



CLIMATE ACTION RESERVE

SUMMARY OF REVISIONS FROM LANDFILL PROJECT PROTOCOL VERSION 2.0 TO 2.1 October 2009

In addition to minor editorial changes in the Landfill Project Protocol, version 2.1 incorporates the following significant changes from version 2.0:

1. **Updated terminology to new Reserve standards.** The Reserve has developed new language and terminology (e.g. the Regulatory Test is now known as the Legal Requirements Test) through its protocol development process. This language has been incorporated into version 2.1 of the Landfill Project Protocol.
2. **Clarified pre-project qualifying device applicability.** In the previous version there was some confusion over whether qualifying pre-project systems which ceased operation prior to the initiation of the project activity needed be deducted. This language has been modified to make clear that, under current rules, methane destruction from these systems must be deducted.
3. **Update to the non-methane organic compound (NMOC) threshold.** The Reserve has increased this threshold from 620 lbs NMOC per month to 1,775 lbs NMOC per month in regions of the country which allow the use of open flares, and 2,575 lbs NMOC per month in regions which permit only the use of enclosed flares. This change is result of new data sources and analysis. The NMOC threshold has been an integral part of the previous protocol versions, and this update represents a refinement of that analysis.
4. **Guidance on calculation of NQ_{discount} .** Previously released as an Addendum to the protocol and therefore already incorporated into version 2.0, this appendix provides rules and methodologies for monitoring gas flow and composition from non-qualifying pre-project devices, and calculating NQ_{discount} . The appendix recognizes the difficulty and uncertainty of measuring these parameters at non-qualifying devices, and therefore provides necessary flexibility.
5. **New data substitution and missed calibration methodology.** In response to feedback that the referenced data substitution rules in version 2.0 were difficult to interpret and utilize, the Reserve has developed its own data substitution rules which

provide clarity, certitude, and a consistent methodology. This update represents a clarification and improvement of the pre-existing data substitution provisions.

6. **Meter calibration clarification.** Updated the language regarding quarterly cleaning, maintenance, and calibration of metering equipment to make clear that the quarterly calibration requirement can be met through an in-field calibration check.
7. **Corrected bioreactor definition.** Version 2.0 of the Landfill Project Protocol provided a definition of bioreactor which varied slightly from the EPA definition of a bioreactor. This has been corrected so that the protocol references the same definition used by EPA.