Landfill Project Protocol Version 4.0
ERRATA AND CLARIFICATIONS

The Climate Action Reserve (Reserve) published its Landfill Project Protocol Version 4.0 (LFPP V4.0) in June 2011. While the Reserve intends for the LFPP V4.0 to be a complete, transparent document, it recognizes that correction of errors and clarifications will be necessary as the protocol is implemented and issues are identified. This document is an official record of all errata and clarifications applicable to the LFPP V4.0.[1]

Per the Reserve's Program Manual, both errata and clarifications are considered effective on the date they are first posted on the Reserve website. The effective date of each erratum or clarification is clearly designated below. All listed and registered LFPP projects must incorporate and adhere to these errata and clarifications when they undergo verification. The Reserve will incorporate both errata and clarifications into future versions of the LFPP.

All project developers and verification bodies must refer to this document to ensure that the most current guidance is adhered to in project design and verification. Verification bodies shall refer to this document immediately prior to uploading any Verification Statement to assure all issues are properly addressed and incorporated into verification activities.

If you have any questions about the updates or clarifications in this document, please contact Policy at: policy@climateactionreserve.org or (213) 891-1444 x3.

[1] See Section 4.3.4 of the Climate Action Reserve Program Manual for an explanation of the Reserve's policies on protocol errata and clarifications. "Errata" are issued to correct typographical errors. "Clarifications" are issued to ensure consistent interpretation and application of the protocol. For document management and program implementation purposes, both errata and clarifications to the LFPP are contained in this single document.

Errata and Clarifications (arranged by protocol section)

Section 6

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1. Metering Multiple Destruction Devices (CLARIFICATION – October 26, 2011)

Section: 6.1 (Monitoring Requirements)

Context: Footnote 26 on page 30 states that: "A single meter may be used for multiple, identical destruction devices. In this instance, methane destruction in these units will be eligible only if both units are verified to be operational."

The Reserve has determined that in certain situations it may be acceptable for one flow meter to be used to monitor the flow of gas to multiple destruction devices without fulfilling the requirement that they be identical or that they all be operational. Such an arrangement will require extra steps for verification, depending on the situation and the monitoring data that are available.

Clarification: The following text shall replace footnote 26 on page 30:

"A single flow meter may be used for multiple destruction devices under certain conditions. If all destruction devices are of identical efficiency and verified to be operational, no additional steps are necessary for project registration. Otherwise, the destruction efficiency of the least efficient destruction device shall be used as the destruction efficiency for all destruction devices monitored by this meter.

If there are any periods when not all destruction devices are operational, methane destruction during these periods will be eligible provided that the verifier can confirm all of the following conditions are met:

a. The destruction efficiency of the least efficient destruction device in operation shall be used as the destruction efficiency for all destruction devices monitored by this meter; and
b. All devices are either equipped with valves on the input gas line that close automatically if the device becomes non-operational (requiring no manual intervention), or designed in such a manner that it is physically impossible for gas to pass through while the device is non-operational; and
c. For any period where one or more destruction device within this arrangement is not operational, it must be documented that the remaining operational devices have the capacity to destroy the maximum gas flow recorded during the period. For devices other than flares, it must be shown that the output corresponds to the flow of gas."

2. Field Check Requirements (CLARIFICATION – October 26, 2011)

Section: 6.2 (Instrument QA/QC)

Context: Section 6.2 sets the minimum field check requirements for flow meters and methane analyzers, but allows project developers to conduct field checks more frequently to minimize the risk of drift-related deductions. The protocol states that the field check at the end of the reporting period must be performed by a third-party technician, but it is not clear if additional field checks carried out at the project developer's discretion must also be performed by third-party technicians. Furthermore, it is not clear what action is required if the discretionary field

check reveals accuracy outside of the +/- 5% threshold, or how a verification body should treat field checks not performed by a third party.

Clarification: The field check that is required to occur within the last two months of the reporting period must be carried out by a third-party technician. At other times during the reporting period, field checks are not required to be performed by a third-party technician. However, any field check that is not performed by a third-party technician shall be subject to additional verifier scrutiny, and may be deemed invalid for satisfying the requirements of Section 6.2. The following text shall be added to Section 6.2:

> "Additional field checks carried out during the reporting period at the project developer's discretion may be performed by an individual that is not a third-party technician. In this case, the competency of the individual and the accuracy of the field check procedure must be assessed and approved by the verification body. Furthermore, if the field check reveals accuracy outside of the +/- 5% threshold, calibration is required and the data must be scaled as detailed above."