

APPENDIX E.

ERRATA

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Protocol for Handling Errata in LLNL Environmental Reports

The primary form of publication for the LLNL site environmental annual report (SAER) is electronic, either on CD (compact disk) or on the Internet. The secondary form is hard copy, which is produced from the electronic copy. Hard copy is made available to the public at local libraries.

Because there are both publicly distributed and Internet versions of the report, the two versions must be fully equivalent, both in their original versions as first presented to the public, and as they are changed (noted as published errata) subsequent to the original publication.

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) the Internet version of the SAER must be accurately 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 Internet and distributed versions of the SAER must be the same, in the sense that the published version plus its errata, if any, must provide the same information as the current (revised) Internet version.

Presently SAERs covering calendar years 1994 through 2001 can be accessed on the Internet at the address of the LLNL SAER homepage: <http://www.llnl.gov/saer>. Both the main volume and the data supplement volume of each individual report can be viewed in its most up-to-date form. A link to an errata section provides a complete record of post-publication changes that have been made.

Record of Changes to 2001 SAER

The following changes have been made to the Internet version of the main volume.

- On page 8-4, in Table 8-1, the value in the “Average extraction rate” column for TFA was changed to 776.4 (from 946.4).
- On page 8-5, in Table 8-2, the following changes were made.
 - The value in the “2001; Water treated” column for TF518 was changed to 6.4 (from 12.1).
 - The value in the “Cumulative total; Water treated” column for TFC was changed to 480 (from 858.5).

The following changes have been made to the Internet version of the Data Supplement.

- Table 7-9a, “Compliance monitoring data for releases from Drainage Retention Basin, dry season, 2001,” was added.

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- In Table 9-3, in the “W-008; Jan 18” column, the following changes were made:
 - The value for gross alpha was changed to 0.11 ± -0.1 (from 1.1 ± -0.1)
 - The value for gross beta was changed to 0.17 ± -0.1 (from 1.7 ± -0.1)
 - In Table 9-5, in the “W-373; Apr 19” column, the following changes were made:
 - The value for aluminum was changed to <50 (from <0.05)
 - The value for copper was changed to <20 (from <0.02)
 - The value for iron was changed to <50 (from <0.05)
 - The value for manganese was changed to <10 (from <0.01)
 - The value for nickel was changed to <50 (from <0.05)
 - The value for zinc was changed to <50 (from <0.05)
 - In Table 10-2, in the “Cesium-137” column, the following changes were made:
 - The uncertainty value for location 3-801E-SO was changed to 0.00031 (from 0.0031).
 - The uncertainty value for location 3-801N-SO was changed to 0.00025 (from 0.0025).
 - The uncertainty value for location 3-801W-SO was changed to 0.00023 (from 0.0023).
 - In Table 10-4, in the “Water quality objective” column, the value for chloroform was changed to 80 (from 100).

Table 7-9a. Compliance monitoring data for releases from Drainage Retention Basin, dry season, 2001

Parameter	CDBX sampling dates			WPDC sampling dates		
	6/26	7/11	8/6	6/26	7/11	8/6
Biological						
Aq. Bioassay, Survival Chronic (percent survival)	90	95	100	100	95	100
Metals (mg/L)						
Aluminum	0.05	< 0.05	< 0.05	na ^(a)	na	na
Antimony	< 0.004	< 0.004	< 0.004	0.1	< 0.05	< 0.05
Arsenic	0.002	0.003	0.003	0.084	0.068	0.11
Barium	0.093	0.075	0.1	0.93	1.2	1.6
Beryllium	< 0.0002	< 0.0002	< 0.0002	< 0.05	< 0.05	< 0.05
Boron	1.5	1.4	1.8	0.18	< 0.05	0.067
Cadmium	< 0.0005	< 0.0005	< 0.0005	< 0.01	< 0.01	< 0.01
Chromium	0.005	0.003	0.004	< 0.025	< 0.025	< 0.025
Cobalt	< 0.05	< 0.05	< 0.05	< 0.01	< 0.01	< 0.01
Copper	0.003	0.005	0.004	0.039	< 0.02	< 0.02
Hexavalent Chromium	0.004	0.004	0.005	< 0.004	< 0.004	< 0.004
Iron	< 0.05	< 0.05	< 0.05	< 0.003	< 0.003	< 0.002
Lead	< 0.005	< 0.005	< 0.005	< 0.0002	< 0.0002	< 0.0002
Manganese	0.12	0.03	0.043	< 0.0005	< 0.0005	< 0.0005
Mercury	< 0.0002	< 0.0002	< 0.0002	0.0079	0.01	0.0073
Molybdenum	< 0.025	< 0.025	< 0.025	< 0.005	< 0.005	< 0.005
Nickel	0.002	< 0.002	< 0.002	< 0.0002	< 0.0002	< 0.0002
Selenium	< 0.004	< 0.002	< 0.002	0.005	< 0.002	< 0.002
Silver	< 0.001	< 0.001	< 0.001	< 0.004	< 0.002	< 0.002
Thallium	< 0.001	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	< 0.01	< 0.01	< 0.01	< 0.001	< 0.004	< 0.001
Zinc	< 0.02	< 0.02	< 0.02	0.0083	0.012	0.0072

Table 7-9a. Compliance monitoring data for releases from Drainage Retention Basin, dry season, 2001 (continued)

Parameter	CDBX sampling dates				WPDC sampling dates							
	8/6		7/11		6/26		7/11		8/6		9/6	
	6/26	7/11	8/6	9/6	6/26	7/11	8/6	9/6	6/26	7/11	8/6	9/6
Volatile organic compounds (ug/L)												
1,1,1-Trichloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
1,1,2,2-Tetrachloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
1,1,2-Trichloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
1,1-Dichloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
1,1-Dichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
1,2-Dichloroethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
1,2-Dichloroethane (total)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	na	na	na	na
1,2-Dichloropropane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
1,3-Dichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
1,4-Dichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
2-Chloroethylvinylether	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	na	na	na	na
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Bromoform	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Bromomethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Carbon tetrachloride	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Chlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Chloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	na	na	na	na
Chloroform	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	na	na	na	na
cis-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Dibromochloromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Freon 113	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Methylene chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	na	na	na	na
Tetrachloroethene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Total Trihalomethanes	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	na	na	na	na
trans-1,2-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na

Table 7-9a. Compliance monitoring data for releases from Drainage Retention Basin, dry season, 2001 (concluded)

Parameter	CDBX sampling dates				WPDC sampling dates			
	6/26	7/11	8/6	9/6	6/26	7/11	8/6	9/6
Trichloroethene	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Vinyl chloride	< 0.5	< 0.5	< 0.5	< 0.5	na	na	na	na
Polychlorinated biphenyls (ug/L)								
PCB 1016	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
PCB 1221	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
PCB 1232	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
PCB 1242	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
PCB 1248	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
PCB 1254	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
PCB 1260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Miscellaneous organics (mg/L)								
pH	8.66	9.07	8.93	9.02	8.2	9.03	8.72	8.48
Total suspended solids (TSS)	3.7	5.5	4	12	4.3	2.5	< 2	3.7

a na = Not analyzed because the analysis was not required

