



# **Rice Cultivation Project Protocol Version 1.1 ERRATA AND CLARIFICATIONS**

The Climate Action Reserve (Reserve) published its Rice Cultivation Project Protocol Version 1.1 (RCPP V1.1) in June 2013. While the Reserve intends for the RCPP V1.1 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 RCPP V1.1.<sup>1</sup>

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 rice cultivation 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 protocol.

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](mailto:policy@climateactionreserve.org) or (213) 891-1444 x3.

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<sup>1</sup> 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 are contained in this single document.

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## Errata and Clarifications (arranged by protocol section)

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## Appendix B Step 1.3

### 1. DNDC Climate Input Data File Formatting (ERRATUM – January 21, 2014)

**Section:** Appendix B, Step 1.3 DNDC Climate Input Parameters

**Context:** This step provides background information on the climate input parameters used to run the DNDC model and instructs project developers on how to enter data for these parameters into DNDC. Following an initial description of the climate input parameters and a bulleted list of requirements for determining climate parameter inputs, a paragraph outlines how to enter data into the model, beginning with the words “Data for N concentration in rainfall...” (page 77). The final sentence in that paragraph erroneously lists “Humidity” twice in the data file format. The same mistake is repeated in the example data layout provided in Table B.5. Humidity data should appear once in the series, as the final data input parameter.

**Correction:** The last sentence on page 77 should be amended to read: “In other words, data needs to be input in text files in the following order: Jday, MaxT, MinT, Precipitation, Wind Speed, Humidity.”

Table B.5 on page 78 should be amended to read as follows:

**Table B.5.** Required Formatting for Climate Input Files

Jday	MaxT (°C)	MinT (°C)	Precipitation (cm)	Wind Speed (m/s)	Humidity (%)
1	12.1	5.2	1.41	2.3	77
2	11.1	6.2	3.01	7.5	80
3	10.1	7.2	0.34	4.3	82
4	11.1	8.2	0.01	2.9	81

\*NOTE: Only the format and data itself and not the text of a header row should be entered into the Climate Input files.

## Appendix B Step 2.1

### 2. Missing Climate Data (CLARIFICATION – January 21, 2014)

**Section:** Appendix B, Step 2.1 Missing Climate or Soil Data

**Context:** The DNDC model will crash if instructed to run without a full set of data for each input parameter. This step provides a methodology for how to overcome missing climate or soil data. The guidance with respect to missing climate data does not address such instances where climate data are missing for a period not exceeding 14 days, in which a complete and continuous set of data from the 14 day period immediately prior to and following the data gap (for a total of 28 days) are also not available from the same source. In such circumstances, data from another source or the nearest alternative weather station must be used.

**Clarification:** The following text shall be inserted following the first sentence of the last paragraph on page 82, which begins with the words “For gaps in climate data that do not exceed 14 days...”:

“If a complete and continuous set of data for the 14 days preceding and following the data gap (for a total of 28 days) cannot be obtained from the same source, project developers must substitute data for the data gap from another source in that same region, and if such data are not available, project developers must then use data from the nearest alternative weather station.”