
Appendix C.

Errata to 1997 and 1998 Environmental Reports

*Robert J. Harrach
Karen S. Rath*

Protocol for Handling Errata in LLNL Environmental Reports

The advent of readily accessible, electronic documents on the Internet has made the LLNL site annual environmental report (SAER) a truly dual publication with its bound, hard-copy and its Internet electronic forms. These two versions must be fully equivalent and, in fact, the content must be precisely the same, both in their original versions as first presented to the public, and as they are changed (noted as published errata) subsequent to publication.

Revisions to the hard-copy version of LLNL's SAERs up to now have been dealt with by distributing copies of errata information (generally consisting of a list of well-defined corrections) to all identified holders of the original report. Beginning with the present report, hard-copy errata notification is provided in the SAER, rather than by separate mailings.

In October 1998, LLNL developed a protocol for making post-publication revisions to the Internet versions of SAERs. The main criteria are that (1) the SAER home page must simply and clearly convey what revisions, if any, have been made to a particular report, and directly link to an errata information section; (2) credibility that the Internet version accurately represents each SAER must be maintained; (3) each SAER accessible on the Internet at any time shall be the most current version of the report, incorporating all revisions; and (4) the content of the electronic and hard copy versions of each SAER must be the same, in the sense that the hard copy version plus its errata, if any, must provide the same information as the current (revised) Internet version.

Presently SAERs covering calendar years 1994 through 1998 can be accessed on the Internet at the address of the LLNL SAER homepage: <http://www.llnl.gov/saer>. Both the main volume and data supplement volume of each individual report can be viewed in its fully corrected, most up-to-date form. A link to an errata section provides a complete record of post-publication changes that have been made.

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Record of Changes to SAERs for 1997 and 1998

The following subsections provide a complete record of changes that have been made as of April 2000 in hard-copy (printed, bound) editions of environmental reports covering activities in 1997 and 1998. The information in this section is available on the SAER home page cited above.

Errata for LLNL Environmental Report 1998

In Chapter 2 of LLNL's *Environmental Report 1998*, in Table 2-9 on page 2-27, in the row describing the second off-normal event of February 2, change the quantities "(28 mg/L)" and "(25 mg/L)" to read "(0.28 mg/L)" and "(0.25 mg/L)."

In Chapter 11, in Figure 11-3 on page 11-7, the three data points representing sampling location PIN1 (upper right side of the figure) are mis-plotted. The correct values for 1996, 1997, and 1998, respectively, are 96 Bq/L (2592 pCi/L), 172 Bq/L (4644 pCi/L), and 37.1 Bq/L (1001 pCi/L).

In Chapter 5 of the Data Supplement at the bottom of the ^{22}Na column in Table 5-4 on page 5-10, correct the value to be " $<6.88 \times 10^{-9}$ " instead of " $<6.88 \times 10^{-6}$."

Errata for LLNL Environmental Report 1997

In the Executive Summary of LLNL's *Environmental Report 1997*, in the paragraph at the top of page EX-3, add the term "volatile organics" and replace the word "dioxide" with "monoxide" in the parenthetical phrase occurring in the sixth and seventh lines from the top of the page. The phrase should read "(nitrogen oxides, sulfur oxides, volatile organics, particulate matter, carbon monoxide, and lead)."

Raise the order by one of the headings and subheadings in the Geology and Hydrogeology sections in Chapter 1, on pages 1-4, 1-8, and 1-9.

In Chapter 3, correct the caption of Table 3-2 on page 3-10 to say "1993 to 1997" instead of "1990 to 1997."

Similarly, in Chapter 4 on page 4-8, add the term "volatile organics" to the fourth line up from the bottom of the page, so that the parenthetical phrase reads "(nitrogen oxides, sulfur oxides, volatile organics, particulate matter [PM-10], carbon monoxide, and lead)."

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In Chapter 12, on page 12-12, correct the phrase starting with the word “annually” in the second line from the top of the page to read “total annual precipitation and annual-average values of the temperature and height of the atmospheric inversion layer.”

On page 12-23 of Chapter 12, in the 11th line from the top of the page, add the omitted prefix “n” so that the quantity reads “190 nCi”.

On page 13-5 of Chapter 13, in footnote b, fifth line up from the bottom of the page, correct the subscripts factor so that it reads $x_1 - x_2$.

On page R-11 of the References section, second line up from the bottom of the page, correct the date to say “1992” instead of “1991.”

In Chapter 8 of the *Data Supplement* on the left-most column of the first row in Table 8-55 on page 8-76, Table 8-57 on page 8-77, and Table 8-58 on page 8-78, correct the phrase “Element (mg/L)” to read “Element ($\mu\text{g/L}$).”