
- Gas analyzer manufacture with model, flow rate, precision, lower and upper detection limits, data recording method, sampling frequency, and calibration method including date of latest calibration
- Sampling syringe size and description of vials selected for sample transport

Equipment specifications for remote measurement optical imaging equipment shall include the following:

- IR camera manufacture, model, and specification sheet
- Display system
- Camera and detachable data storage system and data recording medium
- Handheld or mounted operation
- List if detectable gases and gas sensitivities
- Usage environment temperature and humidity
- Detectable object temperature range
- Visual resolution in pixels
- Cooled or uncooled sensor
- Video capability frame rate

Equipment specifications for remote measurement laser dispersion spectroscopy equipment shall include the following:

- Laser manufacture, model, and specification sheet
- Sensor manufacture, model, and specification sheet
- Sensor lower detection limit
- Drafted location plat showing layout of laser, reflectors, sensor, and measurement target, with all distances noted
- Display system
- Data storage system and data recording medium
- Real time video capture frame rate

Equipment specifications for a methane analyzer shall include the following:

- Device manufacture, model, and specification sheet
- Methane specific detection limits (lower and upper)
- Accuracy and resolution
- Working range of environmental conditions (temperature, humidity, wind)

- Handheld or bench configuration
- Data logging capabilities
- Data storage system and data recording medium

Equipment specifications for independent laboratory analyses shall include the following:

- Laboratory name, address, and principal contact.
- Gas chromatograph manufacture and model
- Gas chromatograph sensitivity spectrum
- Flame ionization detector manufacture and model
- Flame ionization detector sensitivity

Complete copies of all independent laboratory reports

Photographic record of selected methane measurement device(s) while on Site and active

Photographic record of Well pre-Plugging, post-Plugging, and with Plugging Equipment on Site

All available source data, in original collected form, unprocessed for further analysis or reporting

When two or more instruments are used simultaneously to collect independent or interdependent data, the temporal alignment records

Measurement activity records including the following shall be provided:

- Date, time, and precise location of all data acquisition activities
- Weather conditions including temperature, barometric pressure, wind direction and speed during each data collection session and episode
- Handwritten narrative, photographic, and digital records preserved during data acquisition for sessions and episodes
- Complete accounting of all samples acquired including sample unique identification and all other sample identifying or labeling items
- Methane analyzer results for each application of the device including a timeline of analyzer use
- Timeline of all data collection episodes when a remote or indirect data collection method is selected

Detailed descriptions of all computations, including any assumptions, used to arrive at the methane fugitive emission rates and released methane volumes for each Measurement Session

Any additional data or computational work providing foundational support for the Baseline Quantification or the Credit Quantification

Co-Benefits: If the Project Developer plans to generate any Co-Benefits, the legal documentation showing Surface Estate ownership

Any other Documentation that Totality may request