

RIM Errata and Clarifications
7/29/2009

1. Definitions

Page vii, List of Abbreviations and Acronyms – add the following:

<i>GPS</i>	<i>Global Positioning System</i>
<i>RPD</i>	<i>Relative Percent Difference</i>
<i>WAAS</i>	<i>Wide Area Augmentation System</i>

2. GPS accuracy

Page 14, – insert the following after first full paragraph:

Required horizontal accuracy of each sample location is 3 meters or less. This accuracy can be achieved with a WAAS-enabled standard boat-mounted or hand-held GPS unit. The accuracy at each sample location shall be reported along with the coordinates. Accuracy can be improved by collecting data at a sampling location for a longer period of time. Collection of GPS data during periods of low wave action and during slack tide should reduce the movement of the boat while collecting data at a sampling location, and should improve the accuracy of the GPS data at a sampling location. Reported accuracy may be the advertised accuracy of the GPS unit or the measured, “in the field” accuracy.

3. Reporting non-detects

Page 20, 4th paragraph – change the sentence in bold from:

Any analytes not detected (below the MDL) should be reported as the MDL and qualified with a “U”.

To the following:

All non-detected analytes must be reported as the RL qualified with a “U”.

4. MDL study

Page 20, 5th paragraph - change the following sentence:

This MDL verification must be submitted with the data or performed on a similar matrix within the previous year.

To the following:

The lab shall perform an MDL study each year for all chemical parameters and for each matrix following the procedures described below. Results of the MDL study must be included in the LQAP and provided to CENAE each year after. In addition, new MDL studies shall be performed when instrumentation changes.

Page 20, last paragraph – replace the first sentence:

Select one representative relatively uncontaminated sample for each matrix and spike it with the analytes of concern so that the resulting concentration is between 1 and 5 times the RLs listed in Tables 2, 3, 5, 8 and Table I-1 (Appendix I).

with the following:

Select one representative uncontaminated sample (a previously analyzed laboratory sample known to be clean or commercially available reference material may be used) and spike it with the analytes of concern so that the resulting concentration is between 1 and 5 times the MDL.

5. Table 8

Page 44, - from “Metals” header, delete the superscript “2” next to “ppm (wet weight)”

- Change Analytical Method for Total Lipids from “EPA, 1995c” to “EPA/AED, 1995”

6. Table 9

Page 46, Footnote 1 – change “TQLs” to “RLs”

7. Table 5

Page 35, - change the Reporting Limit for Chromium(VI) from “1 µg/l” to “5 µg/l”

8. CAS Numbers Sheet in EDD

A pseudo-CAS Number was added for Conductivity - #1008.

9. GPS

Page 14, first full paragraph – change the following sentence:

All coordinate data should be reported in NAD 83 decimal minutes.

To the following:

All coordinate data should be reported in NAD 83 decimal minutes to at least four decimal places. [not six decimal places as stated in the EDD] {?}

10. EDD Checker

The EDD Checker program, with complete instructions, is now available on the EDD web page (<http://www.nae.usace.army.mil/reg/EDD.htm>). All EDD submissions must include a report from the EDD Checker program verifying that there are no formatting errors.

11. Calculating Total PCB's

Page 27, Table 3 – delete footnote #3 – it is not necessary to sum PCB’s.

Page 46, Table 9, footnote #3: replace the second sentence:

For values below the MDL, use one half the MDL; for values between the MDL and the RL, use estimated values.

With the following:

For nondetected analytes, use the MDL; for values between the MDL and the RL, use estimated values.

12. **Nondetects for Benthic Effects**

Page 42, Section 7.4, replace the fifth sentence:

Relative to detection limits, all nondetected analytes must be reported as one half the method detection limit (MDL).

With the following:

Relative to detection limits, all nondetected analytes must be reported as the method detection limit (MDL).

13. **Quality Control Summary Tables**

Appendix II, Table II-8, page 14, fifth row - “Sediment toxicity test”, second column - “Acceptance Criteria”, delete: “(no chamber >20%)”.