FINAL

PHASE II RFI/RIFS WORK PLAN
(Alluvial)

ROCKY FLATS PLANT

903 PAD, MOUND, and EAST TRENCHES AREAS
(OPERABLE UNIT NO. 2)

U.S. DEPARTMENT OF ENERGY
Rocky Flats Plant
Golden, Colorado

ENVIRONMENTAL RESTORATION PROGRAM

12 April 1990

Volume II – Appendices

"REVIEWED FOR CLASSIFICATION
By [illegible]
Date 11/15/91"

ADMIN RECORD

A-OU02-000106

APPENDIX B

OPERABLE UNIT NO. 2

GROUND-WATER SAMPLING RESULTS

APPENDIX B-1

VOLATILE ORGANIC COMPOUNDS

GROUND-WATER SAMPLING RESULTS

Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	10 U A	10 U A	10 U A	10 U A	25 B A	4 J A	5 U A	5 U A	5 U A
SW-026	05/12/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-026	06/15/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-026	06/15/89	10 U	10 U	10 U	10 U	5 U	2 JB	5 U	5 U	5 U
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	10 U	10 U	10 U	10 U	4 JB	10 U	5 U	5 U	5 U
SW-026	10/05/89	10 U	10 U	10 U	10 U	5 B	10 B	5 U	5 U	5 U
SW-026	10/06/89	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-026	10/11/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-026	10/17/89	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-026	10/23/89	10 U	10 U	10 U	10 U	3 JB	10 U	5 U	5 U	5 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	10 U	10 U	10 U	10 U	2 BJ	8 BJ	5 U	5 U	5 U
SW-027	07/22/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-027	07/07/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-027	03/21/89	10 U A	10 U A	10 U A	10 U A	28 B A	10 U A	5 U A	5 U A	5 U A
SW-027	05/18/89	10 U	10 U	10 U	10 U	15 B	10 U	5 U	5 U	5 U
SW-027	06/22/89	10 U	10 U	10 U	10 U	2 JB	3 JB	5 U	5 U	5 U
SW-027	07/17/89	Data not yet received								
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	10 U	10 U	10 U	10 U	4 JB	10 U	5 U	5 U	5 U
SW-027	10/11/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	10 U	10 U	10 U	10 U	5 B	7 BJ	5 U	5 U	5 U
SW-028	07/22/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
3386	09/24/87	3	DRY								
3386	12/05/87	4	DRY								
3386	03/07/88	1	DRY								
3386	05/02/88	2	DRY								
3386	08/12/88	3	DRY								
3386	11/08/88	4	DRY								
3386	02/09/89	1	DRY								
3386	05/03/89	2	DRY								
3986	05/06/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
3986	06/03/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
3986	07/24/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3986	09/03/87	3	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
3986	12/12/87	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3986	03/09/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3986	05/04/88	2	5 U	5 U	5 U	10 U	5 U	2292	10 U	5 U	5 U
3986	08/19/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
3986	11/10/88	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3986	11/11/88	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3986	02/15/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3986	02/15/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3986	05/08/89	2	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3986	05/09/89	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4186	05/06/87	1	4 U	4 U	5 U	NR	4 U	4 U	NR	NR	NR
4186	06/01/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
4186	07/20/87	3	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
4186	10/22/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
4186	10/22/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
4186	12/16/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4186	03/10/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
4186	05/04/88	2	7	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
4186	08/24/88	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4186	11/22/88	4	5 U V	2 JB A	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
4186	02/20/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
4186	05/10/89	2	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
3386	09/24/87	3	DRY								
3386	12/05/87	4	DRY								
3386	03/07/88	1	DRY								
3386	05/02/88	2	DRY								
3386	08/12/88	3	DRY								
3386	11/08/88	4	DRY								
3386	02/09/89	1	DRY								
3386	05/03/89	2	DRY								
3986	05/06/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
3986	06/03/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
3986	07/24/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3986	09/03/87	3	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
3986	12/12/87	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3986	03/09/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3986	05/04/88	2	5 U	310	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3986	08/19/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3986	11/10/88	4	5 U	418	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3986	11/11/88	4	5 U	202	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3986	02/15/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3986	02/15/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3986	05/08/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3986	05/09/89	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4186	05/06/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
4186	06/01/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
4186	07/20/87	3	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
4186	10/22/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
4186	10/22/87	4	5U	3. JB	5U	5U	5U	5U	5U	10U	10U
4186	12/16/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4186	03/10/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4186	05/04/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4186	08/24/88	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4186	11/22/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4186	02/20/89	1	5 U V	3 J A	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4186	05/10/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
3386	09/24/87	3	DRY						
3386	12/05/87	4	DRY						
3386	03/07/88	1	DRY						
3386	05/02/88	2	DRY						
3386	08/12/88	3	DRY						
3386	11/08/88	4	DRY						
3386	02/09/89	1	DRY						
3386	05/03/89	2	DRY						
3986	05/06/87	1	4 U	NR	NR	NR	NR	NR	NR
3986	06/03/87	2	4 U	NR	NR	NR	NR	NR	NR
3986	07/24/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
3986	09/03/87	3	5 U	NR	NR	NR	NR	NR	NR
3986	12/12/87	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3986	03/09/88	1	5 U	5 U	5 U	5 U	3 J	5 U	4 J
3986	05/04/88	2	845	5 U	5 U	5 U	5 U	5 U	5 U
3986	08/19/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3986	11/10/88	4	5	5 U	5 U	5 U	5 U	5 U	5 U
3986	11/11/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3986	02/15/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
3986	02/15/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
3986	05/08/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
3986	05/09/89	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
4186	05/06/87	1	160	NR	NR	NR	NR	NR	NR
4186	06/01/87	2	4 U	NR	NR	NR	NR	NR	NR
4186	07/20/87	3	11	NR	NR	NR	NR	NR	NR
4186	10/22/87	4	25	NR	NR	NR	NR	NR	NR
4186	10/22/87	4	5U	5U	5U	5U	5U	5U	5U
4186	12/16/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
4186	03/10/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4186	05/04/88	2	50	5 U	5 U	5 U	5 U	5 U	5 U
4186	08/24/88	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
4186	11/22/88	4	5 U V	5 U V	4 JB A	5 U V	5 U V	5 U V	5 U V
4186	02/20/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
4186	05/10/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
4286	03/12/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
4286	05/26/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
4286	07/23/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4286	09/03/87	3	NR	NR	NR	NR	NR	NR	NR	26	NR
4286	10/14/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
4286	03/03/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	4 J	5 U
4286	05/04/88	2	10 U	10 U	10 U	10 U	5 U	5 J	5 U	5 U	5 U
4286	08/25/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
4286	11/17/88	4	10 U R	10 U V	10 U V	10 U R	2 JB A	10 U V	5 U V	3 J A	5 U V
4286	11/18/88	4	10 U R	10 U V	10 U V	10 U R	3 JB A	10 U V	5 U V	5 U V	5 U V
4286	02/20/89	1	10 U V	10 U V	10 U V	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V
4286	05/08/89	2	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
4386	03/11/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
4386	06/03/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
4386	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4386	08/26/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
4386	10/19/87	4	DRY								
4386	03/02/88	1	DRY								
4386	04/29/88	2	DRY								
4386	08/10/88	3	DRY								
4386	11/03/88	4	DRY								
4386	02/07/89	1	DRY								
4386	05/03/89	2	DRY								
1087	10/12/87	4	DRY								
1087	02/25/88	1	DRY								
1087	04/19/88	2	DRY								
1087	08/09/88	3	DRY								
1087	10/26/88	4	DRY								
1087	02/07/89	1	DRY								
1087	05/02/89	2	DRY								
1587	09/10/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	10/07/87	4	1000U	1000U	1000U	1000U	240JB	1300B	500U	500U	500U
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
4286	03/12/87	1	17	40	4 U	NR	4 U	750	NR	NR	NR
4286	05/26/87	2	4 U	100	320	NR	4 U	3300	NR	NR	NR
4286	07/23/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4286	09/03/87	3	5 U	107	5 U	NR	5 U	4835	NR	NR	NR
4286	10/14/87	4	5 U	41	5 U	NR	5 U	1695	NR	NR	NR
4286	03/03/88	1	5 U	43	5 U	10 U	5 U	1741	10 U	5 U	5 U
4286	05/04/88	2	5 U	57	5 U	10 U	5 U	5 U	10 U	5 U	5 U
4286	08/25/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	1353 R	10 U R	5 U R	5 U R
4286	11/17/88	4	5 U V	21 B A	5 U V	10 U R	5 U V	1300	10 U V	5 U V	5 U V
4286	11/18/88	4	5 U V	22 B A	5 U V	10 U R	5 U V	1300	10 U V	5 U V	5 U V
4286	02/20/89	1	5 U V	20 V	5 U V	10 U R	5 U V	760 V	10 U V	5 U V	5 U V
4286	05/08/89	2	5 U A	21 J A	5 U A	10 U R	5 U V	1100 V	10 U V	5 U V	5 U V
4386	03/11/87	1	4 U	4 U	4 U	NR	4 U	6	NR	NR	NR
4386	06/03/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
4386	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4386	08/26/87	3	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
4386	10/19/87	4	DRY								
4386	03/02/88	1	DRY								
4386	04/29/88	2	DRY								
4386	08/10/88	3	DRY								
4386	11/03/88	4	DRY								
4386	02/07/89	1	DRY								
4386	05/03/89	2	DRY								
1087	10/12/87	4	DRY								
1087	02/25/88	1	DRY								
1087	04/19/88	2	DRY								
1087	08/09/88	3	DRY								
1087	10/26/88	4	DRY								
1087	02/07/89	1	DRY								
1087	05/02/89	2	DRY								
1587	09/10/87	3	5 U	5 U	5 U	NR	5 U	4080	NR	NR	NR
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	10/07/87	4	NR	500U	500U	1000U	500U	2600	1000U	500U	500U
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
4286	03/12/87	1	NR	110	NR	4 U	NR	NR	NR	NR	NR
4286	05/26/87	2	NR	1400	NR	4 U	NR	NR	NR	NR	NR
4286	07/23/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4286	09/03/87	3	NR	870	NR	5 U	NR	NR	NR	NR	NR
4286	10/14/87	4	NR	197	NR	5 U	NR	NR	NR	NR	NR
4286	03/03/88	1	5 U	274	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4286	05/04/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4286	08/25/88	3	5 U R	153 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
4286	11/17/88	4	5 U V	140	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4286	11/18/88	4	5 U V	120	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4286	02/20/89	1	5 U V	95 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4286	05/08/89	2	5 U V	190 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4386	03/11/87	1	NR	8	NR	4 U	NR	NR	NR	NR	NR
4386	06/03/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
4386	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
4386	08/26/87	3	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
4386	10/19/87	4	DRY								
4386	03/02/88	1	DRY								
4386	04/29/88	2	DRY								
4386	08/10/88	3	DRY								
4386	11/03/88	4	DRY								
4386	02/07/89	1	DRY								
4386	05/03/89	2	DRY								
1087	10/12/87	4	DRY								
1087	02/25/88	1	DRY								
1087	04/19/88	2	DRY								
1087	08/09/88	3	DRY								
1087	10/26/88	4	DRY								
1087	02/07/89	1	DRY								
1087	05/02/89	2	DRY								
1587	09/10/87	3	NR	510	NR	5 U	NR	NR	NR	NR	NR
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	10/07/87	4	500U	230J	500U	500U	500U	500U	500U	1000U	1000U
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
4286	03/12/87	1	152	NR	NR	NR	NR	NR	NR
4286	05/26/87	2	3200	NR	NR	NR	NR	NR	NR
4286	07/23/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
4286	09/03/87	3	1040	NR	NR	NR	NR	NR	NR
4286	10/14/87	4	626	NR	NR	NR	NR	NR	NR
4286	03/03/88	1	516	5 U	5 U	5 U	5 U	5 U	5 U
4286	05/04/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4286	08/25/88	3	382 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
4286	11/17/88	4	310	5 U V	4 JB A	5 U V	5 U V	5 U V	5 U V
4286	11/18/88	4	380	5 U V	3 JB A	5 U V	5 U V	5 U V	5 U V
4286	02/20/89	1	180 V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
4286	05/08/89	2	300 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
4386	03/11/87	1	4 U	NR	NR	NR	NR	NR	NR
4386	06/03/87	2	4 U	NR	NR	NR	NR	NR	NR
4386	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
4386	08/26/87	3	5 U	NR	NR	NR	NR	NR	NR
4386	10/19/87	4	DRY						
4386	03/02/88	1	DRY						
4386	04/29/88	2	DRY						
4386	08/10/88	3	DRY						
4386	11/03/88	4	DRY						
4386	02/07/89	1	DRY						
4386	05/03/89	2	DRY						
1087	10/12/87	4	DRY						
1087	02/25/88	1	DRY						
1087	04/19/88	2	DRY						
1087	08/09/88	3	DRY						
1087	10/26/88	4	DRY						
1087	02/07/89	1	DRY						
1087	05/02/89	2	DRY						
1587	09/10/87	3	900	NR	NR	NR	NR	NR	NR
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
1587	10/07/87	4	690	500U	500U	500U	500U	500U	500U
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	02/29/88	1	10 U	10 U	10 U	10 U	8	10 U	5 U	5	5 U
1587	04/20/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	9	5 U
1587	08/09/88	3	DRY								
1587	10/31/88	4	DRY								
1587	02/07/89	1	DRY								
1587	05/01/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 J A	5 U V
1787	11/05/87	4	10U	10U	10U	10U	3. J	9. JB	5U	5U	5U
1787	11/06/87	4	10 U	10 U	10 U	10 U	15	10 U	5 U	5 U	5 U
1787	03/03/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1787	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1787	05/09/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1787	08/15/88	3	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1787	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1787	01/03/89	4	10 U R	10 U R	10 U V	10 U V	6 B A	10 U V	5 U V	5 U V	5 U V
1787	02/07/89	1	10 U R	10 U V	10 U R	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V
1787	05/03/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
1987	11/19/87	4	DRY								
1987	03/03/88	1	DRY								
1987	04/28/88	2	DRY								
1987	08/11/88	3	DRY								
1987	11/07/88	4	DRY								
1987	02/09/89	1	DRY								
1987	05/03/89	2	DRY								
2487	11/19/87	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2487	11/19/87	4	20 U	20 U	20 U	20 U	4 J	19 JB	10 U	10 U	10 U
2487	03/03/88	1	DRY								
2487	05/04/88	2	DRY								
2487	08/22/88	3	DRY								
2487	11/17/88	4	DRY								
2487	02/15/89	1	DRY								
2487	05/09/89	2	DRY								

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ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	02/29/88	1	5 U	35	5 U	10 U	5 U	1591	10 U	5 U	5 U
1587	04/20/88	2	5 U	42	5 U	10 U	5 U	4305	10 U	5 U	5 U
1587	08/09/88	3	DRY								
1587	10/31/88	4	DRY								
1587	02/07/89	1	DRY								
1587	05/01/89	2	5 U V	21 V	5 U V	10 U V	5 U V	1100 J A	10 U R	5 U V	5 U V
1787	11/05/87	4	NR	21.	5U	10U	5U	48.	10U	5U	5U
1787	11/06/87	4	5 U	27	5 U	10 U	5 U	96	10 U	5 U	5 U
1787	03/03/88	1	5 U	17	5 U	10 U	5 U	32	10 U	5 U	5 U
1787	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1787	05/09/88	2	5 U	5 U	5 U	10 U	5 U	80	10 U	5 U	5 U
1787	08/15/88	3	5 U	5 U	5 U	10 U	5 U	45	10 U	5 U	5 U
1787	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1787	01/03/89	4	5 U V	13 B A	5 U V	10 U R	5 U V	77 V	10 U V	5 U V	5 U V
1787	02/07/89	1	5 U V	5 U V	5 U V	10 U R	5 U V	71 V	10 U V	5 U V	5 U V
1787	05/03/89	2	5 U V	4 J V	5 U V	10 U V	5 U V	47 J A	10 U R	5 U V	5 U V
1987	11/19/87	4	DRY								
1987	03/03/88	1	DRY								
1987	04/28/88	2	DRY								
1987	08/11/88	3	DRY								
1987	11/07/88	4	DRY								
1987	02/09/89	1	DRY								
1987	05/03/89	2	DRY								
2487	11/19/87	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2487	11/19/87	4	NR	10 U	10 U	20 U	10 U	10 U	20 U	10 U	10 U
2487	03/03/88	1	DRY								
2487	05/04/88	2	DRY								
2487	08/22/88	3	DRY								
2487	11/17/88	4	DRY								
2487	02/15/89	1	DRY								
2487	05/09/89	2	DRY								

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1587	02/29/88	1	5 U	96	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1587	04/20/88	2	5 U	269	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1587	08/09/88	3	DRY								
1587	10/31/88	4	DRY								
1587	02/07/89	1	DRY								
1587	05/01/89	2	5 U V	120 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
1787	11/05/87	4	5U	25.	5U	5U	5U	5U	5U	10U	10U
1787	11/06/87	4	5 U	83	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1787	03/03/88	1	5 U	14	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1787	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1787	05/09/88	2	5 U	27	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1787	08/15/88	3	5 U	12	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1787	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1787	01/03/89	4	5 U V	26 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
1787	02/07/89	1	5 U V	21 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
1787	05/03/89	2	5 U V	17 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
1987	11/19/87	4	DRY								
1987	03/03/88	1	DRY								
1987	04/28/88	2	DRY								
1987	08/11/88	3	DRY								
1987	11/07/88	4	DRY								
1987	02/09/89	1	DRY								
1987	05/03/89	2	DRY								
2487	11/19/87	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2487	11/19/87	4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U
2487	03/03/88	1	DRY								
2487	05/04/88	2	DRY								
2487	08/22/88	3	DRY								
2487	11/17/88	4	DRY								
2487	02/15/89	1	DRY								
2487	05/09/89	2	DRY								

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
1587	02/29/88	1	212	5 U	5 U	5 U	5 U	5 U	5 U
1587	04/20/88	2	782	5 U	5 U	5 U	5 U	5 U	5 U
1587	08/09/88	3	DRY						
1587	10/31/88	4	DRY						
1587	02/07/89	1	DRY						
1587	05/01/89	2	190 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
1787	11/05/87	4	150.	5U	5U	5U	5U	5U	5U
1787	11/06/87	4	313	5 U	12	5 U	5 U	5 U	5 U
1787	03/03/88	1	111	5 U	5 U	5 U	5 U	5 U	5 U
1787	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
1787	05/09/88	2	235	5 U	5 U	5 U	5 U	5 U	5 U
1787	08/15/88	3	99	5 U	5 U	5 U	5 U	5 U	5 U
1787	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
1787	01/03/89	4	190 V	5 U V	5 B A	5 U V	5 U V	5 U V	5 U V
1787	02/07/89	1	140 V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
1787	05/03/89	2	160 R	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
1987	11/19/87	4	DRY						
1987	03/03/88	1	DRY						
1987	04/28/88	2	DRY						
1987	08/11/88	3	DRY						
1987	11/07/88	4	DRY						
1987	02/09/89	1	DRY						
1987	05/03/89	2	DRY						
2487	11/19/87	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2487	11/19/87	4	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2487	03/03/88	1	DRY						
2487	05/04/88	2	DRY						
2487	08/22/88	3	DRY						
2487	11/17/88	4	DRY						
2487	02/15/89	1	DRY						
2487	05/09/89	2	DRY						

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
2687	11/19/87	4	20 U	20 U	20 U	20 U	5 JB	31	10 U	10 U	10 U
2687	11/20/87	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2687	03/09/88	1	DRY								
2687	05/11/88	2	DRY								
2687	08/18/88	3	DRY								
2687	11/17/88	4	DRY								
2687	02/22/89	1	DRY								
2687	05/09/89	2	DRY								
2787	10/26/87	4	DRY								
2787	03/09/88	1	DRY								
2787	05/11/88	2	DRY								
2787	08/23/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2787	08/23/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2787	11/17/88	4	10 U R	10 U V	10 U V	10 U R	3 JB A	10 U V	5 U V	5 U V	5 U V
2787	02/20/89	1	DRY								
2787	05/10/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
3287	10/26/87	4	NR	NR	NR	NR	NR	NR	NR	33	NR
3287	10/26/87	4	10U	10U	10U	10U	5. J	6. JB	5U	5U	5U
3287	03/09/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3287	05/12/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3287	08/23/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
3287	11/17/88	4	10 U	10 U	10 U	10 U	3 JB	10 U	5 U	5 U	5 U
3287	02/22/89	1	10 U V	10 U V	10 U V	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V
3287	05/09/89	2	DRY								
3387	11/20/87	4	DRY								
3387	03/09/88	1	DRY								
3387	05/11/88	2	DRY								
3387	08/24/88	3	DRY								
3387	11/17/88	4	DRY								
3387	02/15/89	1	DRY								
3387	05/09/89	2	DRY								
3587	11/20/87	4	DRY								
3587	03/09/88	1	DRY								

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
2687	11/19/87	4	NR	10 U	10 U	20 U	10 U	10 U	20 U	10 U	10 U
2687	11/20/87	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2687	03/09/88	1	DRY								
2687	05/11/88	2	DRY								
2687	08/18/88	3	DRY								
2687	11/17/88	4	DRY								
2687	02/22/89	1	DRY								
2687	05/09/89	2	DRY								
2787	10/26/87	4	DRY								
2787	03/09/88	1	DRY								
2787	05/11/88	2	DRY								
2787	08/23/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 J R	10 U R	5 U R	5 U R
2787	08/23/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	8 R	10 U R	5 U R	5 U R
2787	11/17/88	4	5 U V	2 JB A	5 U V	10 U R	5 U V	7 V	10 U V	5 U V	5 U V
2787	02/20/89	1	DRY								
2787	05/10/89	2	5 U V	3 J V	5 U V	10 U R	5 U V	15 V	10 U V	5 U V	5 U V
3287	10/26/87	4	5 U	5 U	5 U	NR	56	5 U	NR	NR	NR
3287	10/26/87	4	NR	3. J	5U	10U	5U	1. J	10U	5U	5U
3287	03/09/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3287	05/12/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3287	08/23/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
3287	11/17/88	4	5 U	2 JB	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3287	02/22/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3287	05/09/89	2	DRY								
3387	11/20/87	4	DRY								
3387	03/09/88	1	DRY								
3387	05/11/88	2	DRY								
3387	08/24/88	3	DRY								
3387	11/17/88	4	DRY								
3387	02/15/89	1	DRY								
3387	05/09/89	2	DRY								
3587	11/20/87	4	DRY								
3587	03/09/88	1	DRY								

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
2687	11/19/87	4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U
2687	11/20/87	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2687	03/09/88	1	DRY								
2687	05/11/88	2	DRY								
2687	08/18/88	3	DRY								
2687	11/17/88	4	DRY								
2687	02/22/89	1	DRY								
2687	05/09/89	2	DRY								
2787	10/26/87	4	DRY								
2787	03/09/88	1	DRY								
2787	05/11/88	2	DRY								
2787	08/23/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2787	08/23/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2787	11/17/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2787	02/20/89	1	DRY								
2787	05/10/89	2	5 U V	4 J V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3287	10/26/87	4	NR	27	NR	5 U	NR	NR	NR	NR	NR
3287	10/26/87	4	5U	6.	5U	5U	5U	5U	5U	10U	10U
3287	03/09/88	1	5 U	44	5 U	5 U	5 U	5 U	5 U	35	10 U
3287	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3287	08/23/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3287	11/17/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3287	02/22/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3287	05/09/89	2	DRY								
3387	11/20/87	4	DRY								
3387	03/09/88	1	DRY								
3387	05/11/88	2	DRY								
3387	08/24/88	3	DRY								
3387	11/17/88	4	DRY								
3387	02/15/89	1	DRY								
3387	05/09/89	2	DRY								
3587	11/20/87	4	DRY								
3587	03/09/88	1	DRY								

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
2687	11/19/87	4	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2687	11/20/87	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2687	03/09/88	1	DRY						
2687	05/11/88	2	DRY						
2687	08/18/88	3	DRY						
2687	11/17/88	4	DRY						
2687	02/22/89	1	DRY						
2687	05/09/89	2	DRY						
2787	10/26/87	4	DRY						
2787	03/09/88	1	DRY						
2787	05/11/88	2	DRY						
2787	08/23/88	3	29 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2787	08/23/88	3	44 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2787	11/17/88	4	16 V	5 U V	3 JB A	5 U V	5 U V	5 U V	5 U V
2787	02/20/89	1	DRY						
2787	05/10/89	2	31 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
3287	10/26/87	4	95	NR	NR	NR	NR	NR	NR
3287	10/26/87	4	68.	5U	5U	5U	5U	5U	5U
3287	03/09/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	05/12/88	2	20	5 U	5 U	5 U	5 U	5 U	5 U
3287	08/23/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3287	11/17/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3287	02/22/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
3287	05/09/89	2	DRY						
3387	11/20/87	4	DRY						
3387	03/09/88	1	DRY						
3387	05/11/88	2	DRY						
3387	08/24/88	3	DRY						
3387	11/17/88	4	DRY						
3387	02/15/89	1	DRY						
3387	05/09/89	2	DRY						
3587	11/20/87	4	DRY						
3587	03/09/88	1	DRY						

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
3587	05/04/88	2	DRY								
3587	08/18/88	3	DRY								
3587	11/17/88	4	DRY								
3587	02/15/89	1	DRY								
3587	05/09/89	2	DRY								

COLLUVIUM

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
6386	07/06/87	3	DRY								
6386	10/14/87	4	DRY								
6386	02/17/88	1	DRY								
6386	04/13/88	2	DRY								
6386	07/18/88	3	DRY								
6386	10/21/88	4	DRY								
6386	01/18/89	1	DRY								
6386	04/14/89	2	DRY								
6386	06/10/89	2	DRY								
6786	05/11/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6786	06/01/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6786	07/20/87	3	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6786	10/22/87	4	DRY								
6786	03/09/88	1	DRY								
6786	05/04/88	2	DRY								
6786	11/17/88	4	DRY								
6786	02/22/89	1	DRY								
6786	05/09/89	2	DRY								
2987	10/28/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
2987	10/28/87	4	10U	10U	10U	10U	26. B	9. JB	5U	5U	5U
2987	02/29/88	1	10 U	10 U	10 U	10 U	8	10 U	5 U	5 U	5 U
2987	04/21/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2987	08/08/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2987	10/26/88	4	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U R	5 U V	5 U V
2987	02/01/89	1	10 U V	10 U V	10 U R	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
2987	04/24/89	2	10 U V	10 U V	10 U V	10 U V	6 U A	10 U V	5 U V	5 U V	5 U V

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
3587	05/04/88	2	DRY								
3587	08/18/88	3	DRY								
3587	11/17/88	4	DRY								
3587	02/15/89	1	DRY								
3587	05/09/89	2	DRY								

COLLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
6386	07/06/87	3	DRY								
6386	10/14/87	4	DRY								
6386	02/17/88	1	DRY								
6386	04/13/88	2	DRY								
6386	07/18/88	3	DRY								
6386	10/21/88	4	DRY								
6386	01/18/89	1	DRY								
6386	04/14/89	2	DRY								
6386	06/10/89	2	DRY								
6786	05/11/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6786	06/01/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6786	07/20/87	3	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6786	10/22/87	4	DRY								
6786	03/09/88	1	DRY								
6786	05/04/88	2	DRY								
6786	11/17/88	4	DRY								
6786	02/22/89	1	DRY								
6786	05/09/89	2	DRY								
2987	10/28/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
2987	10/28/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
2987	02/29/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2987	04/21/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2987	08/08/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
2987	10/26/88	4	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
2987	02/01/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U A	5 U V	5 U V
2987	04/24/89	2	5 U V	5 U V	5 U V	10 U A	5 U A	5 U A	10 U R	5 U A	5 U A

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
3587	05/04/88	2	DRY								
3587	08/18/88	3	DRY								
3587	11/17/88	4	DRY								
3587	02/15/89	1	DRY								
3587	05/09/89	2	DRY								

COLLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
6386	07/06/87	3	DRY								
6386	10/14/87	4	DRY								
6386	02/17/88	1	DRY								
6386	04/13/88	2	DRY								
6386	07/18/88	3	DRY								
6386	10/21/88	4	DRY								
6386	01/18/89	1	DRY								
6386	04/14/89	2	DRY								
6386	06/10/89	2	DRY								
6786	05/11/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6786	06/01/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6786	07/20/87	3	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6786	10/22/87	4	DRY								
6786	03/09/88	1	DRY								
6786	05/04/88	2	DRY								
6786	11/17/88	4	DRY								
6786	02/22/89	1	DRY								
6786	05/09/89	2	DRY								
2987	10/28/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
2987	10/28/87	4	5U	5U	5U	5U	5U	5U	5U	10U	10U
2987	02/29/88	1	5 U	4 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2987	04/21/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2987	08/08/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2987	10/26/88	4	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
2987	02/01/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2987	04/24/89	2	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U V	10 U V

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Volatile Organic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
3587	05/04/88	2	DRY						
3587	08/18/88	3	DRY						
3587	11/17/88	4	DRY						
3587	02/15/89	1	DRY						
3587	05/09/89	2	DRY						

COLLUVIUM

6386	07/06/87	3	DRY						
6386	10/14/87	4	DRY						
6386	02/17/88	1	DRY						
6386	04/13/88	2	DRY						
6386	07/18/88	3	DRY						
6386	10/21/88	4	DRY						
6386	01/18/89	1	DRY						
6386	04/14/89	2	DRY						
6386	06/10/89	2	DRY						
6786	05/11/87	1	4 U	NR	NR	NR	NR	NR	NR
6786	06/01/87	2	4 U	NR	NR	NR	NR	NR	NR
6786	07/20/87	3	4 U	NR	NR	NR	NR	NR	NR
6786	10/22/87	4	DRY						
6786	03/09/88	1	DRY						
6786	05/04/88	2	DRY						
6786	11/17/88	4	DRY						
6786	02/22/89	1	DRY						
6786	05/09/89	2	DRY						
2987	10/28/87	4	99	NR	NR	NR	NR	NR	NR
2987	10/28/87	4	5U	5U	5U	5U	5U	5U	5U
2987	02/29/88	1	4 J	5 U	5 U	5 U	5 U	5 U	5 U
2987	04/21/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2987	08/08/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2987	10/26/88	4	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
2987	02/01/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
2987	04/24/89	2	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V

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Volatile Organic Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
4487	11/14/87	4	DRY								
4487	02/22/88	1	DRY								
4487	04/18/88	2	DRY								
4487	07/20/88	3	DRY								
4487	10/26/88	4	DRY								
4487	01/18/89	1	DRY								
4487	04/14/89	2	DRY								
4487	06/10/89	2	DRY								

VALLEY FILL ALLUVIUM

3586	03/17/87	1	NR	NR	NR	NR	NR	NR	NR	48	NR
3586	06/02/87	2	NR	NR	NR	NR	NR	NR	NR	40	NR
3586	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3586	08/26/87	3	NR	NR	NR	NR	NR	NR	NR	19	NR
3586	10/16/87	4	NR	NR	NR	NR	NR	NR	NR	14	NR
3586	10/16/87	4	50U	50U	790	50U	36	50U	25U	11J	62
3586	03/02/88	1	10 U	10 U	492	10 U	6	10 U	5 U	12	49
3586	05/02/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	7	47
3586	08/10/88	3	10 U R	10 U R	403 R	10 U R	5 U R	10 U R	5 U R	9 R	43 R
3586	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3586	01/03/89	4	10 U R	10 U R	930	10 U A	6 B A	10 U A	5 U A	5 U A	62 A
3586	02/09/89	1	10 U V	10 U V	520 V	10 U V	5 U V	10 U V	5 U V	5 U V	40 J A
3586	02/09/89	1	10 U V	10 U V	520 V	10 U V	5 U V	10 U V	5 U V	5 U V	39 J A
3586	05/03/89	2	10 U V	10 U V	470 V	10 U V	5 U V	10 U V	5 U V	13 V	59 V
3686	04/24/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
3686	06/03/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
3686	07/27/87	3	DRY								
3686	08/26/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
3686	10/19/87	4	DRY								
3686	03/07/88	1	DRY								
3686	05/02/88	2	DRY								
3686	08/11/88	3	DRY								
3686	11/08/88	4	DRY								

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Volatile Organic Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
4487	11/14/87	4	DRY								
4487	02/22/88	1	DRY								
4487	04/18/88	2	DRY								
4487	07/20/88	3	DRY								
4487	10/26/88	4	DRY								
4487	01/18/89	1	DRY								
4487	04/14/89	2	DRY								
4487	06/10/89	2	DRY								

VALLEY FILL ALLUVIUM

3586	03/17/87	1	1600	4 U	4 U	NR	32	4 U	NR	NR	NR
3586	06/02/87	2	140	340	4 U	NR	4 U	12	NR	NR	NR
3586	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3586	08/26/87	3	5 U	5 U	5 U	NR	13	5 U	NR	NR	NR
3586	10/16/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
3586	10/16/87	4	NR	25U	25U	50U	11J	25U	50U	25U	25U
3586	03/02/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3586	05/02/88	2	2 J	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3586	08/10/88	3	5 U R	5 U R	5 U R	10 U R	11 R	5 U R	10 U R	5 U R	5 U R
3586	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3586	01/03/89	4	5 U A	3 JB A	5 U A	10 U R	5 U A	7 A	10 U A	5 U A	5 U A
3586	02/09/89	1	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3586	02/09/89	1	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3586	05/03/89	2	3 J A	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
3686	04/24/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
3686	06/03/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
3686	07/27/87	3	DRY								
3686	08/26/87	3	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
3686	10/19/87	4	DRY								
3686	03/07/88	1	DRY								
3686	05/02/88	2	DRY								
3686	08/11/88	3	DRY								
3686	11/08/88	4	DRY								

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Volatile Organic Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
4487	11/14/87	4	DRY								
4487	02/22/88	1	DRY								
4487	04/18/88	2	DRY								
4487	07/20/88	3	DRY								
4487	10/26/88	4	DRY								
4487	01/18/89	1	DRY								
4487	04/14/89	2	DRY								
4487	06/10/89	2	DRY								

VALLEY FILL ALLUVIUM

3586	03/17/87	1	NR	14	NR	4 U	NR	NR	NR	NR	NR
3586	06/02/87	2	NR	16	NR	4 U	NR	NR	NR	NR	NR
3586	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3586	08/26/87	3	NR	8	NR	5 U	NR	NR	NR	NR	NR
3586	10/16/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
3586	10/16/87	4	25U	13JB	25U	25U	25U	25U	25U	50U	50U
3586	03/02/88	1	5 U	10	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3586	05/02/88	2	5 U	19	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3586	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3586	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3586	01/03/89	4	5 U A	9 A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
3586	02/09/89	1	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
3586	02/09/89	1	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
3586	05/03/89	2	5 U V	11 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3686	04/24/87	1	NR	6	NR	4 U	NR	NR	NR	NR	NR
3686	06/03/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
3686	07/27/87	3	DRY								
3686	08/26/87	3	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
3686	10/19/87	4	DRY								
3686	03/07/88	1	DRY								
3686	05/02/88	2	DRY								
3686	08/11/88	3	DRY								
3686	11/08/88	4	DRY								

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Volatile Organic Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
4487	11/14/87	4	DRY						
4487	02/22/88	1	DRY						
4487	04/18/88	2	DRY						
4487	07/20/88	3	DRY						
4487	10/26/88	4	DRY						
4487	01/18/89	1	DRY						
4487	04/14/89	2	DRY						
4487	06/10/89	2	DRY						

VALLEY FILL ALLUVIUM

3586	03/17/87	1	4 U	NR	NR	NR	NR	NR	NR
3586	06/02/87	2	4 U	NR	NR	NR	NR	NR	NR
3586	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
3586	08/26/87	3	5 U	NR	NR	NR	NR	NR	NR
3586	10/16/87	4	5 U	NR	NR	NR	NR	NR	NR
3586	10/16/87	4	25U	25U	25U	25U	25U	25U	25U
3586	03/02/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3586	05/02/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3586	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3586	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
3586	01/03/89	4	5 U A	5 U A	5 B A	5 U A	5 U A	5 U A	5 U A
3586	02/09/89	1	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
3586	02/09/89	1	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
3586	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
3686	04/24/87	1	4 U	NR	NR	NR	NR	NR	NR
3686	06/03/87	2	4 U	NR	NR	NR	NR	NR	NR
3686	07/27/87	3	DRY						
3686	08/26/87	3	5 U	NR	NR	NR	NR	NR	NR
3686	10/19/87	4	DRY						
3686	03/07/88	1	DRY						
3686	05/02/88	2	DRY						
3686	08/11/88	3	DRY						
3686	11/08/88	4	DRY						

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Volatile Organic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
3686	02/09/89	1	DRY								
3686	05/03/89	2	DRY								
3786	07/27/87	3	DRY								
3786	12/10/87	4	DRY								
3786	03/07/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3786	05/09/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3786	08/11/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
3786	11/08/88	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3786	02/09/89	1	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
3786	05/03/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
6486	04/29/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6486	05/28/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6486	07/16/87	3	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6486	10/12/87	4	DRY								
6486	02/17/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
6486	04/11/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
6486	07/13/88	3	DRY								
6486	10/21/88	4	DRY								
6486	01/18/89	1	DRY								
6486	04/24/89	2	10 U V	10 U V	10 U V	10 U V	5 U A	10 U R	5 U V	5 U V	5 U V
6486	05/31/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	2 J V	5 U V	5 U V	5 U V
6586	05/13/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6586	05/28/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6586	07/16/87	3	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6586	09/09/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
6586	10/19/87	4	DRY								
6586	02/29/88	1	10 U	10 U	10 U	10 U	8	10 U	5 U	5 U	5 U
6586	04/18/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
6586	07/19/88	3	DRY								
6586	10/21/88	4	DRY								
6586	01/18/89	1	DRY								
6586	04/24/89	2	DRY								
6586	06/01/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	3 J A	5 U V	5 U V

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Volatile Organic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
3686	02/09/89	1	DRY								
3686	05/03/89	2	DRY								
3786	07/27/87	3	DRY								
3786	12/10/87	4	DRY								
3786	03/07/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3786	05/09/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3786	08/11/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
3786	11/08/88	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3786	02/09/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3786	05/03/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
6486	04/29/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6486	05/28/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6486	07/16/87	3	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6486	10/12/87	4	DRY								
6486	02/17/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6486	04/11/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6486	07/13/88	3	DRY								
6486	10/21/88	4	DRY								
6486	01/18/89	1	DRY								
6486	04/24/89	2	5 U V	5 U A	5 U A	10 U A	5 U V	5 U A	10 U R	5 U V	5 U V
6486	05/31/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
6586	05/13/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6586	05/28/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6586	07/16/87	3	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6586	09/09/87	3	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
6586	10/19/87	4	DRY								
6586	02/29/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6586	04/18/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6586	07/19/88	3	DRY								
6586	10/21/88	4	DRY								
6586	01/18/89	1	DRY								
6586	04/24/89	2	DRY								
6586	06/01/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V

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Volatile Organic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
3686	02/09/89	1	DRY								
3686	05/03/89	2	DRY								
3786	07/27/87	3	DRY								
3786	12/10/87	4	DRY								
3786	03/07/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3786	05/09/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3786	08/11/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3786	11/08/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3786	02/09/89	1	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
3786	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
6486	04/29/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6486	05/28/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6486	07/16/87	3	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6486	10/12/87	4	DRY								
6486	02/17/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6486	04/11/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6486	07/13/88	3	DRY								
6486	10/21/88	4	DRY								
6486	01/18/89	1	DRY								
6486	04/24/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
6486	05/31/89	2	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U R
6586	05/13/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6586	05/28/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6586	07/16/87	3	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6586	09/09/87	3	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
6586	10/19/87	4	DRY								
6586	02/29/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6586	04/18/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6586	07/19/88	3	DRY								
6586	10/21/88	4	DRY								
6586	01/18/89	1	DRY								
6586	04/24/89	2	DRY								
6586	06/01/89	2	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V

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Volatile Organic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
3686	02/09/89	1	DRY						
3686	05/03/89	2	DRY						
3786	07/27/87	3	DRY						
3786	12/10/87	4	DRY						
3786	03/07/88	1	6	5 U	5 U	5 U	5 U	5 U	5 U
3786	05/09/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3786	08/11/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3786	11/08/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3786	02/09/89	1	3 J A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
3786	05/03/89	2	30 R	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
6486	04/29/87	1	4 U	NR	NR	NR	NR	NR	NR
6486	05/28/87	2	4 U	NR	NR	NR	NR	NR	NR
6486	07/16/87	3	4 U	NR	NR	NR	NR	NR	NR
6486	10/12/87	4	DRY						
6486	02/17/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6486	04/11/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6486	07/13/88	3	DRY						
6486	10/21/88	4	DRY						
6486	01/18/89	1	DRY						
6486	04/24/89	2	8 J A	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
6486	05/31/89	2	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
6586	05/13/87	1	4 U	NR	NR	NR	NR	NR	NR
6586	05/28/87	2	4 U	NR	NR	NR	NR	NR	NR
6586	07/16/87	3	4 U	NR	NR	NR	NR	NR	NR
6586	09/09/87	3	5 U	NR	NR	NR	NR	NR	NR
6586	10/19/87	4	DRY						
6586	02/29/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6586	04/18/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6586	07/19/88	3	DRY						
6586	10/21/88	4	DRY						
6586	01/18/89	1	DRY						
6586	04/24/89	2	DRY						
6586	06/01/89	2	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A

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Volatile Organic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
6686	05/11/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6686	05/28/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6686	07/17/87	3	DRY								
6686	10/19/87	4	DRY								
6686	03/31/88	1	10 U	10 U	10 U	10 U	23	10 U	5 U	5 U	5 U
6686	06/02/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
6686	10/07/88	4	DRY								
6686	12/23/88	4	DRY								
6686	03/29/89	1	10 U V	10 U V	10 U V	10 U V	7 U A	10 U V	5 U V	5 U V	5 U V
6686	06/02/89	2	10 U	10 U	10 U	10 U	1 J	10 U	5 U	5 U	5 U
6686	06/02/89	2	Data not yet received								
6686	06/26/89	2	DRY								
2187	10/29/87	4	DRY								
2187	03/07/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2187	05/02/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2187	08/10/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2187	11/08/88	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2187	02/09/89	1	DRY								
2187	05/03/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
0171	03/09/87	1	NR	NR	NR	NR	NR	NR	NR	12	NR
0171	04/30/87	1	NR	NR	NR	NR	NR	NR	NR	22	NR
0171	05/01/87	1	NR	NR	NR	NR	NR	NR	NR	22	NR
0171	05/21/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
0171	07/02/87	3	NR	NR	NR	NR	NR	NR	NR	535	NR
0171	10/14/87	4	NR	NR	NR	NR	NR	NR	NR	13	NR
0171	02/25/88	1	10 U	10 U	10 U	10 U	14	10 U	5 U	12	5 U
0171	04/18/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	7	5 U
0171	07/25/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
0171	07/26/88	3	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
0171	10/31/88	4	10 U V	10 U V	10 U V	10 U V	8 V	10 U V	5 U V	5 U V	5 U V
0171	11/01/88	4	10 U V	10 U V	10 U V	10 U V	4 J V	10 U V	5 U V	6 V	5 U V
0171	02/01/89	1	10 U V	10 U V	10 U R	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
6686	05/11/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6686	05/28/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6686	07/17/87	3	DRY								
6686	10/19/87	4	DRY								
6686	03/31/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6686	06/02/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6686	10/07/88	4	DRY								
6686	12/23/88	4	DRY								
6686	03/29/89	1	5 U V	5 U A	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
6686	06/02/89	2	5 U	26	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6686	06/02/89	2	Data not yet received								
6686	06/26/89	2	DRY								
2187	10/29/87	4	DRY								
2187	03/07/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2187	05/02/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2187	08/10/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
2187	11/08/88	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2187	02/09/89	1	DRY								
2187	05/03/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V

WEATHERED CLAYSTONE

0171	03/09/87	1	38	220	4 U	NR	4	4800	NR	NR	NR
0171	04/30/87	1	4 U	18	24	NR	4 U	2300	NR	NR	NR
0171	05/01/87	1	4 U	18	24	NR	4 U	2300	NR	NR	NR
0171	05/21/87	2	4 U	4 U	400	NR	4 U	3000	NR	NR	NR
0171	07/02/87	3	346	1525	4 U	NR	2892	1405	NR	NR	NR
0171	10/14/87	4	5 U	612	5 U	NR	5 U	440	NR	NR	NR
0171	02/25/88	1	5 U	634	5 U	10 U	5 U	467	10 U	5 U	5 U
0171	04/18/88	2	5 U	455	5 U	10 U	192	964	10 U	5 U	5 U
0171	07/25/88	3	5 U R	290 R	5 U R	10 U R	5 U R	830 R	10 U R	5 U R	5 U R
0171	07/26/88	3	5 U	243	5 U	10 U	5 U	1054	10 U	5 U	5 U
0171	10/31/88	4	5 U V	50 U	5 U V	10 U V	5 U V	790	10 U V	5 U V	5 U V
0171	11/01/88	4	5 U V	50 U	5 U V	10 U V	5 U V	520	10 U V	5 U V	5 U V
0171	02/01/89	1	5 U V	330 V	5 U V	10 U R	5 U V	600 V	10 U A	5 U V	5 U V

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Volatile Organic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
6686	05/11/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6686	05/28/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6686	07/17/87	3	DRY								
6686	10/19/87	4	DRY								
6686	03/31/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6686	06/02/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6686	10/07/88	4	DRY								
6686	12/23/88	4	DRY								
6686	03/29/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
6686	06/02/89	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6686	06/02/89	2	Data not yet received								
6686	06/26/89	2	DRY								
2187	10/29/87	4	DRY								
2187	03/07/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2187	05/02/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2187	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2187	11/08/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2187	02/09/89	1	DRY								
2187	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V

WEATHERED CLAYSTONE

0171	03/09/87	1	NR	1120	NR	4 U	NR	NR	NR	NR	NR
0171	04/30/87	1	NR	1200	NR	4 U	NR	NR	NR	NR	NR
0171	05/01/87	1	NR	1200	NR	4 U	NR	NR	NR	NR	NR
0171	05/21/87	2	NR	2000	NR	4 U	NR	NR	NR	NR	NR
0171	07/02/87	3	NR	691	NR	4 U	NR	NR	NR	NR	NR
0171	10/14/87	4	NR	222	NR	5 U	NR	NR	NR	NR	NR
0171	02/25/88	1	5 U	326	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0171	04/18/88	2	5 U	378	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0171	07/25/88	3	5 U R	203 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
0171	07/26/88	3	5 U	293	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0171	10/31/88	4	5 U V	290	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
0171	11/01/88	4	5 U V	250	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
0171	02/01/89	1	5 U V	290 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
6686	05/11/87	1	4 U	NR	NR	NR	NR	NR	NR
6686	05/28/87	2	4 U	NR	NR	NR	NR	NR	NR
6686	07/17/87	3	DRY						
6686	10/19/87	4	DRY						
6686	03/31/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6686	06/02/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6686	10/07/88	4	DRY						
6686	12/23/88	4	DRY						
6686	03/29/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
6686	06/02/89	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6686	06/02/89	2	Data not yet received						
6686	06/26/89	2	DRY						
2187	10/29/87	4	DRY						
2187	03/07/88	1	6	5 U	5 U	5 U	5 U	5 U	5 U
2187	05/02/88	2	49	5 U	5 U	5 U	5 U	5 U	5 U
2187	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2187	11/08/88	4	4 J	5 U	5 U	5 U	5 U	5 U	5 U
2187	02/09/89	1	DRY						
2187	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V

WEATHERED CLAYSTONE

0171	03/09/87	1	50	NR	NR	NR	NR	NR	NR
0171	04/30/87	1	108	NR	NR	NR	NR	NR	NR
0171	05/01/87	1	108	NR	NR	NR	NR	NR	NR
0171	05/21/87	2	800	NR	NR	NR	NR	NR	NR
0171	07/02/87	3	147	NR	NR	NR	NR	NR	NR
0171	10/14/87	4	132	NR	NR	NR	NR	NR	NR
0171	02/25/88	1	100	5 U	5 U	5 U	5 U	5 U	5 U
0171	04/18/88	2	111	5 U	5 U	5 U	5 U	5 U	5 U
0171	07/25/88	3	54 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
0171	07/26/88	3	67	5 U	5 U	5 U	5 U	5 U	5 U
0171	10/31/88	4	110 V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
0171	11/01/88	4	84 V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
0171	02/01/89	1	78 V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
0171	05/01/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 J A	5 U V
0271	03/11/87	1	NR	NR	NR	NR	NR	NR	NR	17	NR
0271	03/11/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
0271	04/09/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
0271	05/21/87	2	NR	NR	NR	NR	NR	NR	NR	160	NR
0271	07/02/87	3	NR	NR	NR	NR	NR	NR	NR	673	NR
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0271	02/25/88	1	10 U	10 U	10 U	10 U	12	10 U	5 U	8	12
0271	04/20/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	14
0271	07/25/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	21 R
0271	10/31/88	4	10 U V	10 U V	10 U V	10 U V	6 V	10 U V	5 U V	10 V	28 A
0271	02/01/89	1	10 U V	10 U V	10 U R	10 U V	5 U V	10 U V	5 U V	5 U V	11 V
0271	05/01/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	8 V
0174	03/11/87	1	NR	NR	NR	NR	NR	NR	NR	18	NR
0174	05/22/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
0174	07/23/87	3	NR	NR	NR	NR	NR	NR	NR	90	NR
0174	10/21/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
0174	10/21/87	4	10U	10U	10U	10U	5. J	6. JB	5U	5U	5U
0174	03/03/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
0174	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0174	05/09/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
0174	08/11/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
0174	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0174	01/03/89	4	10 U R	10 U R	10 U A	10 U A	4 JB A	10 U A	4 J A	5 U A	5 U A
0174	02/09/89	1	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
0174	05/03/89	2	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
0374	03/17/87	1	NR	NR	NR	NR	NR	NR	NR	8	NR
0374	06/03/87	2	NR	NR	NR	NR	NR	NR	NR	32	NR
0374	07/23/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0374	08/11/87	3	DRY								
0374	09/03/87	3	NR	NR	NR	NR	NR	NR	NR	22	NR
0374	10/22/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
0374	10/22/87	4	125U	125U	125U	125U	56. J	84. JB	62.50 U	62.50 U	62.50 U

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Volatile Organic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
0171	05/01/89	2	5 U V	200 V	5 U V	10 U V	5 U V	690 J A	10 U R	5 U V	5 U V
0271	03/11/87	1	92	410	4 U	NR	24	6	NR	NR	NR
0271	03/11/87	1	50	260	4 U	NR	4 U	4 U	NR	NR	NR
0271	04/09/87	1	4 U	400	4 U	NR	4 U	4 U	NR	NR	NR
0271	05/21/87	2	4 U	60	4 U	NR	4 U	40	NR	NR	NR
0271	07/02/87	3	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0271	02/25/88	1	5 U	231	5 U	10 U	5 U	5 U	10 U	5 U	5 U
0271	04/20/88	2	5 U	227	5 U	10 U	5 U	5 U	10 U	5 U	5 U
0271	07/25/88	3	5 U R	276 R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
0271	10/31/88	4	5 U V	500 U	5 U V	10 U V	26 V	5 U V	10 U V	5 U V	5 U V
0271	02/01/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
0271	05/01/89	2	5 U V	7 V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
0174	03/11/87	1	15	5	4 U	NR	16	4 U	NR	NR	NR
0174	05/22/87	2	4 U	38	20	NR	4 U	4 U	NR	NR	NR
0174	07/23/87	3	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
0174	10/21/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
0174	10/21/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
0174	03/03/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
0174	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0174	05/09/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
0174	08/11/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
0174	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0174	01/03/89	4	5 U A	6 B A	5 U A	10 U R	5 U A	5 U A	10 U A	5 U A	5 U A
0174	02/09/89	1	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
0174	05/03/89	2	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U R	5 U A	5 U A
0374	03/17/87	1	5	35	4 U	NR	10	1200	NR	NR	NR
0374	06/03/87	2	4 U	6	120	NR	4 U	1200	NR	NR	NR
0374	07/23/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0374	08/11/87	3	DRY								
0374	09/03/87	3	5 U	45	5 U	NR	22	1885	NR	NR	NR
0374	10/22/87	4	5 U	27	5 U	NR	5 U	651	NR	NR	NR
0374	10/22/87	4	NR	62.50 U	62.50 U	125U	62.50 U	62.50 U	125U	62.50 U	62.50 U

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Volatile Organic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
0171	05/01/89	2	5 U V	230 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
0271	03/11/87	1	NR	24200	NR	4 U	NR	NR	NR	NR	NR
0271	03/11/87	1	NR	28800	NR	4 U	NR	NR	NR	NR	NR
0271	04/09/87	1	NR	26000	NR	4 U	NR	NR	NR	NR	NR
0271	05/21/87	2	NR	24800	NR	4 U	NR	NR	NR	NR	NR
0271	07/02/87	3	NR	9440	NR	4 U	NR	NR	NR	NR	NR
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0271	02/25/88	1	5 U	7750	5 U	51	5 U	5 U	5 U	10 U	47
0271	04/20/88	2	5 U	6837	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0271	07/25/88	3	5 U R	8520 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
0271	10/31/88	4	5 U V	8200	5 U V	9 V	2 J A	5 U V	5 U V	10 U V	10 U V
0271	02/01/89	1	5 U V	1200 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
0271	05/01/89	2	5 U V	440 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
0174	03/11/87	1	NR	8000	NR	4 U	NR	NR	NR	NR	NR
0174	05/22/87	2	NR	18000	NR	4 U	NR	NR	NR	NR	NR
0174	07/23/87	3	NR	114	NR	4 U	NR	NR	NR	NR	NR
0174	10/21/87	4	NR	1340	NR	NR	NR	NR	NR	NR	NR
0174	10/21/87	4	5U	6. B	5U	5U	5U	5U	5U	10U	10U
0174	03/03/88	1	5 U	4405	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0174	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0174	05/09/88	2	5 U	1800	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0174	08/11/88	3	5 U R	1995 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
0174	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0174	01/03/89	4	5 U A	2200**	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
0174	02/09/89	1	5 U V	1800 V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
0174	05/03/89	2	5 U A	1800 V	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
0374	03/17/87	1	NR	200	NR	4 U	NR	NR	NR	NR	NR
0374	06/03/87	2	NR	400	NR	4 U	NR	NR	NR	NR	NR
0374	07/23/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
0374	08/11/87	3	DRY								
0374	09/03/87	3	NR	218	NR	5 U	NR	NR	NR	NR	NR
0374	10/22/87	4	NR	55	NR	5 U	NR	NR	NR	NR	NR
0374	10/22/87	4	62.50 U	140. B	62.50 U	62.50 U	62.50 U	70U	62.50 U	125U	125U

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
0171	05/01/89	2	69 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
0271	03/11/87	1	152	NR	NR	NR	NR	NR	NR
0271	03/11/87	1	4	NR	NR	NR	NR	NR	NR
0271	04/09/87	1	1000	NR	NR	NR	NR	NR	NR
0271	05/21/87	2	440	NR	NR	NR	NR	NR	NR
0271	07/02/87	3	192	NR	NR	NR	NR	NR	NR
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
0271	02/25/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0271	04/20/88	2	30	5 U	5 U	5 U	5 U	5 U	5 U
0271	07/25/88	3	57 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
0271	10/31/88	4	81 V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
0271	02/01/89	1	16 V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
0271	05/01/89	2	8 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
0174	03/11/87	1	80000	NR	NR	NR	NR	NR	NR
0174	05/22/87	2	528000	NR	NR	NR	NR	NR	NR
0174	07/23/87	3	115	NR	NR	NR	NR	NR	NR
0174	10/21/87	4	35600	NR	NR	NR	NR	NR	NR
0174	10/21/87	4	5U	5U	5U	5U	5U	5U	5U
0174	03/03/88	1	33600	5 U	5 U	5 U	5 U	5 U	5 U
0174	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
0174	05/09/88	2	32850	5 U	5 U	5 U	5 U	5 U	5 U
0174	08/11/88	3	49600 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
0174	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
0174	01/03/89	4	31000**	5 U A	5 JB A	5 U A	5 U A	9 A	5 U A
0174	02/09/89	1	33000 V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
0174	05/03/89	2	45000 V	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
0374	03/17/87	1	480	NR	NR	NR	NR	NR	NR
0374	06/03/87	2	1080	NR	NR	NR	NR	NR	NR
0374	07/23/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
0374	08/11/87	3	DRY						
0374	09/03/87	3	345	NR	NR	NR	NR	NR	NR
0374	10/22/87	4	172	NR	NR	NR	NR	NR	NR
0374	10/22/87	4	62.50 U	62.50 U	62.50 U	62.50 U	62.50 U	62.50 U	62.50 U

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
0374	03/07/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
0374	05/04/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
0374	08/19/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
0374	11/10/88	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
0374	02/15/89	1	DRY								
0374	05/08/89	2	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
6286	04/09/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6286	04/29/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6286	05/26/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6286	07/06/87	3	NR	NR	NR	NR	NR	NR	NR	4 U	NR
6286	10/14/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
6286	02/17/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
6286	04/13/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
6286	07/14/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
6286	10/20/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
6286	11/14/88	4	10 U R	10 U A	10 U V	10 U R	5 J A	10 U V	5 U V	5 U V	5 U V
6286	01/23/89	1	10 U R	10 U V	10 U R	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
6286	04/19/89	2	10 U V	10 U V	10 U V	10 U V	5 U A	10 U R	5 U V	5 U V	5 U V
6286	06/10/89	2	10 U	10 U	10 U	10 U	5 U	2 JB	5 U	5 U	5 U
0987BR	06/19/87	2	50U	50U	50U	50U	2 J	7 JB	25U	25U	25U
0987BR	10/12/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
0987BR	10/12/87	4	10U	10U	10U	10U	4JB	10U	5U	5U	5U
0987BR	02/25/88	1	10 U	10 U	10 U	10 U	10	10 U	5 U	5 U	5 U
0987BR	04/19/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
0987BR	08/09/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
0987BR	10/26/88	4	10.0 U V	10.0 U V	10.0 U V	10.0 U V	5.0 U V	10.0 U V	5.0 U R	5.0 U V	5.0 U V
0987BR	01/25/89	1	10 U R	10 U A	10 U R	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
0987BR	05/01/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
0987BR	05/01/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
1187BR	09/16/87	3	1000U	1000U	1000U	1000U	500U	1000U	500U	500U	500U
1187BR	09/16/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
0374	03/07/88	1	5 U	20	5 U	10 U	25	461	10 U	5 U	5 U
0374	05/04/88	2	5 U	5 U	5 U	10 U	5 U	380	10 U	5 U	5 U
0374	08/19/88	3	5 U R	5 U R	5 U R	10 U R	5 R	495 R	10 U R	5 U R	5 U R
0374	11/10/88	4	5 U	10	5 U	10 U	5 U	1755	10 U	5 U	5 U
0374	02/15/89	1	DRY								
0374	05/08/89	2	5 U A	11 J A	5 U A	10 U R	5 U V	1100 V	10 U V	5 U V	5 U V

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
6286	04/09/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6286	04/29/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6286	05/26/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6286	07/06/87	3	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
6286	10/14/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
6286	02/17/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6286	04/13/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
6286	07/14/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
6286	10/20/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
6286	11/14/88	4	5 U V	5 U A	5 U V	10 U R	5 U V	2 J V	10 U V	5 U V	5 U V
6286	01/23/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	2 J A	10 U V	5 U V	5 U V
6286	04/19/89	2	5 U V	5 U A	5 U A	10 U A	5 U V	5 U A	10 U R	5 U V	5 U V
6286	06/10/89	2	5 U	5 U	5 U	10 U	5 U	1 J	10 U	5 U	5 U
0987BR	06/19/87	2	NR	25U	25U	50U	25U	25U	50U	25U	25U
0987BR	10/12/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
0987BR	10/12/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
0987BR	02/25/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
0987BR	04/19/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
0987BR	08/09/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
0987BR	10/26/88	4	5.0 U V	5.0 U V	5.0 U V	10.0 U V	5.0 U V	5.0 U V	10.0 U V	5.0 U V	5.0 U V
0987BR	01/25/89	1	5 U A	5 U A	5 U A	10 U R	5 U A	5 U A	10 U A	5 U A	5 U A
0987BR	05/01/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
0987BR	05/01/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
1187BR	09/16/87	3	NR	500U	500U	1000U	500U	430J	1000U	500U	500U
1187BR	09/16/87	3	5 U	71	5 U	NR	5 U	560	NR	NR	NR

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
0374	03/07/88	1	5 U	55	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0374	05/04/88	2	5 U	133	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0374	08/19/88	3	5 U R	49 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
0374	11/10/88	4	5 U	812	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0374	02/15/89	1	DRY								
0374	05/08/89	2	5 U V	25 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V

WEATHERED SANDSTONE

6286	04/09/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6286	04/29/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6286	05/26/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6286	07/06/87	3	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
6286	10/14/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
6286	02/17/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6286	04/13/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
6286	07/14/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
6286	10/20/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
6286	11/14/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
6286	01/23/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
6286	04/19/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
6286	06/10/89	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0987BR	06/19/87	2	25U	25U	25U	25U	25U	25U	25U	50U	50U
0987BR	10/12/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
0987BR	10/12/87	4	5U	5U	5U	5U	5U	5U	5U	10U	10U
0987BR	02/25/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0987BR	04/19/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
0987BR	08/09/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
0987BR	10/26/88	4	5.0 U V	5.0 U V	5.0 U V	5.0 U V	5.0 U A	5.0 U V	5.0 U V	10.0 U V	10.0 U V
0987BR	01/25/89	1	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
0987BR	05/01/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
0987BR	05/01/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
1187BR	09/16/87	3	500U	590	500U	500U	500U	500U	500U	1000U	1000U
1187BR	09/16/87	3	NR	595	NR	5 U	NR	NR	NR	NR	NR

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
0374	03/07/88	1	103	5 U	5 U	5 U	5 U	5 U	5 U
0374	05/04/88	2	103	5 U	5 U	5 U	5 U	5 U	5 U
0374	08/19/88	3	118 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
0374	11/10/88	4	100	5 U	5 U	5 U	5 U	5 U	5 U
0374	02/15/89	1	DRY						
0374	05/08/89	2	50 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V

WEATHERED SANDSTONE

6286	04/09/87	1	4 U	NR	NR	NR	NR	NR	NR
6286	04/29/87	1	4 U	NR	NR	NR	NR	NR	NR
6286	05/26/87	2	4 U	NR	NR	NR	NR	NR	NR
6286	07/06/87	3	4 U	NR	NR	NR	NR	NR	NR
6286	10/14/87	4	5 U	NR	NR	NR	NR	NR	NR
6286	02/17/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6286	04/13/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
6286	07/14/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
6286	10/20/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
6286	11/14/88	4	29 J A	5 U V	5 U A	5 U V	5 U A	5 U V	5 U V
6286	01/23/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
6286	04/19/89	2	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
6286	06/10/89	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0987BR	06/19/87	2	25U	25U	25U	25U	25U	25U	25U
0987BR	10/12/87	4	5 U	NR	NR	NR	NR	NR	NR
0987BR	10/12/87	4	5U	5U	5U	5U	5U	5U	5U
0987BR	02/25/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0987BR	04/19/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
0987BR	08/09/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
0987BR	10/26/88	4	5.0 U V	5.0 U V	5.0 U A	5.0 U A	5.0 U A	5.0 U A	5.0 U A
0987BR	01/25/89	1	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
0987BR	05/01/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
0987BR	05/01/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
1187BR	09/16/87	3	500U	500U	500U	500U	500U	500U	500U
1187BR	09/16/87	3	22	NR	NR	NR	NR	NR	NR

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1187BR	10/12/87	4	DRY								
1187BR	02/17/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1187BR	04/13/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	4 J	5 U
1187BR	08/08/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
1187BR	10/26/88	4	DRY								
1187BR	02/07/89	1	DRY								
1187BR	05/02/89	2	DRY								
1287BR	08/31/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
1287BR	02/25/88	1	10 U	10 U	10 U	10 U	9	10 U	5 U	5 U	5 U
1287BR	04/20/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1287BR	07/25/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
1287BR	10/31/88	4	DRY								
1287BR	02/07/89	1	DRY								
1287BR	05/02/89	2	DRY								
1487BR	08/31/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
1487BR	10/12/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
1487BR	10/12/87	4	10U	10U	10U	10U	3JB	26B	5U	1J	5U
1487BR	02/29/88	1	10 U	10 U	10 U	10 U	7	26	5 U	5 U	5 U
1487BR	04/21/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1487BR	08/08/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
1487BR	10/26/88	4	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U R	5 U V	5 U V
1487BR	01/25/89	1	10 U R	10 U A	10 U R	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
1487BR	01/25/89	1	10 U R	10 U A	10 U R	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
1487BR	04/24/89	2	10 U V	10 U V	10 U V	10 U V	6 U A	10 U V	5 U V	5 U V	5 U V
2387BR	09/10/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	10/21/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
2387BR	10/21/87	4	10U	10U	10U	10U	3J	3JB	5U	5U	5U
2387BR	10/21/87	4	25U	25U	25U	25U	4. JB	25U	12.50 U	12.50 U	12.50 U
2387BR	03/02/88	1	10 U	10 U	10 U	10 U	8	10 U	5 U	5 U	5 U
2387BR	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	05/09/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2387BR	08/10/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1187BR	10/12/87	4	DRY								
1187BR	02/17/88	1	5 U	129	5 U	10 U	277	495	10 U	5 U	5 U
1187BR	04/13/88	2	5 U	121	5 U	10 U	301	436	10 U	5 U	5 U
1187BR	08/08/88	3	5 U R	129 R	5 U R	10 U R	5 U R	605 R	10 U R	5 U R	5 U R
1187BR	10/26/88	4	DRY								
1187BR	02/07/89	1	DRY								
1187BR	05/02/89	2	DRY								
1287BR	08/31/87	3	5 U	33	5 U	NR	5 U	58	NR	NR	NR
1287BR	02/25/88	1	5 U	17	5 U	10 U	5 U	20	10 U	5 U	5 U
1287BR	04/20/88	2	5 U	17	5 U	10 U	5 U	43	10 U	5 U	5 U
1287BR	07/25/88	3	5 U R	17 R	5 U R	10 U R	5 U R	27 R	10 U R	5 U R	5 U R
1287BR	10/31/88	4	DRY								
1287BR	02/07/89	1	DRY								
1287BR	05/02/89	2	DRY								
1487BR	08/31/87	3	5 U	23	5 U	NR	5 U	404	NR	NR	NR
1487BR	10/12/87	4	5 U	17	5 U	NR	5 U	258	NR	NR	NR
1487BR	10/12/87	4	NR	14	5U	10U	5U	160	10U	5U	5U
1487BR	02/29/88	1	5 U	7	5 U	10 U	5 U	38	10 U	5 U	5 U
1487BR	04/21/88	2	5 U	14	5 U	10 U	5 U	232	10 U	5 U	5 U
1487BR	08/08/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	110 R	10 U R	5 U R	5 U R
1487BR	10/26/88	4	5 U V	8 B A	5 U V	10 U V	5 U V	77 V	10 U V	5 U V	5 U V
1487BR	01/25/89	1	5 U A	5 U A	5 U A	10 U R	5 U A	150 V	10 U A	5 U A	5 U A
1487BR	01/25/89	1	5 U A	5 U A	5 U A	10 U R	5 U A	120 V	10 U A	5 U A	5 U A
1487BR	04/24/89	2	5 U V	16 V	5 U V	10 U V	5 U V	160 J A	10 U R	5 U V	5 U V
2387BR	09/10/87	3	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	10/21/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
2387BR	10/21/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
2387BR	10/21/87	4	NR	12.50 U	12.50 U	25U	12.50 U	12.50 U	25U	12.50 U	12.50 U
2387BR	03/02/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2387BR	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	05/09/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2387BR	08/10/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1187BR	10/12/87	4	DRY								
1187BR	02/17/88	1	5 U	824	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1187BR	04/13/88	2	5 U	573	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1187BR	08/08/88	3	5 U R	1090 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U. R
1187BR	10/26/88	4	DRY								
1187BR	02/07/89	1	DRY								
1187BR	05/02/89	2	DRY								
1287BR	08/31/87	3	NR	3570	NR	5 U	NR	NR	NR	NR	NR
1287BR	02/25/88	1	5 U	547	5 U	5 U	5 U	5 U	5 U	10 U	5 U
1287BR	04/20/88	2	5 U	751	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1287BR	07/25/88	3	5 U R	528 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
1287BR	10/31/88	4	DRY								
1287BR	02/07/89	1	DRY								
1287BR	05/02/89	2	DRY								
1487BR	08/31/87	3	NR	109	NR	5 U	NR	NR	NR	NR	NR
1487BR	10/12/87	4	NR	47	NR	5 U	NR	NR	NR	NR	NR
1487BR	10/12/87	4	5U	52B	5U	5U	5U	5U	5U	10U	10U
1487BR	02/29/88	1	5 U	28	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1487BR	04/21/88	2	5 U	71	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1487BR	08/08/88	3	5 U R	54 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
1487BR	10/26/88	4	5 U V	36 A	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
1487BR	01/25/89	1	5 U A	54 J A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
1487BR	01/25/89	1	5 U A	58 J A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
1487BR	04/24/89	2	5 U V	68 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2387BR	09/10/87	3	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	10/21/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
2387BR	10/21/87	4	5U	5U	5U	5U	5U	5U	5U	10U	10U
2387BR	10/21/87	4	12.50 U	4. JB	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U	25U	25U
2387BR	03/02/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2387BR	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	05/09/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2387BR	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
1187BR	10/12/87	4	DRY						
1187BR	02/17/88	1	20	5 U	5 U	5 U	5 U	5 U	5 U
1187BR	04/13/88	2	28	5 U	5 U	5 U	5 U	5 U	5 U
1187BR	08/08/88	3	26 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
1187BR	10/26/88	4	DRY						
1187BR	02/07/89	1	DRY						
1187BR	05/02/89	2	DRY						
1287BR	08/31/87	3	43	NR	NR	NR	NR	NR	NR
1287BR	02/25/88	1	34	5 U	5 U	5 U	5 U	5 U	5 U
1287BR	04/20/88	2	57	5 U	5 U	5 U	5 U	5 U	5 U
1287BR	07/25/88	3	42 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
1287BR	10/31/88	4	DRY						
1287BR	02/07/89	1	DRY						
1287BR	05/02/89	2	DRY						
1487BR	08/31/87	3	5 U	NR	NR	NR	NR	NR	NR
1487BR	10/12/87	4	5 U	NR	NR	NR	NR	NR	NR
1487BR	10/12/87	4	1J	5U	5U	5U	5U	5U	5U
1487BR	02/29/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1487BR	04/21/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1487BR	08/08/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
1487BR	10/26/88	4	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
1487BR	01/25/89	1	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
1487BR	01/25/89	1	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
1487BR	04/24/89	2	4 J A	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
2387BR	09/10/87	3	5 U	NR	NR	NR	NR	NR	NR
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
2387BR	10/21/87	4	5 U	NR	NR	NR	NR	NR	NR
2387BR	10/21/87	4	5U	5U	5U	5U	5U	5U	5U
2387BR	10/21/87	4	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U
2387BR	03/02/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2387BR	04/28/88	2	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
2387BR	05/09/88	2	19	5 U	5 U	5 U	5 U	5 U	5 U
2387BR	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R

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Volatile Organic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
2387BR	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	01/03/89	4	10 U R	10 U R	10 U V	10 U V	6 B A	10 U V	5 U V	5 U V	5 U V
2387BR	02/07/89	1	10 U R	10 U V	10 U R	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
2387BR	05/03/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
2587BR	09/10/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2587BR	10/21/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
2587BR	10/21/87	4	50U	50U	50U	50U	13JB	110B	25U	25U	25U
2587BR	10/27/87	4	25U	25U	25U	25U	8. JB	25U	12.50 U	12.50 U	12.50 U
2587BR	03/03/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2587BR	05/12/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2587BR	08/16/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2587BR	08/16/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2587BR	11/10/88	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2587BR	02/15/89	1	10 U V	10 U V	10 U V	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V
2587BR	05/08/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
3687BR	11/05/87	4	10 U	10 U	10 U	10 U	119	38	5 U	1044	5 U
3687BR	11/05/87	4	10U	10U	10U	10U	3. J	9. JB	5U	5U	5U
3687BR	11/06/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3687BR	03/09/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3687BR	05/04/88	2	10 U	10 U	10 U	10 U	5 U	11	5 U	230	5 U
3687BR	08/19/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
3687BR	11/10/88	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	506	5 U
3687BR	02/15/89	1	10 U V	10 U V	10 U V	10 U A	5 U V	10 U V	5 U V	32 V	5 U V
3687BR	05/08/89	2	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	22 J A	5 U A

UNWEATHERED SANDSTONE

3486	03/17/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
3486	04/06/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
3486	06/02/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
3486	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3486	10/16/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
3486	10/16/87	4	10U	10U	10U	10U	5J	10U	5U	5U	5U

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
2387BR	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	01/03/89	4	5 U V	3 JB A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
2387BR	02/07/89	1	5 U V	2 J A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
2387BR	05/03/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
2587BR	09/10/87	3	5 U	18	5 U	NR	5 U	61	NR	NR	NR
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2587BR	10/21/87	4	5 U	5 U	5 U	NR	5 U	75	NR	NR	NR
2587BR	10/21/87	4	NR	5J	25U	50U	25U	49	50U	25U	25U
2587BR	10/27/87	4	NR	6. JB	12.50 U	25U	12.50 U	12.50 U	25U	12.50 U	12.50 U
2587BR	03/03/88	1	5 U	4 J	5 U	10 U	5 U	110	10 U	5 U	5 U
2587BR	05/12/88	2	5 U	5 U	5 U	10 U	5 U	160	10 U	5 U	5 U
2587BR	08/16/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	82 R	10 U R	5 U R	5 U R
2587BR	08/16/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	121 R	10 U R	5 U R	5 U R
2587BR	11/10/88	4	5 U	5 U	5 U	10 U	5 U	835	10 U	5 U	5 U
2587BR	02/15/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	180 V	10 U V	5 U V	5 U V
2587BR	05/08/89	2	5 U V	5 J V	5 U V	10 U R	5 U V	290 V	10 U V	5 U V	5 U V
3687BR	11/05/87	4	5 U	5427	5 U	10 U	1472	3673	10 U	5 U	5 U
3687BR	11/05/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
3687BR	11/06/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3687BR	03/09/88	1	5 U	1370	5 U	10 U	5 U	545	10 U	5 U	5 U
3687BR	05/04/88	2	5 U	2810	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3687BR	08/19/88	3	5 U R	56 R	5 U R	10 U R	5 U R	37 R	10 U R	5 U R	5 U R
3687BR	11/10/88	4	92	486	5 U	10 U	8	1611	10 U	5 U	5 U
3687BR	02/15/89	1	5 U V	270 V	5 U V	10 U R	63 V	620 V	10 U V	5 U V	5 U V
3687BR	05/08/89	2	5 U A	290E	5 U A	10 U R	5 U A	610 V	10 U A	5 U A	5 U A

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3486	03/17/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
3486	04/06/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
3486	06/02/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
3486	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3486	10/16/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
3486	10/16/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U

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Volatile Organic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
2387BR	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2387BR	01/03/89	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2387BR	02/07/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2387BR	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2587BR	09/10/87	3	NR	56	NR	5 U	NR	NR	NR	NR	NR
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
2587BR	10/21/87	4	NR	42	NR	5 U	NR	NR	NR	NR	NR
2587BR	10/21/87	4	25U	47	25U	25U	25U	25U	25U	50U	50U
2587BR	10/27/87	4	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U	25U	25U
2587BR	03/03/88	1	5 U	83	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2587BR	05/12/88	2	5 U	115	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2587BR	08/16/88	3	5 U R	72 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2587BR	08/16/88	3	5 U R	123 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2587BR	11/10/88	4	5 U	258	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2587BR	02/15/89	1	5 U V	110 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2587BR	05/08/89	2	5 U V	120 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3687BR	11/05/87	4	5 U	118298	5 U	5 U	5 U	5 U	5 U	10U	28
3687BR	11/05/87	4	5U	160.	5U	5U	5U	5U	5U	10U	10U
3687BR	11/06/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3687BR	03/09/88	1	5 U	131820	5 U	5 U	5 U	5 U	5 U	10 U	975
3687BR	05/04/88	2	5 U	221860	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3687BR	08/19/88	3	5 U R	71150 R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3687BR	11/10/88	4	5 U	2451	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3687BR	02/15/89	1	5 U V	49000 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3687BR	05/08/89	2	5 U A	12000 V	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A

UNWEATHERED SANDSTONE

3486	03/17/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
3486	04/06/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
3486	06/02/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
3486	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3486	10/16/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
3486	10/16/87	4	5U	5U	5U	5U	5U	5U	5U	10U	10U

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Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
2387BR	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
2387BR	01/03/89	4	3 J A	5 U V	5 B A	5 U V	5 U V	5 U V	5 U V
2387BR	02/07/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
2387BR	05/03/89	2	74 R	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
2587BR	09/10/87	3	320	NR	NR	NR	NR	NR	NR
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
2587BR	10/21/87	4	528	NR	NR	NR	NR	NR	NR
2587BR	10/21/87	4	340	25U	25U	25U	25U	25U	25U
2587BR	10/27/87	4	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U	12.50 U
2587BR	03/03/88	1	598	5 U	5 U	5 U	5 U	5 U	5 U
2587BR	05/12/88	2	680	5 U	5 U	5 U	5 U	5 U	5 U
2587BR	08/16/88	3	467 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2587BR	08/16/88	3	457 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2587BR	11/10/88	4	433	5 U	5 U	5 U	5 U	5 U	5 U
2587BR	02/15/89	1	360 V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
2587BR	05/08/89	2	840 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
3687BR	11/05/87	4	4654	5 U	53	5 U	5 U	5 U	5 U
3687BR	11/05/87	4	2. J	5U	5U	5U	5U	5U	5U
3687BR	11/06/87	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
3687BR	03/09/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3687BR	05/04/88	2	2450	5 U	5 U	5 U	5 U	5 U	5 U
3687BR	08/19/88	3	34 R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3687BR	11/10/88	4	396	5 U	5 U	5 U	5 U	5 U	5 U
3687BR	02/15/89	1	260 V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
3687BR	05/08/89	2	350E V	5 U A	2 J A	5 U A	5 U A	5 U A	5 U A

UNWEATHERED SANDSTONE

3486	03/17/87	1	4 U	NR	NR	NR	NR	NR	NR
3486	04/06/87	1	4 U	NR	NR	NR	NR	NR	NR
3486	06/02/87	2	4 U	NR	NR	NR	NR	NR	NR
3486	07/28/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
3486	10/16/87	4	5 U	NR	NR	NR	NR	NR	NR
3486	10/16/87	4	5U	5U	5U	5U	5U	5U	5U

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Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
3486	03/02/88	1	10 U	10 U	10 U	10 U	6	10 U	5 U	5 U	5 U
3486	05/02/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3486	08/10/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
3486	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3486	01/03/89	4	10 U R	10 U R	10 U V	10 U V	6 B A	10 U V	5 U V	5 U V	5 U V
3486	02/09/89	1	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
3486	05/03/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
4086	05/06/87	1	NR	NR	NR	NR	NR	NR	NR	4 U	NR
4086	06/01/87	2	NR	NR	NR	NR	NR	NR	NR	4 U	NR
4086	07/21/87	3	DRY								
4086	10/26/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
4086	10/26/87	4	00U	10U	10U	10U	1. J	4. JB	5U	5U	5U
4086	03/10/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
4086	05/12/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
4086	08/24/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
4086	11/16/88	4	10 U R	10 U V	10 U V	10 U R	3 JB A	10 U V	5 U V	5 U V	5 U V
4086	02/15/89	1	10 U V	10 U V	10 U V	10 U V	6 U A	10 U V	5 U V	5 U V	5 U V
4086	02/15/89	1	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
4086	05/10/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
1687BR	09/10/87	3	NR	NR	NR	NR	NR	NR	NR	5 U	NR
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1687BR	10/16/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
1687BR	10/16/87	4	10U	10U	10U	10U	5J	10U	5U	5U	5U
1687BR	02/29/88	1	10 U	10 U	10 U	10 U	8	10 U	5 U	5 U	5 U
1687BR	04/21/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1687BR	08/09/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
1687BR	10/31/88	4	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
1687BR	02/07/89	1	10 U R	10 U A	10 U R	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
1687BR	05/01/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
1887BR	10/27/87	4	DRY								
1887BR	03/07/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1887BR	05/02/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
1887BR	08/15/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								

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Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
3486	03/02/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3486	05/02/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3486	08/10/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
3486	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3486	01/03/89	4	5 U V	3 JB A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3486	02/09/89	1	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3486	05/03/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
4086	05/06/87	1	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
4086	06/01/87	2	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
4086	07/21/87	3	DRY								
4086	10/26/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
4086	10/26/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
4086	03/10/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
4086	05/12/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
4086	08/24/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
4086	11/16/88	4	5 U V	2 JB A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
4086	02/15/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
4086	02/15/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
4086	05/10/89	2	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
1687BR	09/10/87	3	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1687BR	10/16/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
1687BR	10/16/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
1687BR	02/29/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
1687BR	04/21/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
1687BR	08/09/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
1687BR	10/31/88	4	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
1687BR	02/07/89	1	5 U A	2 J A	5 U A	10 U R	5 U A	5 U A	10 U A	5 U A	5 U A
1687BR	05/01/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
1887BR	10/27/87	4	DRY								
1887BR	03/07/88	1	5 U	29	5 U	10 U	5 U	5 U	10 U	5 U	5 U
1887BR	05/02/88	2	5 U	12	5 U	10 U	5 U	5 U	10 U	5 U	5 U
1887BR	08/15/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								

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UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
3486	03/02/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3486	05/02/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3486	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3486	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
3486	01/03/89	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3486	02/09/89	1	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
3486	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4086	05/06/87	1	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
4086	06/01/87	2	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
4086	07/21/87	3	DRY								
4086	10/26/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
4086	10/26/87	4	5U	5U	5U	5U	5U	5U	5U	10U	10U
4086	03/10/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4086	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4086	08/24/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
4086	11/16/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4086	02/15/89	1	5 U V	18 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4086	02/15/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4086	05/10/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
1687BR	09/10/87	3	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								
1687BR	10/16/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
1687BR	10/16/87	4	5U	5U	5U	5U	5U	5U	5U	10U	10U
1687BR	02/29/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1687BR	04/21/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1687BR	08/09/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
1687BR	10/31/88	4	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
1687BR	02/07/89	1	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
1687BR	05/01/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
1887BR	10/27/87	4	DRY								
1887BR	03/07/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1887BR	05/02/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1887BR	08/15/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS								

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
3486	03/02/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3486	05/02/88	2	40	5 U	5 U	5 U	5 U	5 U	5 U
3486	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3486	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
3486	01/03/89	4	5 U V	5 U V	4 JB A	5 U V	5 U V	5 U V	5 U V
3486	02/09/89	1	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
3486	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
4086	05/06/87	1	4 U	NR	NR	NR	NR	NR	NR
4086	06/01/87	2	130	NR	NR	NR	NR	NR	NR
4086	07/21/87	3	DRY						
4086	10/26/87	4	5 U	NR	NR	NR	NR	NR	NR
4086	10/26/87	4	5U	5U	5U	5U	5U	5U	5U
4086	03/10/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4086	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4086	08/24/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
4086	11/16/88	4	5 U A	5 U V	4 JB A	5 U V	5 U V	5 U V	5 U V
4086	02/15/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
4086	02/15/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
4086	05/10/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
1687BR	09/10/87	3	5 U	NR	NR	NR	NR	NR	NR
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						
1687BR	10/16/87	4	5 U	NR	NR	NR	NR	NR	NR
1687BR	10/16/87	4	5U	5U	5U	5U	5U	5U	5U
1687BR	02/29/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687BR	04/21/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1687BR	08/09/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
1687BR	10/31/88	4	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
1687BR	02/07/89	1	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
1687BR	05/01/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
1887BR	10/27/87	4	DRY						
1887BR	03/07/88	1	16	5 U	5 U	5 U	5 U	5 U	5 U
1887BR	05/02/88	2	32	5 U	5 U	5 U	5 U	5 U	5 U
1887BR	08/15/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR VOLATILE ORGANIC ANALYSIS						

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
1887BR	01/03/89	4	10 U R	10 U R	10 U A	10 U A	5 B A	10 U A	5 U A	5 U A	5 U A
1887BR	02/07/89	1	10 U R	10 U V	10 U R	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V
1887BR	05/03/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
2087BR	10/26/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
2087BR	10/26/87	4	10U	10U	10U	10U	7.	58. B	5U	5U	5U
2087BR	03/03/88	1	10 U	10 U	10 U	10 U	5 U	13	5 U	5 U	5 U
2087BR	05/09/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2087BR	08/11/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2087BR	11/08/88	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2087BR	02/07/89	1	10 U V	10 U V	10 U V	10 U V	5 J A	10 U V	5 U V	5 U V	5 U V
2087BR	05/03/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
2287BR	03/07/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2287BR	05/02/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2287BR	08/10/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2287BR	11/09/88	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2287BR	02/09/89	1	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
2287BR	05/03/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
2887BR	03/14/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2887BR	05/12/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
2887BR	08/22/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
2887BR	11/16/88	4	10 U R	10 U V	10 U V	10 U R	4 JB A	10 U V	5 U V	5 U V	5 U V
2887BR	02/20/89	1	10 U V	10 U V	10 U V	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V
2887BR	05/08/89	2	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
3087BR	01/22/88	4	10 U	10 U	10 U	10 U	15	10 U	5 U	5 U	5 U
3087BR	03/02/88	1	10 U	10 U	10 U	10 U	8	10 U	5 U	5 U	5 U
3087BR	04/21/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3087BR	08/08/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
3087BR	08/09/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
3087BR	10/26/88	4	10 U V	10 U V	10 U V	10 U V	5 U A	10 U V	5 U R	5 U V	5 U V
3087BR	10/27/88	4	10 U V	10 U V	10 U V	10 U V	5 U A	10 U V	5 U R	5 U V	5 U V
3087BR	02/01/89	1	10 U R	10 U A	10 U R	10 U A	5 U A	10 U V	5 U V	5 U V	5 U V
3087BR	04/24/89	2	10 U A	10 U A	10 U A	10 U A	6 U A	10 U A	5 U A	5 U A	5 U A

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
1887BR	01/03/89	4	5 U A	4 JB A	5 U A	10 U R	5 U A	5 U A	10 U A	5 U A	5 U A
1887BR	02/07/89	1	5 U V	2 J A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
1887BR	05/03/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
2087BR	10/26/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
2087BR	10/26/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
2087BR	03/03/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2087BR	05/09/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2087BR	08/11/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
2087BR	11/08/88	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2087BR	02/07/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
2087BR	05/03/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
2287BR	03/07/88	1	5 U	5 U	5 U	9 J	5 U	5 U	10 U	5 U	5 U
2287BR	05/02/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2287BR	08/10/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
2287BR	11/09/88	4	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2287BR	02/09/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
2287BR	05/03/89	2	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
2887BR	03/14/88	1	5 U	27	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2887BR	05/12/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
2887BR	08/22/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
2887BR	11/16/88	4	5 U V	3 JB A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
2887BR	02/20/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
2887BR	05/08/89	2	5 U A	5 U A	5 U A	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3087BR	01/22/88	4	5 U	23	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3087BR	03/02/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3087BR	04/21/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3087BR	08/08/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
3087BR	08/09/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
3087BR	10/26/88	4	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
3087BR	10/27/88	4	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
3087BR	02/01/89	1	5 U V	2 A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3087BR	04/24/89	2	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U R	5 U A	5 U A

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
1887BR	01/03/89	4	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
1887BR	02/07/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
1887BR	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2087BR	10/26/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
2087BR	10/26/87	4	5U	5U	5U	5U	5U	5U	5U	10U	10U
2087BR	03/03/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2087BR	05/09/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2087BR	08/11/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2087BR	11/08/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2087BR	02/07/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2087BR	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2287BR	03/07/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2287BR	05/02/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2287BR	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2287BR	11/09/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2287BR	02/09/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2287BR	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2887BR	03/14/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2887BR	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
2887BR	08/22/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
2887BR	11/16/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2887BR	02/20/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
2887BR	05/08/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3087BR	01/22/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3087BR	03/02/88	1	5 U	5	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3087BR	04/21/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3087BR	08/08/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3087BR	08/09/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3087BR	10/26/88	4	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
3087BR	10/27/88	4	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
3087BR	02/01/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3087BR	04/24/89	2	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U V	10 U V

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Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
1887BR	01/03/89	4	5 U A	5 U A	5 B A	5 U A	5 U A	5 U A	5 U A
1887BR	02/07/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
1887BR	05/03/89	2	57 R	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
2087BR	10/26/87	4	5 U	NR	NR	NR	NR	NR	NR
2087BR	10/26/87	4	5U	5U	1. J	5U	5U	5U	5U
2087BR	03/03/88	1	70	5 U	5 U	5 U	5 U	5 U	5 U
2087BR	05/09/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2087BR	08/11/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2087BR	11/08/88	4	3 J	5 U	5 U	5 U	5 U	5 U	5 U
2087BR	02/07/89	1	3 J A	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
2087BR	05/03/89	2	370E R	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
2287BR	03/07/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2287BR	05/02/88	2	7	5 U	5 U	5 U	5 U	5 U	5 U
2287BR	08/10/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2287BR	11/09/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2287BR	02/09/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
2287BR	05/03/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
2887BR	03/14/88	1	4 J	5 U	5 U	5 U	5 U	5 U	5 U
2887BR	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2887BR	08/22/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
2887BR	11/16/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
2887BR	02/20/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
2887BR	05/08/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
3087BR	01/22/88	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3087BR	03/02/88	1	5	5 U	5 U	5 U	5 U	5 U	5 U
3087BR	04/21/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3087BR	08/08/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3087BR	08/09/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3087BR	10/26/88	4	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
3087BR	10/27/88	4	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
3087BR	02/01/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
3087BR	04/24/89	2	5 U V	5 U V	6 U A	5 U V	5 U V	5 U V	5 U V

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J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
3187BR	10/28/87	4	NR	NR	NR	NR	NR	NR	NR	5 U	NR
3187BR	10/28/87	4	10U	10U	10U	10U	13. B	37. B	5U	5U	5U
3187BR	03/10/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3187BR	05/12/88	2	10 U	10 U	10 U	10 U	5 U	10	5 U	5 U	5 U
3187BR	08/25/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
3187BR	11/22/88	4	10 U R	10 U R	10 U V	10 U R	4 JB A	10 U V	5 U R	5 U V	5 U V
3187BR	02/22/89	1	10 U V	10 U V	10 U V	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V
3187BR	05/10/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
3487BR	03/09/88	1	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3487BR	05/12/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3487BR	05/12/88	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
3487BR	08/24/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
3487BR	09/28/88	3	10 U V	10 U V	10 U V	10 U R	5 U V	10 U V	5 U V	5 U V	5 U V
3487BR	11/16/88	4	10 U R	10 U V	10 U V	10 U R	3 JB A	10 U A	5 U V	5 U V	5 U V
3487BR	02/20/89	1	10 U V	10 U V	10 U V	10 U V	5 U A	10 U V	5 U V	5 U V	5 U V
3487BR	05/10/89	2	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
4587BR	11/23/87	4	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
4587BR	11/23/87	4	50 U	50 U	50 U	50 U	23 JB	210 B	25 U	25 U	25 U
4587BR	02/25/88	1	10 U	10 U	10 U	10 U	12	10 U	5 U	5 U	5 U
4587BR	04/18/88	2	10 U	10 U	10 U	10 U	5 U	5 J	5 U	5 U	5 U
4587BR	07/21/88	3	10 U R	10 U R	10 U R	10 U R	5 U R	10 U R	5 U R	5 U R	5 U R
4587BR	10/17/88	4	10 U R	10 U V	10 U V	10 U R	5 U V	10 U V	5 U V	5 U V	5 U V
4587BR	01/23/89	1	10 U R	10 U V	10 U R	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
4587BR	04/19/89	2	10 U V	10 U V	10 U V	10 U V	5 U A	10 U R	5 U V	5 U V	5 U V
4587BR	06/13/89	2	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
3187BR	10/28/87	4	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
3187BR	10/28/87	4	NR	5U	5U	10U	5U	5U	10U	5U	5U
3187BR	03/10/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3187BR	05/12/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3187BR	08/25/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
3187BR	11/22/88	4	5 U V	2 JB A	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
3187BR	02/22/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3187BR	05/10/89	2	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3487BR	03/09/88	1	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3487BR	05/12/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3487BR	05/12/88	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
3487BR	08/24/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
3487BR	09/28/88	3	5 U V	5 U A	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
3487BR	11/16/88	4	5 U V	2 JB A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3487BR	02/20/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
3487BR	05/10/89	2	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
4587BR	11/23/87	4	5 U	18	5 U	10 U	5 U	5 U	10 U	5 U	5 U
4587BR	11/23/87	4	NR	37 B	25 U	50 U	25 U	25 U	50 U	25 U	25 U
4587BR	02/25/88	1	5 U	6	5 U	10 U	5 U	5 U	10 U	5 U	5 U
4587BR	04/18/88	2	5 U	3 J	5 U	10 U	5 U	5 U	10 U	5 U	5 U
4587BR	07/21/88	3	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
4587BR	10/17/88	4	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
4587BR	01/23/89	1	5 U V	5 U A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
4587BR	04/19/89	2	5 U V	5 U A	5 U A	10 U A	5 U V	5 U A	10 U R	5 U V	5 U V
4587BR	06/13/89	2	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
3187BR	10/28/87	4	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
3187BR	10/28/87	4	5U	3. J	5U	5U	5U	5U	5U	10U	10U
3187BR	03/10/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3187BR	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3187BR	08/25/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3187BR	11/22/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3187BR	02/22/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3187BR	05/10/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3487BR	03/09/88	1	5 U	3 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3487BR	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3487BR	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
3487BR	08/24/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
3487BR	09/28/88	3	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
3487BR	11/16/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3487BR	02/20/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
3487BR	05/10/89	2	5 U V	10 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4587BR	11/23/87	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4587BR	11/23/87	4	25 U	25 U	25 U	25 U	25 U	25 U	25 U	50 U	50 U
4587BR	02/25/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4587BR	04/18/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4587BR	07/21/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
4587BR	10/17/88	4	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4587BR	01/23/89	1	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4587BR	04/19/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
4587BR	06/13/89	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U

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Operable Unit No. 2

Volatile Organic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
3187BR	10/28/87	4	5 U	NR	NR	NR	NR	NR	NR
3187BR	10/28/87	4	5U	5U	1. J	5U	5U	5U	5U
3187BR	03/10/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187BR	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3187BR	08/25/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3187BR	11/22/88	4	5 U V	5 U V	3 JB A	5 U V	5 U V	5 U V	5 U V
3187BR	02/22/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
3187BR	05/10/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
3487BR	03/09/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3487BR	05/12/88	2	54	5 U	5 U	5 U	5 U	5 U	5 U
3487BR	05/12/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3487BR	08/24/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
3487BR	09/28/88	3	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
3487BR	11/16/88	4	5 U V	5 U V	5 JB A	5 U V	5 U V	5 U V	5 U V
3487BR	02/20/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
3487BR	05/10/89	2	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
4587BR	11/23/87	4	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4587BR	11/23/87	4	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4587BR	02/25/88	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4587BR	04/18/88	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4587BR	07/21/88	3	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
4587BR	10/17/88	4	5 U V	5 U V	0.7 JB V	5 U V	5 U V	5 U V	5 U V
4587BR	01/23/89	1	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
4587BR	04/19/89	2	5 U V	5 U V	5 U A	5 U V	5 U V	5 U V	5 U V
4587BR	06/13/89	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U

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APPENDIX B-2

DISSOLVED METALS

GROUND-WATER SAMPLING RESULTS

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
3386	09/24/87	3	DRY								
3386	12/05/87	4	DRY								
3386	03/07/88	1	DRY								
3386	05/02/88	2	DRY								
3386	08/12/88	3	DRY								
3386	11/08/88	4	DRY								
3386	02/09/89	1	DRY								
3386	05/03/89	2	DRY								
3986	05/06/87	1	0.0290 U	0.0600 U	0.01 U	0.2274	0.005 U	0.005 U	120.5403	0.2 U	0.0100 U
3986	06/03/87	2	0.0384	0.06 U	0.01 U	0.2166	0.005 U	0.005 U	93.0783	0.2 U	0.0100 U
3986	07/24/87	3	0.0756	0.02 U	0.005 U	0.2411	0.005 U	0.0003 J	112.5738	0.02 U	0.0100 U
3986	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3986	12/12/87	4	0.0670	0.02 U	0.005 U	0.2244	0.05 U	0.001 U	99.7727	0.02 U	0.0100 U
3986	03/09/88	1	0.0290 U	0.02 U	0.005 U	0.2576	0.005 U	0.001 U	111.6517	0.02 U	0.0100 U
3986	05/04/88	2	0.0313	0.0340 U	0.005 U	0.2264	0.0010 U	0.0050 U	108.6039	0.02 U	0.0100 U
3986	08/19/88	3	0.0290 U	0.0340 U	0.005 U	0.2536	0.0010 U	0.0050 U	110.9536	0.020 U	0.0117
3986	11/10/88	4	0.0421	0.0360	0.005 U	0.2459	0.0010 U	0.0050 U	109.9309	NR	0.0100 U
3986	11/11/88	4	0.0846	0.0340 U	0.005 U	0.2511	0.0010 U	0.0050 U	112.0207	0.02 U	0.0100 U
3986	02/15/89	1	0.0687 J	0.050 U	0.001 U	0.2792	0.002 U	0.005 U	115.2673	0.005 U	0.009 U
3986	02/15/89	1	0.1226 J	0.050 U	.0014 J	0.2688	0.002 U	0.005 U	111.4549	0.005 U	0.009 U
3986	05/08/89	2	0.0338 J	0.0500 U	.001 U	0.2630	0.0020 U	0.0050 U	110.9209	.200 U	0.0090 U
3986	05/09/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	05/06/87	1	0.0290 U	0.0600 U	0.01 U	0.1802	0.005 U	0.005 U	130.3624	0.2 U	0.0100 U
4186	06/01/87	2	0.0290 U	0.06 U	0.01 U	0.1372	0.005 U	0.005 U	41.9511	0.2 U	0.0100 U
4186	07/20/87	3	0.0397	0.02 U	0.005 U	0.1832	0.005 U	0.001 U	111.9865	0.02 U	0.0100 U
4186	10/22/87	4	0.0679	0.006 J	0.005 U	0.2023	0.004 J	0.001 U	105.3990	0.02 U	0.0123
4186	10/22/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	12/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	03/10/88	1	0.0290 U	0.02 U	0.005 U	0.1973	0.005 U	0.001	104.4861	0.02 U	0.0100 U
4186	05/04/88	2	0.0516	0.0340 U	0.005 U	0.1985	0.0027	0.0050 U	115.0324	0.02 U	0.0100 U
4186	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	11/22/88	4	0.0692	0.0434	0.005 U	0.2334	0.0010 U	0.0050 U	129.1391	0.02 U	0.0110
4186	02/20/89	1	0.0776 J	0.050 U	0.001 U	0.2418	0.002 U	0.005 U	126.3723	0.005 U	0.0126
4186	05/10/89	2	0.0490 J	0.0500 U	.001 U	0.2493	0.0020 U	0.0050 U	125.1505	.200 U	0.0090 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
3386	09/24/87	3	DRY								
3386	12/05/87	4	DRY								
3386	03/07/88	1	DRY								
3386	05/02/88	2	DRY								
3386	08/12/88	3	DRY								
3386	11/08/88	4	DRY								
3386	02/09/89	1	DRY								
3386	05/03/89	2	DRY								
3986	05/06/87	1	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	11.8066	0.0067	0.0002 U	0.0220 U
3986	06/03/87	2	0.0220 U	0.0078	0.0274	0.005 U	NR	10.0903	0.0051 U	0.0002 U	0.0220 U
3986	07/24/87	3	0.0220 U	0.0094	0.0433	0.005 U	NR	11.0669	0.0084	0.005	0.0220 U
3986	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3986	12/12/87	4	0.0220 U	0.0216	0.0661	0.005 U	0.1 U	10.1957	0.0064	0.0002 U	0.0220 U
3986	03/09/88	1	0.0220 U	0.0063 U	0.0122	0.005 U	0.1 U	11.4966	0.0054	0.0002 U	0.0220 U
3986	05/04/88	2	0.0220 U	0.0188	0.0429	0.005 U	NR	11.6715	0.0051 U	0.0002 U	0.0220 U
3986	08/19/88	3	0.0220 U	0.0063 U	0.0312	NR	NR	11.5095	0.0051 U	0.0002 U	0.0220 U
3986	11/10/88	4	0.0220 U	0.0063 U	0.0683	NR	NR	11.2983	0.0051 U	0.0002 U	0.0220 U
3986	11/11/88	4	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	11.5045	0.0051 U	0.0002 U	0.0220 U
3986	02/15/89	1	0.029 U	0.004 U	0.0689 J	0.001 U	NR	12.7253	0.002 U	0.0002 U	0.027 U
3986	02/15/89	1	0.029 U	0.004 U	0.1801	0.001 U	NR	12.2016	0.0032 J	0.0002 U	0.027 U
3986	05/08/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	12.0390	0.0043 J	.0002 U	0.0270 U
3986	05/09/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	05/06/87	1	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	17.7762	0.2290	0.0002 U	0.0220 U
4186	06/01/87	2	0.0220 U	0.0077	0.5796	0.005 U	NR	16.0342	0.0051 U	0.0002 U	0.0220 U
4186	07/20/87	3	0.0220 U	0.0112	0.0112	0.005 U	NR	16.1562	0.0754	0.0002 U	0.0220 U
4186	10/22/87	4	0.0220 U	0.0103	0.0789	0.005 U	0.01 J	15.9402	0.0186	0.0002 U	0.0220 U
4186	10/22/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	12/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	03/10/88	1	0.0220 U	0.0063 U	0.0107	0.005 U	0.1 U	15.6787	0.0051 U	0.0002 U	0.0220 U
4186	05/04/88	2	0.0220 U	0.0211	0.0284	0.005 U	NR	17.1654	0.0051 U	0.0002 U	0.0220 U
4186	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	11/22/88	4	0.0220 U	0.0063 U	0.0551	0.005 U	NR	16.8428	0.0051 U	0.0002 U	0.0220 U
4186	02/20/89	1	0.029 U	0.0131 J	0.1968	.0026 J	NR	17.7895	0.0055 J	0.0002 U	0.027 U
4186	05/10/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	17.0629	0.0020 U	.0002 U	0.0270 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
3386	09/24/87	3	DRY								
3386	12/05/87	4	DRY								
3386	03/07/88	1	DRY								
3386	05/02/88	2	DRY								
3386	08/12/88	3	DRY								
3386	11/08/88	4	DRY								
3386	02/09/89	1	DRY								
3386	05/03/89	2	DRY								
3986	05/06/87	1	0.0370 U	5.0 U	0.0050 U	0.0076 U	15.8685	0.5293	0.01 U	NR	0.0240 U
3986	06/03/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	15.5111	0.4562	0.01 U	NR	0.0240 U
3986	07/24/87	3	0.0370 U	1.1	0.002 J	0.0076 U	16.2862	0.4936	0.01 U	NR	0.0289
3986	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3986	12/12/87	4	0.0370 U	1.2	0.005 U	0.0076 U	14.7377	0.4650	0.01 U	NR	0.0240 U
3986	03/09/88	1	0.0370 U	0.9	0.005 U	0.0076 U	16.2557	0.5017	0.01 U	NR	0.0258
3986	05/04/88	2	0.0370 U	1.0	0.005 U	0.0408	15.9310	0.4938	0.01 U	NR	0.0360 U
3986	08/19/88	3	0.0370 U	1.0	0.005 U	0.0076 U	18.1539	0.4820	0.010 U	NR	0.0360 U
3986	11/10/88	4	0.0370 U	0.8	0.005 U	0.0076 U	16.8616	0.5387	0.01 U	NR	0.0360 U
3986	11/11/88	4	0.0370 U	0.9	0.005 U	0.0076 U	18.7864	0.5477	0.01 U	NR	0.0360 U
3986	02/15/89	1	0.022 U	1.15 J	0.001 U	0.006 J	19.3578	0.5591	0.001 U	NR	0.034 U
3986	02/15/89	1	0.022 U	1.1 J	0.001 U	0.004 U	19.2897	0.5371	0.001 U	NR	0.034 U
3986	05/08/89	2	0.0220 U	1.28 J	.001 U	0.0040 U	18.8055	0.5335	.001 U	NR	0.0340 U
3986	05/09/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	05/06/87	1	0.0370 U	3.0	0.0050 U	0.0076 U	25.9055	0.6754	0.01 U	NR	0.0240 U
4186	06/01/87	2	0.0370 U	8.2	0.005 U	0.0076 U	18.0695	0.5429	0.01 U	NR	0.0240 U
4186	07/20/87	3	0.0613	3.1	0.005 U	0.0076 U	18.2521	0.5832	0.01 U	NR	0.0366
4186	10/22/87	4	0.0754	2.1	0.005 U	0.0076 U	19.4115	0.5712	0.01 U	NR	0.0240 U
4186	10/22/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	12/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	03/10/88	1	0.0370 U	1.9	0.005 U	0.0076 U	16.3165	0.5817	0.01 U	NR	0.0240 U
4186	05/04/88	2	0.0370 U	1.9	0.005 U	0.0295	16.6979	0.5893	0.01 U	NR	0.0360 U
4186	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4186	11/22/88	4	0.0370 U	1.2	0.005 U	0.0076 U	19.1148	0.6698	0.01 U	NR	0.0360 U
4186	02/20/89	1	0.022 U	1.85 J	0.001 U	0.004 U	21.4211	1.6596	0.001 U	NR	0.034 U
4186	05/10/89	2	0.0325 J	2.190 J	.001 U	0.0040 U	21.3037	0.6416	.001 U	NR	0.0340 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
3386	09/24/87	3	DRY
3386	12/05/87	4	DRY
3386	03/07/88	1	DRY
3386	05/02/88	2	DRY
3386	08/12/88	3	DRY
3386	11/08/88	4	DRY
3386	02/09/89	1	DRY
3386	05/03/89	2	DRY
3986	05/06/87	1	0.02 U
3986	06/03/87	2	0.0200 U
3986	07/24/87	3	0.0563
3986	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3986	12/12/87	4	0.0279
3986	03/09/88	1	0.0200 U
3986	05/04/88	2	0.0262
3986	08/19/88	3	0.0241
3986	11/10/88	4	0.0436
3986	11/11/88	4	0.0245
3986	02/15/89	1	0.0412
3986	02/15/89	1	0.0431
3986	05/08/89	2	0.0080 U
3986	05/09/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4186	05/06/87	1	0.02 U
4186	06/01/87	2	0.0200 U
4186	07/20/87	3	0.0200 U
4186	10/22/87	4	0.0786
4186	10/22/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4186	12/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4186	03/10/88	1	0.0200 U
4186	05/04/88	2	0.0377
4186	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4186	11/22/88	4	0.0555
4186	02/20/89	1	0.0565
4186	05/10/89	2	0.0080 U

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ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
4286	03/12/87	1	2.6303	0.0600 U	0.01 U	0.3254	0.005 U	0.005 U	164.5958	0.2 U	0.0100 U
4286	05/26/87	2	0.0290 U	0.06 U	0.01 U	0.1893	0.005 U	0.005 U	145.0887	0.2 U	0.0100 U
4286	07/23/87	3	0.5356	0.02 U	0.005 U	0.2371	0.005 U	0.0004 J	130.8069	0.02 U	0.0100 U
4286	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4286	10/14/87	4	0.0385	0.02 U	0.005 U	0.2195	0.001 J	0.001 U	123.4732	0.02 U	0.0201
4286	03/03/88	1	0.0290 U	0.02 U	0.005 U	0.2023	0.005 U	0.001 U	126.4858	0.020 U	0.0100 U
4286	05/04/88	2	0.0503	0.0340 U	0.005 U	0.1849	0.0010 U	0.0050 U	121.5535	0.02 U	0.0100 U
4286	08/25/88	3	0.0290 U	0.0340 U	0.005 U	0.2003	0.0010 U	0.0050 U	114.3637	0.020 U	0.0100 U
4286	11/17/88	4	0.0290 U	0.0340 U	0.005 U	0.2084	0.0010 U	0.0050 U	138.1292	0.02 U	0.0100 U
4286	11/18/88	4	0.0498	0.0369	0.005 U	0.2042	0.0010 U	0.0050 U	134.4628	0.02 U	0.0100 U
4286	02/20/89	1	0.1024 J	0.050 U	0.001 U	0.2517	0.002 U	0.005 U	137.1833	0.005 U	0.0149
4286	05/08/89	2	0.0259 B	0.0500 U	.001 U	0.2153	0.0020 U	0.0050 U	152.5537	.200 U	0.0090 U
4386	03/11/87	1	0.0290 U	0.0600 U	0.01 U	0.0994	0.005 U	0.005 U	90.8264	0.2 U	0.0100 U
4386	06/03/87	2	0.0290 U	0.06 U	0.01 U	0.1065	0.005 U	0.005 U	68.0295	0.2 U	0.0100 U
4386	07/28/87	3	0.0412	0.02 U	0.005 U	0.1602	0.005 U	0.0004 J	94.7105	0.02 U	0.0100 U
4386	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4386	10/19/87	4	DRY								
4386	03/02/88	1	DRY								
4386	04/29/88	2	DRY								
4386	08/10/88	3	DRY								
4386	11/03/88	4	DRY								
4386	02/07/89	1	DRY								
4386	05/03/89	2	DRY								
1087	10/12/87	4	DRY								
1087	02/25/88	1	DRY								
1087	04/19/88	2	DRY								
1087	08/09/88	3	DRY								
1087	10/26/88	4	DRY								
1087	02/07/89	1	DRY								
1087	05/02/89	2	DRY								
1587	09/10/87	3	0.0290 U	0.02 U	0.005 U	0.2255	0.005 U	0.001 U	127.6927	0.02 U	0.0100 U
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	10/07/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	10/08/87	4	0.0290 U	NR	NR	0.1920	NR	NR	134.0580	NR	0.0100 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
4286	03/12/87	1	0.0220 U	0.0070	2.1119	0.005 U	NR	14.9256	0.3424	0.0002 U	0.0220 U
4286	05/26/87	2	0.0220 U	0.0063 U	0.0109	0.013	NR	13.0698	0.0391	0.0002 U	0.0220 U
4286	07/23/87	3	0.0220 U	0.0141	0.3656	0.005	NR	10.9716	0.0203	0.013	0.0220 U
4286	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4286	10/14/87	4	0.0220 U	0.0063 U	0.0384	0.005 U	0.01 J	10.7988	0.0089	0.0004	0.0220 U
4286	03/03/88	1	0.0220 U	0.0063 U	0.0195	0.005 U	0.1 U	10.8989	0.0051 U	0.0002 U	0.0220 U
4286	05/04/88	2	0.0220 U	0.0593	0.0275	0.005 U	NR	10.4139	0.0051 U	0.0002 U	0.0220 U
4286	08/25/88	3	0.0220 U	0.0063 U	0.0166	0.005 U	NR	10.2137	0.0133	0.0002 U	0.0220 U
4286	11/17/88	4	0.0220 U	0.0063 U	0.0198	0.005 U	NR	11.7878	0.0143	0.0002 U	0.0220 U
4286	11/18/88	4	0.0220 U	0.0063 U	0.0183	0.005 U	NR	11.4894	0.0136	0.0002 U	0.0220 U
4286	02/20/89	1	0.029 U	0.004 U	0.2002	0.001 U	NR	12.7926	0.2628	0.0002 U	0.0605
4286	05/08/89	2	0.0290 U	0.0533	0.0350 U	.001 U	NR	13.4631	0.0052 J	.0002 U	0.0270 U
4386	03/11/87	1	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	10.5382	0.0051 U	0.0002 U	0.0220 U
4386	06/03/87	2	0.0220 U	0.0063 U	0.0126	0.005 U	NR	6.7585	0.0051 U	0.0002 U	0.0238
4386	07/28/87	3	0.0220 U	0.0063 U	0.0159	0.005 U	NR	7.9498	0.0054	0.0002 U	0.0220 U
4386	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4386	10/19/87	4	DRY								
4386	03/02/88	1	DRY								
4386	04/29/88	2	DRY								
4386	08/10/88	3	DRY								
4386	11/03/88	4	DRY								
4386	02/07/89	1	DRY								
4386	05/03/89	2	DRY								
1087	10/12/87	4	DRY								
1087	02/25/88	1	DRY								
1087	04/19/88	2	DRY								
1087	08/09/88	3	DRY								
1087	10/26/88	4	DRY								
1087	02/07/89	1	DRY								
1087	05/02/89	2	DRY								
1587	09/10/87	3	0.0220 U	0.0063 U	0.0069 U	0.005 U	0.01 J	9.8934	0.3044	0.0002 U	0.0220 U
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	10/07/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	10/08/87	4	0.0220 U	0.0088	0.0069 U	NR	NR	10.4154	0.1393	NR	0.0220 U

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Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
4286	03/12/87	1	0.1005	5.0 U	0.0050 U	0.0076 U	17.9722	0.5742	0.01 U	NR	0.240 U
4286	05/26/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	14.4499	0.5034 U	0.01 U	NR	0.0240 U
4286	07/23/87	3	0.0375	1.2	0.005 U	0.0076 U	15.3966	0.4566	0.01 U	NR	0.0240 U
4286	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4286	10/14/87	4	0.0370 U	1.4	0.005 U	0.0076 U	15.3125	0.4461	0.01 U	NR	0.0393
4286	03/03/88	1	0.0370 U	0.8	0.005 U	0.0076 U	14.7025	0.4405	0.010 U	NR	0.0240 U
4286	05/04/88	2	0.0370 U	0.9	0.005 U	0.1280	14.7554	0.4071	0.01 U	NR	0.0360 U
4286	08/25/88	3	0.0377	1.2	0.005 U	0.0076 U	17.8630	0.4498	0.010 U	NR	0.0360 U
4286	11/17/88	4	0.0721	0.7	0.005 U	0.0076 U	18.1312	0.5120	0.01 U	NR	0.0360 U
4286	11/18/88	4	0.0713	0.7	0.005 U	0.0076 U	16.1646	0.5014	0.01 U	NR	0.0360 U
4286	02/20/89	1	0.6822	1.15 J	0.001 U	0.004 U	16.9611	0.5138	0.001 U	NR	0.034 U
4286	05/08/89	2	0.0220 U	1.52 J	.001 U	0.0040 U	17.6872	0.5487	.001 U	NR	0.0340 U
4386	03/11/87	1	0.0370 U	5.0 U	0.0050 U	0.0076 U	13.5408	0.4313	0.01 U	NR	0.0240 U
4386	06/03/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	8.1258	0.3216	0.01 U	NR	0.0240 U
4386	07/28/87	3	0.0370 U	1.3	0.005 U	0.0076 U	14.1637	0.3888	0.01 U	NR	0.0240 U
4386	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4386	10/19/87	4	DRY								
4386	03/02/88	1	DRY								
4386	04/29/88	2	DRY								
4386	08/10/88	3	DRY								
4386	11/03/88	4	DRY								
4386	02/07/89	1	DRY								
4386	05/03/89	2	DRY								
1087	10/12/87	4	DRY								
1087	02/25/88	1	DRY								
1087	04/19/88	2	DRY								
1087	08/09/88	3	DRY								
1087	10/26/88	4	DRY								
1087	02/07/89	1	DRY								
1087	05/02/89	2	DRY								
1587	09/10/87	3	0.0370 U	1.49	0.005 U	0.0076 U	10.0809	0.4483	0.01 U	NR	0.0240 U
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	10/07/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	10/08/87	4	0.0370 U	NR	NR	0.0076 U	7.6207	0.4800	NR	NR	0.0240 U

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ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
4286	03/12/87	1	0.03
4286	05/26/87	2	0.0200 U
4286	07/23/87	3	0.0200 U
4286	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4286	10/14/87	4	0.0257
4286	03/03/88	1	0.0200 U
4286	05/04/88	2	0.0559
4286	08/25/88	3	0.0283
4286	11/17/88	4	0.0200 U
4286	11/18/88	4	0.0200 U
4286	02/20/89	1	0.0384
4286	05/08/89	2	0.0209
4386	03/11/87	1	0.04
4386	06/03/87	2	0.0200 U
4386	07/28/87	3	0.0219
4386	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4386	10/19/87	4	DRY
4386	03/02/88	1	DRY
4386	04/29/88	2	DRY
4386	08/10/88	3	DRY
4386	11/03/88	4	DRY
4386	02/07/89	1	DRY
4386	05/03/89	2	DRY
1087	10/12/87	4	DRY
1087	02/25/88	1	DRY
1087	04/19/88	2	DRY
1087	08/09/88	3	DRY
1087	10/26/88	4	DRY
1087	02/07/89	1	DRY
1087	05/02/89	2	DRY
1587	09/10/87	3	0.0200 U
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1587	10/07/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1587	10/08/87	4	0.0200 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
1587	10/08/87	4	0.0358	0.02 U	0.005 U	0.1917	0.005 U	0.001 U	133.3401	0.02 U	0.0100 U
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	02/29/88	1	0.0449	0.019	0.005 U	0.1807	0.003 J	0.001 U	117.2322	0.02 U	0.0380
1587	04/20/88	2	0.0499	0.0340 U	0.005 U	0.1561	0.0010 U	0.0050 U	125.8376	0.02 U	0.0100 U
1587	08/09/88	3	DRY								
1587	10/31/88	4	DRY								
1587	02/07/89	1	DRY								
1587	05/01/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	11/06/87	4	0.0306	NR	NR	0.1587	NR	NR	93.1877	NR	0.0109
1787	03/03/88	1	0.0386	0.02 U	0.005 U	0.1539	0.005 U	0.001 U	112.4856	0.020 U	0.0100 U
1787	04/28/88	2	0.0315	0.0340 U	0.005 U	0.1113	0.0010 U	0.0050 U	100.2637	0.02 U	0.0100 U
1787	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	08/15/88	3	0.0290 U	0.0340 U	0.005 U	0.1194	0.0010 U	0.0050 U	108.9453	0.02 U	0.0100 U
1787	11/04/88	4	0.0348	0.0340 U	0.005 U	0.1392	0.0010 U	0.0050 U	116.4230	0.02 U	0.0100 U
1787	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	02/07/89	1	0.015 U	0.050 U	0.001 U	0.1175 J	0.002 U	0.005 U	103.1198	0.005 U	0.009 U
1787	05/03/89	2	0.0212 J	0.0500 U	0.001 U	0.1224 J	0.0020 U	0.0050 U	105.4508	0.200 U	0.0090 U
1987	11/19/87	4	DRY								
1987	03/03/88	1	DRY								
1987	04/28/88	2	DRY								
1987	08/11/88	3	DRY								
1987	11/07/88	4	DRY								
1987	02/09/89	1	DRY								
1987	05/03/89	2	DRY								
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2487	03/03/88	1	DRY								
2487	05/04/88	2	DRY								
2487	08/22/88	3	DRY								
2487	11/17/88	4	DRY								
2487	02/15/89	1	DRY								
2487	05/09/89	2	DRY								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
1587	10/08/87	4	0.0220 U	0.0087	0.0069 U	0.005 U	0.01 J	10.5314	0.1396	0.0002 U	0.0220 U
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	02/29/88	1	0.0220 U	0.0063 U	0.0285	0.005 U	0.1 U	11.1265	0.0394	0.0002 U	0.0220 U
1587	04/20/88	2	0.0220 U	0.0115	0.0487	0.005 U	0.1 U	10.5472	0.0051 U	0.0002 U	0.0220 U
1587	08/09/88	3	DRY								
1587	10/31/88	4	DRY								
1587	02/07/89	1	DRY								
1587	05/01/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	11/06/87	4	0.0220 U	0.4235	0.0523	NR	NR	13.3333	1.2694	NR	0.0220 U
1787	03/03/88	1	0.0220 U	0.4122	0.0229	0.005 U	0.1 U	12.7983	0.1831	0.0002 U	0.0220 U
1787	04/28/88	2	0.0220 U	0.0243	0.0120	0.005 U	0.1 U	11.0176	0.1274	0.0002 U	0.0220 U
1787	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	08/15/88	3	0.0220 U	0.0491	0.0227	0.004J*	NR	10.0232	0.0979	0.0002 U	0.0220 U
1787	11/04/88	4	0.0220 U	0.0311	0.0115	0.005 U	NR	10.1223	0.0424	0.0002 U	0.0220 U
1787	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	02/07/89	1	0.029 U	0.0322	0.0352 J	0.001 U	NR	9.4357	0.0288	0.0002 U	0.027 U
1787	05/03/89	2	0.0290 U	0.0161 J	0.0350 U	0.001 U	NR	9.4895	0.0025 J	.0002 U	0.0270 U
1987	11/19/87	4	DRY								
1987	03/03/88	1	DRY								
1987	04/28/88	2	DRY								
1987	08/11/88	3	DRY								
1987	11/07/88	4	DRY								
1987	02/09/89	1	DRY								
1987	05/03/89	2	DRY								
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2487	03/03/88	1	DRY								
2487	05/04/88	2	DRY								
2487	08/22/88	3	DRY								
2487	11/17/88	4	DRY								
2487	02/15/89	1	DRY								
2487	05/09/89	2	DRY								

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
1587	10/08/87	4	0.0370 U	1.49	0.005 U	0.0076 U	9.3217	0.4795	0.01 U	NR	0.0240 U
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1587	02/29/88	1	0.0370 U	0.8	0.005 U	0.0424	11.9562	0.4859	0.01 U	NR	0.0240 U
1587	04/20/88	2	0.0370 U	0.7	0.005 U	0.0076 U	8.5874	0.4283	0.01 U	NR	0.0360 U
1587	08/09/88	3	DRY								
1587	10/31/88	4	DRY								
1587	02/07/89	1	DRY								
1587	05/01/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	11/06/87	4	0.6874	NR	NR	0.0076 U	28.5863	0.5982	NR	NR	0.0240 U
1787	03/03/88	1	0.5210	7.0	0.005 U	0.0076 U	22.3610	0.5903	0.010 U	NR	0.0240 U
1787	04/28/88	2	0.2815	5.2	0.005 U	0.0076 U	17.8911	0.4885	0.01 U	NR	0.0360 U
1787	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	08/15/88	3	0.2888	3.9	0.005 U	0.0076 U	24.3427	0.4557	0.01 U	NR	0.0360 U
1787	11/04/88	4	0.0767	3.4	0.005 U	0.0076 U	24.3438	0.5284	0.01 U	NR	0.0360 U
1787	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1787	02/07/89	1	0.0536	2.850 J	0.001 U	0.004 U	26.6036	0.4518	0.001 U	NR	0.034 U
1787	05/03/89	2	0.0466	2.64 J	0.001 U	0.0040 U	16.4900	0.4517	0.001 U	NR	0.0340 U
1987	11/19/87	4	DRY								
1987	03/03/88	1	DRY								
1987	04/28/88	2	DRY								
1987	08/11/88	3	DRY								
1987	11/07/88	4	DRY								
1987	02/09/89	1	DRY								
1987	05/03/89	2	DRY								
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2487	03/03/88	1	DRY								
2487	05/04/88	2	DRY								
2487	08/22/88	3	DRY								
2487	11/17/88	4	DRY								
2487	02/15/89	1	DRY								
2487	05/09/89	2	DRY								

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
1587	10/08/87	4	0.0200 U
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1587	02/29/88	1	0.0361
1587	04/20/88	2	0.0712
1587	08/09/88	3	DRY
1587	10/31/88	4	DRY
1587	02/07/89	1	DRY
1587	05/01/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1787	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1787	11/06/87	4	2.5552
1787	03/03/88	1	1.5316
1787	04/28/88	2	0.1802
1787	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1787	08/15/88	3	0.1400
1787	11/04/88	4	0.1056
1787	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1787	02/07/89	1	0.0579
1787	05/03/89	2	0.0267
1987	11/19/87	4	DRY
1987	03/03/88	1	DRY
1987	04/28/88	2	DRY
1987	08/11/88	3	DRY
1987	11/07/88	4	DRY
1987	02/09/89	1	DRY
1987	05/03/89	2	DRY
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2487	03/03/88	1	DRY
2487	05/04/88	2	DRY
2487	08/22/88	3	DRY
2487	11/17/88	4	DRY
2487	02/15/89	1	DRY
2487	05/09/89	2	DRY

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
2687	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2687	11/20/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2687	03/09/88	1	DRY								
2687	05/11/88	2	DRY								
2687	08/18/88	3	DRY								
2687	11/17/88	4	DRY								
2687	02/22/89	1	DRY								
2687	05/09/89	2	DRY								
2787	10/26/87	4	DRY								
2787	03/09/88	1	DRY								
2787	05/11/88	2	DRY								
2787	08/23/88	3	0.0290 U	0.0340 U	0.005 U	0.1105	0.0010 U	0.0050 U	86.4268	0.020 U	0.0100 U
2787	08/23/88	3	0.0522	0.0340 U	0.005 U	0.1117	0.0010 U	0.0050 U	85.0476	0.020 U	0.0100 U
2787	11/17/88	4	0.0524	0.0340 U	0.005 U	0.1160	0.0010 U	0.0050 U	92.1867	0.02 U	0.0100 U
2787	02/20/89	1	DRY								
2787	05/10/89	2	0.0233 J	0.0500 U	.001 U	0.1053 J	0.0020 U	0.0050 U	89.9515	.200 U	0.0090 U
3287	10/26/87	4	0.0349	NR	NR	0.1902	NR	NR	97.7697	NR	0.0417
3287	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3287	03/09/88	1	0.0290 U	0.014	0.005 U	0.1972	0.005 U	0.001 U	114.4551	0.02 U	0.0100 U
3287	05/12/88	2	0.0302	0.0340 U	0.005 U	0.1074	0.0010 U	0.0050 U	119.8149	0.02 U	0.0100 U
3287	08/23/88	3	0.0290 U	0.0340 U	0.005 U	0.1612	0.0010 U	0.0050 U	115.3676	0.020 U	0.0100 U
3287	11/17/88	4	0.0359	0.0340 U	0.005 U	0.1867	0.0010 U	0.0050 U	129.3694	0.02 U	0.0100 U
3287	02/22/89	1	0.0199 J	0.0515 J	0.001 U	0.2163	0.002 U	0.005 U	112.9789	0.005 U	0.0126
3287	05/09/89	2	DRY								
3387	11/20/87	4	DRY								
3387	03/09/88	1	DRY								
3387	05/11/88	2	DRY								
3387	08/24/88	3	DRY								
3387	11/17/88	4	DRY								
3387	02/15/89	1	DRY								
3387	05/09/89	2	DRY								
3587	11/20/87	4	DRY								
3587	03/09/88	1	DRY								

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
2687	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2687	11/20/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2687	03/09/88	1	DRY								
2687	05/11/88	2	DRY								
2687	08/18/88	3	DRY								
2687	11/17/88	4	DRY								
2687	02/22/89	1	DRY								
2687	05/09/89	2	DRY								
2787	10/26/87	4	DRY								
2787	03/09/88	1	DRY								
2787	05/11/88	2	DRY								
2787	08/23/88	3	0.0220 U	0.0073	0.0179	0.005* U	NR	14.6548	0.0051 U	0.0002 U	0.0220 U
2787	08/23/88	3	0.0220 U	0.0076	0.0216	0.005 U	NR	15.0260	0.0051 U	0.0002 U	0.0220 U
2787	11/17/88	4	0.0220 U	0.0063 U	0.0491	0.005 U	NR	14.0185	0.0091	0.0002 U	0.0220 U
2787	02/20/89	1	DRY								
2787	05/10/89	2	0.0290 U	0.0108 J	0.0350 U	.001 U	NR	15.6679	0.0062 J	.0002 U	0.0270 U
3287	10/26/87	4	0.0220 U	0.0063 U	0.0945	NR	NR	15.4193	0.6198	NR	0.0220 U
3287	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3287	03/09/88	1	0.0220 U	0.2227	0.0106	0.005 U	0.1 U	16.0040	0.4679	0.0002 U	0.0220 U
3287	05/12/88	2	0.0220 U	0.0621	0.0561	0.005 U	NR	19.4299	0.1821	0.0002 U	0.0220 U
3287	08/23/88	3	0.0220 U	0.0100	0.0467	0.005* U	NR	14.4738	0.0316	0.0002 U	0.0220 U
3287	11/17/88	4	0.0220 U	0.0063 U	0.0283	0.005 U	NR	15.0660	0.0199	0.0002 U	0.0220 U
3287	02/22/89	1	0.029 U	0.0059 J	0.0447 J	0.0026 J	NR	14.0302	0.0038 J	0.0002 U	0.027 U
3287	05/09/89	2	DRY								
3387	11/20/87	4	DRY								
3387	03/09/88	1	DRY								
3387	05/11/88	2	DRY								
3387	08/24/88	3	DRY								
3387	11/17/88	4	DRY								
3387	02/15/89	1	DRY								
3387	05/09/89	2	DRY								
3587	11/20/87	4	DRY								
3587	03/09/88	1	DRY								

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Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
2687	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2687	11/20/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2687	03/09/88	1	DRY								
2687	05/11/88	2	DRY								
2687	08/18/88	3	DRY								
2687	11/17/88	4	DRY								
2687	02/22/89	1	DRY								
2687	05/09/89	2	DRY								
2787	10/26/87	4	DRY								
2787	03/09/88	1	DRY								
2787	05/11/88	2	DRY								
2787	08/23/88	3	0.0370 U	3.9	0.005 U	0.0076 U	28.0970	0.4914	0.010 U	NR	0.0360 U
2787	08/23/88	3	0.0370 U	4.0	0.005 U	0.0076 U	27.5836	0.4937	0.010 U	NR	0.0360 U
2787	11/17/88	4	0.0370 U	2.6	0.005 U	0.0095	27.3135	0.5492	0.01 U	NR	0.0360 U
2787	02/20/89	1	DRY								
2787	05/10/89	2	0.0220 U	4.210 J	.001 U	0.0040 U	30.1146	0.5770	.001 U	NR	0.0340 U
3287	10/26/87	4	0.0463	NR	NR	0.0076 U	24.5042	0.5598	NR	NR	0.0240 U
3287	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3287	03/09/88	1	0.3783	3.2	0.005 U	0.0076 U	25.0755	0.5935	0.01 U	NR	0.0240 U
3287	05/12/88	2	0.0584	3.7	0.005 U	0.0076 U	31.8007	0.5876	0.01 U	NR	0.0360 U
3287	08/23/88	3	0.0370 U	2.6	0.005 U	0.0076 U	25.5758	0.5098	0.010 U	NR	0.0360 U
3287	11/17/88	4	0.0370 U	1.4	0.005 U	0.0076 U	26.0447	0.6276	0.01 U	NR	0.0360 U
3287	02/22/89	1	0.022 U	1.75 J	0.001 U	0.004 U	28.8088	0.549	0.001 U	NR	0.034 U
3287	05/09/89	2	DRY								
3387	11/20/87	4	DRY								
3387	03/09/88	1	DRY								
3387	05/11/88	2	DRY								
3387	08/24/88	3	DRY								
3387	11/17/88	4	DRY								
3387	02/15/89	1	DRY								
3387	05/09/89	2	DRY								
3587	11/20/87	4	DRY								
3587	03/09/88	1	DRY								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
2687	11/19/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2687	11/20/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2687	03/09/88	1	DRY
2687	05/11/88	2	DRY
2687	08/18/88	3	DRY
2687	11/17/88	4	DRY
2687	02/22/89	1	DRY
2687	05/09/89	2	DRY
2787	10/26/87	4	DRY
2787	03/09/88	1	DRY
2787	05/11/88	2	DRY
2787	08/23/88	3	0.0397
2787	08/23/88	3	0.0200 U
2787	11/17/88	4	0.0256
2787	02/20/89	1	DRY
2787	05/10/89	2	0.0080 U
3287	10/26/87	4	0.0200 U
3287	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3287	03/09/88	1	0.9800
3287	05/12/88	2	0.1173
3287	08/23/88	3	0.0502
3287	11/17/88	4	0.0220
3287	02/22/89	1	0.0744
3287	05/09/89	2	DRY
3387	11/20/87	4	DRY
3387	03/09/88	1	DRY
3387	05/11/88	2	DRY
3387	08/24/88	3	DRY
3387	11/17/88	4	DRY
3387	02/15/89	1	DRY
3387	05/09/89	2	DRY
3587	11/20/87	4	DRY
3587	03/09/88	1	DRY

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
3587	05/04/88	2	DRY								
3587	08/18/88	3	DRY								
3587	11/17/88	4	DRY								
3587	02/15/89	1	DRY								
3587	05/09/89	2	DRY								

COLLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
6386	07/06/87	3	DRY								
6386	10/14/87	4	DRY								
6386	02/17/88	1	DRY								
6386	04/13/88	2	DRY								
6386	07/18/88	3	DRY								
6386	10/21/88	4	DRY								
6386	01/18/89	1	DRY								
6386	04/14/89	2	DRY								
6386	06/10/89	2	DRY								
6786	05/11/87	1	0.0434	0.06 U	0.0100 U	0.0909	0.005 U	0.0050 U	88.8143	0.2 U	0.0100 U
6786	06/01/87	2	0.0290 U	0.06 U	0.01 U	0.1412	0.005 U	0.005 U	85.1284	0.2 U	0.0100 U
6786	07/20/87	3	0.0379	0.02 U	0.005 U	0.0824	0.005 U	0.001 U	84.8549	0.02 U	0.0100 U
6786	10/22/87	4	DRY								
6786	03/09/88	1	DRY								
6786	05/04/88	2	DRY								
6786	11/17/88	4	DRY								
6786	02/22/89	1	DRY								
6786	05/09/89	2	DRY								
2987	10/28/87	4	0.0503	NR	NR	0.0686	NR	NR	288.2088	NR	0.0348
2987	10/28/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2987	02/29/88	1	0.0529	0.02 U	0.005 U	0.0631	0.005 U	0.001 U	355.1286	0.02 U	0.0227
2987	04/21/88	2	0.0493	0.0348	0.005 U	0.0486	0.0010 U	0.0050 U	341.3008	0.02 U	0.0100 U
2987	08/08/88	3	0.0290 U	0.1177	0.005 U	0.0385	0.0011	0.0050 U	269.8329	0.02 U	0.0100 U
2987	10/26/88	4	0.0898	0.1137	0.005 U	0.0497	0.0010 U	0.0050 U	281.1881	0.02 U	0.0134
2987	02/01/89	1	0.0389 J	0.050 U	0.001 U	0.0497	0.002 U	0.005 U	357.6543	0.005 U	0.0091 J
2987	04/24/89	2	0.0439 J	0.0500 U	.0010 U	0.0385 J	0.0020 U	0.0050 U	277.9992	.200 U	0.0090 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
3587	05/04/88	2	DRY								
3587	08/18/88	3	DRY								
3587	11/17/88	4	DRY								
3587	02/15/89	1	DRY								
3587	05/09/89	2	DRY								

COLLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
6386	07/06/87	3	DRY								
6386	10/14/87	4	DRY								
6386	02/17/88	1	DRY								
6386	04/13/88	2	DRY								
6386	07/18/88	3	DRY								
6386	10/21/88	4	DRY								
6386	01/18/89	1	DRY								
6386	04/14/89	2	DRY								
6386	06/10/89	2	DRY								
6786	05/11/87	1	0.0220 U	0.0091	0.0223	0.0050 U	NR	38.0920	0.0051 U	0.0002 U	0.0220 U
6786	06/01/87	2	0.0220 U	0.0063 U	0.0069 U	0.022	NR	33.2019	0.0051 U	0.0002 U	0.0220 U
6786	07/20/87	3	0.0220 U	0.0175	0.0531	0.005 U	NR	32.6420	0.0051 U	0.0002 U	0.0220 U
6786	10/22/87	4	DRY								
6786	03/09/88	1	DRY								
6786	05/04/88	2	DRY								
6786	11/17/88	4	DRY								
6786	02/22/89	1	DRY								
6786	05/09/89	2	DRY								
2987	10/28/87	4	0.0220 U	0.0088	0.0798	NR	NR	112.0688	0.3851	NR	0.0220 U
2987	10/28/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2987	02/29/88	1	0.0220 U	0.0994	0.0069 U	0.005 U	0.16	135.7172	0.3116	0.0002 U	0.0220 U
2987	04/21/88	2	0.0220 U	0.0224	0.0069 U	0.005 U	0.14	133.3178	0.4425	0.0002 U	0.0808
2987	08/08/88	3	0.0220 U	0.8355	0.0084	0.005 U	NR	98.9360	0.1322	0.0002 U	0.0329
2987	10/26/88	4	0.0220 U	0.0569	0.0166	0.005 U	NR	93.6233	0.0465	0.0002 U	0.0491
2987	02/01/89	1	0.029 U	0.0790	0.0350 U	0.001 U	NR	121.3266	0.1154	0.0002 U	0.027 U
2987	04/24/89	2	0.0290 U	0.0141 J	0.0350 U	.0010 U	NR	103.9901	0.0314	.0002 U	0.0282 J

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
3587	05/04/88	2	DRY								
3587	08/18/88	3	DRY								
3587	11/17/88	4	DRY								
3587	02/15/89	1	DRY								
3587	05/09/89	2	DRY								

COLLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
6386	07/06/87	3	DRY								
6386	10/14/87	4	DRY								
6386	02/17/88	1	DRY								
6386	04/13/88	2	DRY								
6386	07/18/88	3	DRY								
6386	10/21/88	4	DRY								
6386	01/18/89	1	DRY								
6386	04/14/89	2	DRY								
6386	06/10/89	2	DRY								
6786	05/11/87	1	0.0370 U	5.0 U	0.005 U	0.0076 U	91.2838	1.2075	0.0100 U	NR	0.0240 U
6786	06/01/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	80.9195	1.0895	0.01 U	NR	0.0240 U
6786	07/20/87	3	0.0370 U	0.8	0.003 J	0.0076 U	91.2942	1.0861	0.01 U	NR	0.0359
6786	10/22/87	4	DRY								
6786	03/09/88	1	DRY								
6786	05/04/88	2	DRY								
6786	11/17/88	4	DRY								
6786	02/22/89	1	DRY								
6786	05/09/89	2	DRY								
2987	10/28/87	4	0.0505	NR	NR	0.0076 U	360.1402	3.8208	NR	NR	0.0240 U
2987	10/28/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2987	02/29/88	1	0.4764	5.2	0.37	0.0076 U	395.3797	4.9549	0.01 U	NR	0.0240 U
2987	04/21/88	2	1.4097	4.1	0.026	0.0076 U	405.0172	4.4091	0.01 U	NR	0.0360 U
2987	08/08/88	3	1.1929	3.0	0.253	0.0076 U	348.9221	3.4270	0.01 U	NR	0.0360 U
2987	10/26/88	4	0.9695	4.5	NR	0.0076 U	362.3737	3.7936	0.01 U	NR	0.0360 U
2987	02/01/89	1	1.0215	2.950	0.450	0.0042 J	374.364	4.591	0.001 U	NR	0.034 U
2987	04/24/89	2	0.4082	2.820 J	.3884	0.0040 U	353.0342	3.9014	.001 U	NR	0.0340 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
3587	05/04/88	2	DRY
3587	08/18/88	3	DRY
3587	11/17/88	4	DRY
3587	02/15/89	1	DRY
3587	05/09/89	2	DRY

COLLUVIUM

6386	07/06/87	3	DRY
6386	10/14/87	4	DRY
6386	02/17/88	1	DRY
6386	04/13/88	2	DRY
6386	07/18/88	3	DRY
6386	10/21/88	4	DRY
6386	01/18/89	1	DRY
6386	04/14/89	2	DRY
6386	06/10/89	2	DRY
6786	05/11/87	1	0.02 U
6786	06/01/87	2	0.0677
6786	07/20/87	3	0.0200 U
6786	10/22/87	4	DRY
6786	03/09/88	1	DRY
6786	05/04/88	2	DRY
6786	11/17/88	4	DRY
6786	02/22/89	1	DRY
6786	05/09/89	2	DRY
2987	10/28/87	4	0.1800
2987	10/28/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2987	02/29/88	1	0.6236
2987	04/21/88	2	0.4604
2987	08/08/88	3	2.7735
2987	10/26/88	4	0.2858
2987	02/01/89	1	0.2208
2987	04/24/89	2	0.1101

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
4487	11/14/87	4	DRY								
4487	02/22/88	1	DRY								
4487	04/18/88	2	DRY								
4487	07/20/88	3	DRY								
4487	10/26/88	4	DRY								
4487	01/18/89	1	DRY								
4487	04/14/89	2	DRY								
4487	06/10/89	2	DRY								

VALLEY FILL ALLUVIUM

3586	03/17/87	1	0.0290 U	0.06 U	0.01 U	0.0610	0.005 U	0.005 U	135.3189	0.2 U	0.0100 U
3586	06/02/87	2	0.0290 U	0.06 U	0.01 U	0.0461	0.005 U	0.005 U	81.1221	0.2 U	0.0100 U
3586	07/28/87	3	0.1061	0.02 U	0.005 U	0.1152	0.005 U	0.0005 J	144.6914	0.02 U	0.0100 U
3586	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3586	10/16/87	4	0.0625	0.02 U	0.003 J	0.0871	0.002 J	0.001 U	130.6754	0.02 U	0.0266
3586	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3586	03/02/88	1	0.0486	0.02 U	0.004 J	0.0821	0.005 U	0.001 U	143.1915	0.020 U	0.0100 U
3586	05/02/88	2	0.0335	0.0340 U	0.005 U	0.0703	0.0010 U	0.0050 U	140.6056	0.02 U	0.0100 U
3586	08/10/88	3	0.0290 U	0.0483	0.005 U	0.0824	0.0010 U	0.0050 U	145.4237	0.02 U	0.0100 U
3586	11/04/88	4	0.0290 U	0.0518	0.003 J	0.0859	0.0010 U	0.0050 U	146.4198	0.02 U	0.0100 U
3586	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3586	02/09/89	1	0.0353 J	0.0500 U	.0035 J	0.0655 J	0.0020 U	0.0050 U	140.7788	0.005 U	0.0090 U
3586	02/09/89	1	0.0236 J	0.050 U	0.0037 J	0.0674 J	0.002 U	0.005 U	140.7996	0.005 U	0.009 U
3586	05/03/89	2	0.0429 J	0.0500 U	.0012 J	0.1166 J	0.0020 U	0.0050 U	143.4100	0.200 U	0.0090 U
3686	04/24/87	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	06/03/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	07/27/87	3	DRY								
3686	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	10/19/87	4	DRY								
3686	03/07/88	1	DRY								
3686	05/02/88	2	DRY								
3686	08/11/88	3	DRY								
3686	11/08/88	4	DRY								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
4487	11/14/87	4	DRY								
4487	02/22/88	1	DRY								
4487	04/18/88	2	DRY								
4487	07/20/88	3	DRY								
4487	10/26/88	4	DRY								
4487	01/18/89	1	DRY								
4487	04/14/89	2	DRY								
4487	06/10/89	2	DRY								

VALLEY FILL ALLUVIUM

3586	03/17/87	1	0.0220 U	0.0063 U	0.1039	0.0050 U	NR	30.6949	3.8078	0.0002 U	0.0220 U
3586	06/02/87	2	0.0220 U	0.0084	0.0206	0.005 U	NR	25.0285	0.4866	0.0002 U	0.0220 U
3586	07/28/87	3	0.0220 U	0.0097	0.1100	0.005 U	NR	29.8413	3.4848	0.0002 U	0.0220 U
3586	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3586	10/16/87	4	0.0220 U	0.0066	0.5175	0.003 J	0.1 U	29.1030	3.9109	0.0002 U	0.0220 U
3586	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3586	03/02/88	1	0.0220 U	0.0066	0.6891	0.005 U	0.1 U	29.3745	4.0113	0.0002 U	0.0220 U
3586	05/02/88	2	0.0220 U	0.0100	0.5147	0.005 U	NR	33.1548	3.9978	0.0002 U	0.022 U
3586	08/10/88	3	0.0220 U	0.0067	0.3156	0.005 U	NR	32.9570	4.1966	0.0002 U	0.0220 U
3586	11/04/88	4	0.0220 U	0.0063 U	0.8573	0.005 U	NR	31.7132	4.2350	0.0002 U	0.0220 U
3586	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS			-					
3586	02/09/89	1	0.0290 U	0.0106 J	0.2789	.0027 J	NR	33.3292	4.1879	0.0002 U	0.0270 U
3586	02/09/89	1	0.029 U	0.004 U	0.2343	0.0018 J	NR	33.2391	4.1895	0.0002 U	0.027 U
3586	05/03/89	2	0.0290 U	0.0040 U	0.3563	0.001 U	NR	33.7261	4.3699	.0002 U	0.0270 U
3686	04/24/87	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	06/03/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	07/27/87	3	DRY								
3686	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	10/19/87	4	DRY								
3686	03/07/88	1	DRY								
3686	05/02/88	2	DRY								
3686	08/11/88	3	DRY								
3686	11/08/88	4	DRY								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
4487	11/14/87	4	DRY								
4487	02/22/88	1	DRY								
4487	04/18/88	2	DRY								
4487	07/20/88	3	DRY								
4487	10/26/88	4	DRY								
4487	01/18/89	1	DRY								
4487	04/14/89	2	DRY								
4487	06/10/89	2	DRY								

VALLEY FILL ALLUVIUM

3586	03/17/87	1	0.0434	5.0 U	0.005 U	0.0076 U	207.7142	0.8188	0.01 U	NR	0.0240 U
3586	06/02/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	172.5748	0.6088	0.01 U	NR	0.0240 U
3586	07/28/87	3	0.0370 U	1.5	0.005 U	0.0076 U	210.0584	0.8092	0.01 U	NR	0.0241
3586	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3586	10/16/87	4	0.0370 U	0.84	0.005 U	0.0076 U	194.2592	0.7870	0.01 U	NR	0.0240 U
3586	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3586	03/02/88	1	0.0370 U	0.8	0.005 U	0.0076 U	183.9421	0.8311	0.010 U	NR	0.0240 U
3586	05/02/88	2	0.0370 U	0.5	0.005 U	0.0076 U	178.2991	0.8031	0.01 U	NR	0.0360 U
3586	08/10/88	3	0.0370 U	0.7	0.005 U	0.0076 U	196.2784	0.8015	0.01 U	NR	0.0360 U
3586	11/04/88	4	0.0370 U	0.5 U	0.005 U	0.0076 U	193.4550	0.8984	0.01 U	NR	0.0360 U
3586	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3586	02/09/89	1	0.0220 U	0.500 J	.0011 U	0.0043 J	188.9384	0.8463	0.001 U	NR	0.0340 U
3586	02/09/89	1	0.022 U	0.500 U	0.001 U	0.004 U	188.4233	0.8498	0.001 U	NR	0.034 U
3586	05/03/89	2	0.0323 J	0.97 J	0.001 U	0.0040 U	192.5824	0.8847	0.001 U	NR	0.0340 U
3686	04/24/87	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	06/03/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	07/27/87	3	DRY								
3686	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3686	10/19/87	4	DRY								
3686	03/07/88	1	DRY								
3686	05/02/88	2	DRY								
3686	08/11/88	3	DRY								
3686	11/08/88	4	DRY								

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
4487	11/14/87	4	DRY
4487	02/22/88	1	DRY
4487	04/18/88	2	DRY
4487	07/20/88	3	DRY
4487	10/26/88	4	DRY
4487	01/18/89	1	DRY
4487	04/14/89	2	DRY
4487	06/10/89	2	DRY

VALLEY FILL ALLUVIUM

3586	03/17/87	1	0.04
3586	06/02/87	2	0.0200 U
3586	07/28/87	3	0.0443
3586	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3586	10/16/87	4	0.0276
3586	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3586	03/02/88	1	0.0275
3586	05/02/88	2	0.0200 U
3586	08/10/88	3	0.0200 U
3586	11/04/88	4	0.0244
3586	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3586	02/09/89	1	0.0115 J
3586	02/09/89	1	0.0140 J
3586	05/03/89	2	0.0294
3686	04/24/87	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3686	06/03/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3686	07/27/87	3	DRY
3686	08/26/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3686	10/19/87	4	DRY
3686	03/07/88	1	DRY
3686	05/02/88	2	DRY
3686	08/11/88	3	DRY
3686	11/08/88	4	DRY

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
3686	02/09/89	1	DRY								
3686	05/03/89	2	DRY								
3786	07/27/87	3	DRY								
3786	12/10/87	4	DRY								
3786	03/07/88	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	08/11/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	02/09/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	04/29/87	1	0.0290 U	0.06 U	0.0100 U	0.1111	0.005 U	0.0050 U	52.1962	0.2 U	0.0100 U
6486	05/28/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	07/16/87	3	0.0430	0.02 U	0.005 U	0.0774	0.005 U	0.0003 J	76.4896	0.02 U	0.0100 U
6486	10/12/87	4	DRY								
6486	02/17/88	1	0.0290 U	0.02 U	0.005 U	0.0487	0.005 U	0.001 U	57.5364	0.02 U	0.0100 U
6486	04/11/88	2	0.0315	0.0340 U	0.005 U	0.0411	0.0010 U	0.0050 U	50.7763	0.02 U	0.0100 U
6486	07/13/88	3	DRY								
6486	10/21/88	4	DRY								
6486	01/18/89	1	DRY								
6486	04/24/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	05/31/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6586	05/13/87	1	0.0290 U	0.06 U	0.0100 U	0.0922	0.005 U	0.0050 U	85.8800	0.2 U	0.0100 U
6586	05/28/87	2	0.0290 U	0.06 U	0.01 U	0.1085	0.005 U	0.005 U	92.4841	0.2 U	0.0100 U
6586	07/16/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6586	09/09/87	3	0.2410	0.02 U	0.005 U	0.2399	0.005 U	0.001	99.8950	0.02 U	0.0100 U
6586	10/19/87	4	DRY								
6586	02/29/88	1	0.0503	0.02 U	0.005 U	0.1020	0.005 U	0.001 U	80.8845	0.02 U	0.0100 U
6586	04/18/88	2	0.0332	0.0340 U	0.005 U	0.0470	0.0010 U	0.0050 U	62.1582	0.02 U	0.0100 U
6586	07/19/88	3	DRY								
6586	10/21/88	4	DRY								
6586	01/18/89	1	DRY								
6586	04/24/89	2	DRY								
6586	06/01/89	2	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	88.90	1U	.0100 U

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Dissolved Metals Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
3686	02/09/89	1	DRY								
3686	05/03/89	2	DRY								
3786	07/27/87	3	DRY								
3786	12/10/87	4	DRY								
3786	03/07/88	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	08/11/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	02/09/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	04/29/87	1	0.0220 U	0.0063 U	0.0069 U	0.0050 U	NR	16.1115	0.2782	0.0002 U	0.0220 U
6486	05/28/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	07/16/87	3	0.0220 U	0.0341	0.0069 U	0.005 U	NR	23.3312	0.1053	0.006	0.0220 U
6486	10/12/87	4	DRY								
6486	02/17/88	1	0.0220 U	0.0097	0.0069 U	0.005 U	0.05 J	19.9044	0.0587	0.0002 U	0.0234
6486	04/11/88	2	0.0220 U	0.0078	0.0274	0.005 U	0.1 U	16.6025	0.0331	0.0002 U	0.0271
6486	07/13/88	3	DRY								
6486	10/21/88	4	DRY								
6486	01/18/89	1	DRY								
6486	04/24/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	05/31/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6586	05/13/87	1	0.0220 U	0.0063 U	0.0154	0.0050 U	NR	20.9975	0.0145	0.0002 U	0.0220 U
6586	05/28/87	2	0.0220 U	0.0063 U	0.0086	0.024	NR	20.0700	0.0092	0.0002 U	0.0220 U
6586	07/16/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6586	09/09/87	3	0.0220 U	0.0202	0.4065	0.001 J	NR	26.1863	0.1589	0.0002 U	0.0220 U
6586	10/19/87	4	DRY								
6586	02/29/88	1	0.0220 U	0.0063 U	0.0387	0.005 U	0.1 U	21.9367	0.0060	0.0002 U	0.0220 U
6586	04/18/88	2	0.0220 U	0.0102	0.0491	0.005 U	0.1 U	16.6175	0.0051 U	0.0002 U	0.0220 U
6586	07/19/88	3	DRY								
6586	10/21/88	4	DRY								
6586	01/18/89	1	DRY								
6586	04/24/89	2	DRY								
6586	06/01/89	2	.0500 U	.0250 U	.100 U	.0050 U	.0331	22.20	.0150 U	.0004	.0100 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
3686	02/09/89	1	DRY								
3686	05/03/89	2	DRY								
3786	07/27/87	3	DRY								
3786	12/10/87	4	DRY								
3786	03/07/88	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	08/11/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	02/09/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3786	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	04/29/87	1	0.4380	5.0 U	0.005 U	0.0076 U	88.4763	0.4237	0.0100 U	NR	0.0240 U
6486	05/28/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	07/16/87	3	0.0370 U	2.4	0.002 J	0.0076 U	167.2014	0.6982	0.01 U	NR	0.0368
6486	10/12/87	4	DRY								
6486	02/17/88	1	0.0492	1.6	0.004 J	0.0076 U	105.6913	0.5420	0.01 U	NR	0.0240 U
6486	04/11/88	2	0.0370 U	1.3	0.009	0.0076 U	95.3058	0.4397	0.01 U	NR	0.0360 U
6486	07/13/88	3	DRY								
6486	10/21/88	4	DRY								
6486	01/18/89	1	DRY								
6486	04/24/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6486	05/31/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6586	05/13/87	1	0.0370 U	5.0 U	0.005 U	0.0076 U	74.5395	0.5659	0.0100 U	NR	0.0240 U
6586	05/28/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	72.2864	0.5725	0.01 U	NR	0.0240 U
6586	07/16/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6586	09/09/87	3	0.0534	2.7	0.005 U	0.0076 U	75.5453	0.7864	0.01 U	NR	0.0240 U
6586	10/19/87	4	DRY								
6586	02/29/88	1	0.0370 U	1.3	0.005 U	0.0076 U	67.5564	0.6006	0.01 U	NR	0.0240 U
6586	04/18/88	2	0.0370 U	1.0	0.005 U	0.0076 U	55.3275	0.4262	0.01 U	NR	0.0360 U
6586	07/19/88	3	DRY								
6586	10/21/88	4	DRY								
6586	01/18/89	1	DRY								
6586	04/24/89	2	DRY								
6586	06/01/89	2	.0400 U	5U	.0050 U	.0100 U	78.50	1U	.0500 U	.100 U	.0500 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
3686	02/09/89	1	DRY
3686	05/03/89	2	DRY
3786	07/27/87	3	DRY
3786	12/10/87	4	DRY
3786	03/07/88	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3786	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3786	08/11/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3786	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3786	02/09/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3786	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
6486	04/29/87	1	0.02
6486	05/28/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
6486	07/16/87	3	0.0218
6486	10/12/87	4	DRY
6486	02/17/88	1	0.0200 U
6486	04/11/88	2	0.0200 U
6486	07/13/88	3	DRY
6486	10/21/88	4	DRY
6486	01/18/89	1	DRY
6486	04/24/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
6486	05/31/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
6586	05/13/87	1	0.02 U
6586	05/28/87	2	0.0271
6586	07/16/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
6586	09/09/87	3	0.0990
6586	10/19/87	4	DRY
6586	02/29/88	1	0.0373
6586	04/18/88	2	0.1039
6586	07/19/88	3	DRY
6586	10/21/88	4	DRY
6586	01/18/89	1	DRY
6586	04/24/89	2	DRY
6586	06/01/89	2	.0200 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
6686	05/11/87	1	0.0411	0.06 U	0.0100 U	0.0726	0.005 U	0.0050 U	33.8505	0.2 U	0.0100 U
6686	05/28/87	2	0.0290 U	0.06 U	0.01 U	0.1065	0.005 U	0.005 U	49.7015	0.2 U	0.0100 U
6686	07/17/87	3	DRY								
6686	10/19/87	4	DRY								
6686	03/31/88	1	0.0305	0.0340 U	0.005 U	0.0473	0.0010 U	0.0050 U	29.8451	0.020 U	0.0100 U
6686	06/02/88	2	0.0533	0.0340 U	0.005 U	0.0792	0.0010 U	0.0050 U	24.1847	0.02 U	0.0100 U
6686	10/07/88	4	DRY								
6686	12/23/88	4	DRY								
6686	03/29/89	1	0.0249 J	0.050 U	0.001 U	0.0580 J	0.002 U	0.005 U	29.8865	0.005 U	0.009 U
6686	06/02/89	2	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	55.10	.100 U	.0100 U
6686	06/02/89	2	Data not yet received								
6686	06/26/89	2	DRY								
2187	10/29/87	4	DRY								
2187	03/07/88	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	05/02/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	08/10/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	02/09/89	1	DRY								
2187	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

WEATHERED CLAYSTONE

0171	03/09/87	1	0.0290 U	0.0600 U	0.01 U	0.3006	0.0050 U	0.0050 U	74.2379	0.2 U	0.0100 U
0171	04/30/87	1	0.0290 U	0.0600 U	0.01 U	0.2387	0.005 U	0.005 U	71.7187	0.2 U	0.0100 U
0171	05/01/87	1	NR	0.06 U	0.01 U	NR	NR	0.005 U	NR	0.2 U	NR
0171	05/21/87	2	0.0290 U	0.06 U	0.01 U	0.2969	0.005 U	0.005 U	86.5157	0.2 U	0.0100 U
0171	07/02/87	3	0.0505	0.02 U	0.005 U	0.2990	0.005 U	0.001 U	79.9108	0.02 U	0.0100 U
0171	10/14/87	4	0.0619	0.02 U	0.005 U	0.2754	0.002 J	0.0007 J	61.9404	0.02 U	0.0208
0171	02/25/88	1	0.0290 U	0.022	0.005 U	0.2707	0.005 U	0.001 U	62.7340	0.02 U	0.0100 U
0171	04/18/88	2	0.0290 U	0.0340 U	0.005 U	0.2153	0.0010 U	0.0050 U	62.7596	0.02 U	0.0100 U
0171	07/25/88	3	0.0290 U	0.0357	0.005 U	0.2950	0.0010 U	0.0050 U	76.0152	0.02 U	0.0100 U
0171	07/26/88	3	0.0290 U	0.0346	0.005 U	0.2898	0.0010 U	0.0050 U	74.5447	0.02 U	0.0100 U
0171	10/31/88	4	0.0412	0.0340 U	0.005 U	0.2943	0.0010 U	0.0050 U	75.7906	0.02 U	0.0100 U
0171	11/01/88	4	0.0434	0.0340 U	0.005 U	0.2980	0.0010 U	0.0050 U	76.0352	0.02 U	0.0100 U
0171	02/01/89	1	0.0193 J	0.050 U	0.001 U	0.2967	0.002 U	0.005 U	76.9057	0.005 U	0.0093 J

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
6686	05/11/87	1	0.0220 U	0.0063 U	0.0193	0.0050 U	NR	7.6188	0.1277	0.0002 U	0.0220 U
6686	05/28/87	2	0.0220 U	0.0063 U	0.0125	0.018	NR	9.5567	0.1474	0.0002 U	0.0220 U
6686	07/17/87	3	DRY								
6686	10/19/87	4	DRY								
6686	03/31/88	1	0.0220 U	0.0072	0.0336	0.005 U	0.1 U	6.7024	0.0167	0.0002 U	0.0220 U
6686	06/02/88	2	0.0220 U	0.0063 U	0.1015	0.005 U	NR	5.4617	0.0092	0.0002 U	0.0220 U
6686	10/07/88	4	DRY								
6686	12/23/88	4	DRY								
6686	03/29/89	1	0.029 U	0.0207 J	0.0721 J	0.001 U	NR	6.2673	0.0155	0.0002 U	0.027 U
6686	06/02/89	2	.0500 U	.0250 U	.100 U	.0050 U	.100 U	12.20	.189	.0002 U	.100 U
6686	06/02/89	2	Data not yet received								
6686	06/26/89	2	DRY								
2187	10/29/87	4	DRY								
2187	03/07/88	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	05/02/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	08/10/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	02/09/89	1	DRY								
2187	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

WEATHERED CLAYSTONE

0171	03/09/87	1	0.0220 U	0.0063 U	0.4360	0.005 U	NR	14.5046	0.1243	0.0002 U	0.0220 U
0171	04/30/87	1	0.0220 U	0.0063 U	0.2571	0.005 U	NR	16.2021	0.1025	0.0002 U	0.0220 U
0171	05/01/87	1	NR	NR	NR	0.005 U	NR	NR	NR	0.0002 U	NR
0171	05/21/87	2	0.0220 U	0.0063 U	1.2330	0.020	NR	14.9964	0.1627	0.0002 U	0.0220 U
0171	07/02/87	3	0.0220 U	0.0138	0.7001	0.005 U	NR	13.5221	0.1437	0.0002 U	0.0220 U
0171	10/14/87	4	0.0220 U	0.0063 U	0.2821	0.002 J	0.04 J	13.7303	0.0773	0.0002 U	0.0220 U
0171	02/25/88	1	0.0220 U	0.0063 U	0.2209	0.005 U	0.1 U	14.4334	0.0953	0.0002 U	0.0220 U
0171	04/18/88	2	0.0220 U	0.0155	0.9135	0.005 U	0.1 U	14.0425	0.0963	0.0002 U	0.0220 U
0171	07/25/88	3	0.0220 U	0.0063 U	0.3598	0.005 U	NR	14.9166	0.1247	0.0002 U	0.0220 U
0171	07/26/88	3	0.0220 U	0.0063 U	0.3629	0.005 U	NR	14.6403	0.1239	0.0002 U	0.0220 U
0171	10/31/88	4	0.0220 U	0.0063 U	0.0680	0.005 U	NR	13.9217	0.1110	0.0002 U	0.0220 U
0171	11/01/88	4	0.0220 U	0.0063 U	0.0602	0.005 U	NR	14.0523	0.1113	0.0002 U	0.0220 U
0171	02/01/89	1	0.029 U	0.0114	0.2210	0.001 U	NR	15.2646	0.1109	0.0002 U	0.027 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
6686	05/11/87	1	0.0983	5.0 U	0.005 U	0.0076 U	23.3693	0.2074	0.0100 U	NR	0.0240 U
6686	05/28/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	28.6255	0.2748	0.01 U	NR	0.0240 U
6686	07/17/87	3	DRY								
6686	10/19/87	4	DRY								
6686	03/31/88	1	0.0415	1.0	0.005 U	0.0076 U	29.4104	0.1921	0.010 U	NR	0.0360 U
6686	06/02/88	2	0.0370 U	1.7	0.005 U	0.0076 U	21.1230	0.1450	0.01 U	NR	0.0360 U
6686	10/07/88	4	DRY								
6686	12/23/88	4	DRY								
6686	03/29/89	1	0.022 U	1.600 J	0.001 U	0.004 U	27.5704	0.1794 J	0.001 U	NR	0.034 U
6686	06/02/89	2	.0400 U	5U	.0050 U	.0100 U	40.10	.314	.0100 U	.100 U	.0500 U
6686	06/02/89	2	Data not yet received								
6686	06/26/89	2	DRY								
2187	10/29/87	4	DRY								
2187	03/07/88	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	05/02/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	08/10/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2187	02/09/89	1	DRY								
2187	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

WEATHERED CLAYSTONE

0171	03/09/87	1	0.0370 U	5.0 U	0.0050 U	0.0076 U	16.5882	0.4816	0.01 U	NR	0.0240 U
0171	04/30/87	1	0.0370 U	5.0 U	0.0050 U	0.0076 U	18.9527	0.5248	0.01 U	NR	0.0240 U
0171	05/01/87	1	NR	5.0 U	0.005 U	NR	NR	NR	0.01 U	NR	NR
0171	05/21/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	19.9155	0.4885	0.01 U	NR	0.0240 U
0171	07/02/87	3	0.0502	1.2	0.005 U	0.0076 U	19.1208	0.5254	0.01 U	NR	0.0240 U
0171	10/14/87	4	0.0370 U	1.6	0.005 U	0.0076 U	17.1110	0.4912	0.01 U	NR	0.0243
0171	02/25/88	1	0.0370 U	1.5	0.005 U	0.0076 U	17.8310	0.4952	0.01 U	NR	0.0240 U
0171	04/18/88	2	0.0370 U	1.3	0.003 J	0.0076 U	16.9360	0.4521	0.01 U	NR	0.0360 U
0171	07/25/88	3	0.0370 U	1.2	0.005 U	0.0076 U	19.9541	0.4989	0.01 U	NR	0.0360 U
0171	07/26/88	3	0.0370 U	1.1	0.005 U	0.0076 U	19.3997	0.4928	0.01 U	NR	0.0360 U
0171	10/31/88	4	0.0370 U	2.6	0.005 U	0.0076 U	19.3502	0.5496	0.01 U	NR	0.0360 U
0171	11/01/88	4	0.0370 U	2.6	0.005 U	0.0076 U	20.4243	0.5563	NR	NR	0.0160 U
0171	02/01/89	1	0.0336 J	1.200 J	.0019 J	0.0049 J	18.7601	0.5169	0.001 U	NR	0.034 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
6686	05/11/87	1	0.02 U
6686	05/28/87	2	0.0200 U
6686	07/17/87	3	DRY
6686	10/19/87	4	DRY
6686	03/31/88	1	0.0466
6686	06/02/88	2	0.0281
6686	10/07/88	4	DRY
6686	12/23/88	4	DRY
6686	03/29/89	1	0.011 J
6686	06/02/89	2	.0721
6686	06/02/89	2	Data not yet received
6686	06/26/89	2	DRY
2187	10/29/87	4	DRY
2187	03/07/88	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2187	05/02/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2187	08/10/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2187	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2187	02/09/89	1	DRY
2187	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS

WEATHERED CLAYSTONE

0171	03/09/87	1	0.0200 U
0171	04/30/87	1	0.02 U
0171	05/01/87	1	0.02 U
0171	05/21/87	2	0.0417
0171	07/02/87	3	0.0310
0171	10/14/87	4	0.0395
0171	02/25/88	1	0.0268
0171	04/18/88	2	0.0259
0171	07/25/88	3	0.0200 U
0171	07/26/88	3	0.0200 U
0171	10/31/88	4	0.0240
0171	11/01/88	4	0.0241
0171	02/01/89	1	0.008 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
0171	05/01/89	2	0.0261 J	0.0500 U	.001 U	0.2785	0.0020 U	0.0050 U	71.9889	.200 U	0.0090 U
0271	03/11/87	1	0.0290 U	0.0600 U	0.0100 U	0.1139	0.005 U	0.0050 U	66.2810	0.2000 U	0.0100 U
0271	03/11/87	1	0.0290 U	0.0600 U	0.01 U	0.1175	0.005 U	0.005 U	65.6058	0.2000 U	0.0100 U
0271	04/09/87	1	0.0290 U	0.0600 U	0.01 U	0.0748	0.005 U	0.005 U	66.4747	0.2 U	0.0100 U
0271	05/21/87	2	0.0643	0.06 U	0.01 U	0.0829	0.005 U	0.005 U	86.2693	0.2 U	0.0100 U
0271	07/02/87	3	0.0367	0.02 U	0.003 J	0.0909	0.005 U	0.001 U	95.6300	0.02 U	0.0100 U
0271	10/08/87	4	0.0477	0.02 U	0.002 J	0.1625	0.005 U	0.001 U	133.8610	0.02 U	0.0141
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	02/25/88	1	0.0290 U	0.02 U	0.005 U	0.1105	0.005 U	0.001 U	116.9765	0.02 U	0.0100 U
0271	04/20/88	2	0.0359	0.0340 U	0.005 U	0.1058	0.0010 U	0.0050 U	179.8336	0.02 U	0.0288
0271	07/25/88	3	0.0290 U	0.0710	0.005 U	0.1196	0.0010 U	0.0050 U	201.1006	0.02 U	0.0134
0271	10/31/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	02/01/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	05/01/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	03/11/87	1	0.0290 U	0.0600 U	0.01 U	0.1854	0.005 U	0.005 U	107.6955	0.2 U	0.0100 U
0174	05/22/87	2	0.0655	0.06 U	0.01 U	0.1781	0.005 U	0.005 U	115.7480	0.2 U	0.0100 U
0174	07/23/87	3	0.0290 U	0.02 U	0.005 U	0.1830	0.005 U	0.001 U	105.9773	0.02 U	0.0100 U
0174	10/21/87	4	0.0401	0.02 U	0.005 U	0.1829	0.005 U	0.001 U	88.1974	0.02 U	0.0134
0174	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	03/03/88	1	0.0290 U	0.02 U	0.005 U	0.1743	0.005 U	0.001 U	93.5185	0.020 U	0.0100 U
0174	04/28/88	2	0.0293	0.0340 U	0.005 U	0.1657	0.0010 U	0.0050 U	94.0876	0.02 U	0.0100 U
0174	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	08/11/88	3	0.0290 U	0.0340 U	0.005 U	0.1872	0.0010 U	0.0050 U	95.1219	0.02 U	0.0100 U
0174	11/04/88	4	0.0336	0.0342	0.005 U	0.1762	0.0010 U	0.0050 U	95.6792	0.02 U	0.0100 U
0174	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	02/09/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	05/03/89	2	0.0349 J	0.0500 U	0.001 U	0.1705 J	0.0020 U	0.0050 U	87.7258	0.200 U	0.0090 U
0374	03/17/87	1	0.3854	0.06 U	0.01 U	0.2881	0.005 U	0.005 U	134.7004	0.2 U	0.0100 U
0374	06/03/87	2	0.0290 U	0.06 U	0.01 U	0.2045	0.005 U	0.005 U	111.5307	0.2 U	0.0100 U
0374	07/23/87	3	0.0290 U	0.02 U	0.005 U	0.1884	0.005 U	0.001 U	126.5740	0.02 U	0.0100 U
0374	08/11/87	3	DRY								
0374	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0374	10/22/87	4	0.0356	0.02 U	0.005 U	0.1988	0.003 J	0.001 U	105.9805	0.02 U	0.1223
0374	10/22/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
0171	05/01/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	14.2580	0.1147	.0002 U	0.0270 U
0271	03/11/87	1	0.0220 U	0.0063 U	0.9204	0.0050 U	NR	16.3429	0.1477	0.0002 U	0.0220 U
0271	03/11/87	1	0.0220 U	0.0063 U	0.9181	0.0050 U	NR	16.4740	0.1551	0.0002 U	0.0220 U
0271	04/09/87	1	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	20.0582	0.0456	0.0002 U	0.0220 U
0271	05/21/87	2	0.0220 U	0.0063 U	0.7071	0.019	NR	22.6418	0.0428	0.0002 U	0.0220 U
0271	07/02/87	3	0.0220 U	0.0169	0.0132	0.005 U	NR	25.7632	0.0333	0.0003	0.0220 U
0271	10/08/87	4	0.0220 U	0.0063 U	0.4199	0.005 U	0.06 J	36.4795	0.1311	0.0017	0.0220 U
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	02/25/88	1	0.0220 U	0.0063 U	0.0172	0.005 U	0.07 J	34.9517	0.1469	0.0002 U	0.0220 U
0271	04/20/88	2	0.0220 U	0.0084	0.0996	0.005 U	0.07 J	45.8643	0.0946	0.0002 U	0.0220 U
0271	07/25/88	3	0.0220 U	0.0063 U	0.1010	0.005 U	NR	17.7220	0.1636	0.0002 U	0.0220 U
0271	10/31/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	02/01/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	05/01/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	03/11/87	1	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	14.7324	0.0051 U	0.0002 U	0.0220 U
0174	05/22/87	2	0.0220 U	0.0063 U	0.0333	0.008	NR	15.2494	0.0111	0.0002 U	0.0220 U
0174	07/23/87	3	0.0220 U	0.0072	0.0069 U	0.005 U	NR	13.5031	0.0060	0.0002	0.0220 U
0174	10/21/87	4	0.0220 U	0.0138	0.0572	0.007	0.01 J	13.3081	0.0129	0.0002 U	0.0220 U
0174	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	03/03/88	1	0.0220 U	0.0063 U	0.0148	0.005 U	0.1 U	12.7267	0.0059	0.0002 U	0.0220 U
0174	04/28/88	2	0.0220 U	0.0063 U	0.0096	0.005 U	0.1 U	13.0194	0.0051 U	0.0002 U	0.0220 U
0174	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	08/11/88	3	0.0220 U	0.0148	0.0141	0.005 U	NR	13.7248	0.0143	0.0002 U	0.0220 U
0174	11/04/88	4	0.0220 U	0.0063 U	0.0114	0.005 U	NR	13.4172	0.0245	0.0002 U	0.0220 U
0174	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	02/09/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	05/03/89	2	0.0290 U	0.0040 U	0.0350 U	0.001 U	NR	12.9147	0.0080 J	.0002 U	0.0270 U
0374	03/17/87	1	0.0220 U	0.0085	0.0580	0.005 U	NR	11.9124	0.0625	0.0002 U	0.0220 U
0374	06/03/87	2	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	11.0585	0.0051 U	0.0002 U	0.0220 U
0374	07/23/87	3	0.0220 U	0.0064	0.0086	0.005 U	NR	11.1472	0.0051 U	0.0002 U	0.0220 U
0374	08/11/87	3	DRY								
0374	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0374	10/22/87	4	0.0220 U	0.0104	0.3480	0.001 J	0.01 J	10.2265	0.0051 U	0.0002 U	0.0220 U
0374	10/22/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
0171	05/01/89	2	.0220 U	1.350 J	.001 U	0.0040 U	17.5609	0.5274	.001 U	NR	0.0340 U
0271	03/11/87	1	0.0370 U	5.0 U	0.0230	0.0076 U	190.1731	0.5929	0.0100 U	NR	0.0240 U
0271	03/11/87	1	0.0370 U	5.0000 U	0.0210	0.0076 U	187.0130	0.5942	0.0100 U	NR	0.0240 U
0271	04/09/87	1	0.0370 U	5.0 U	0.03	0.0076 U	187.6075	0.6070	0.01 U	NR	0.0240 U
0271	05/21/87	2	0.0370 U	5.0 U	0.036	0.0076 U	195.6574	0.6492	0.01 U	NR	0.0240 U
0271	07/02/87	3	0.0370 U	2.6	0.026	0.0076 U	221.1795	0.8473	0.01 U	NR	0.0240 U
0271	10/08/87	4	0.0370 U	2.3	0.025	0.0076 U	244.5806	1.1487	0.01 U	NR	0.0240 U
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	02/25/88	1	0.0478	2.7	0.030	0.0076 U	213.6941	1.0162	0.01 U	NR	0.0240 U
0271	04/20/88	2	0.0500	2.1	0.040	0.0076 U	234.7011	1.2316	0.01 U	NR	0.0360 U
0271	07/25/88	3	0.0370 U	2.4	0.028	0.0076 U	259.5513	1.4771	0.01 U	NR	0.0360 U
0271	10/31/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	02/01/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0271	05/01/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	03/11/87	1	0.0370 U	5.0 U	0.0050 U	0.0076 U	8.7453	0.5391	0.01 U	NR	0.0240 U
0174	05/22/87	2	0.0370 U	5.0 U	0.005 U	0.0076 U	13.1215	0.5225	0.01 U	NR	0.0240 U
0174	07/23/87	3	0.0370 U	0.8	0.005 U	0.0076 U	9.0118	0.5248	0.01 U	NR	0.0240 U
0174	10/21/87	4	0.0370 U	0.9	0.005 U	0.0076 U	9.2626	0.4916	0.01 U	NR	0.0240 U
0174	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	03/03/88	1	0.0370 U	0.6	0.005 U	0.0076 U	8.1078	0.4881	0.010 U	NR	0.0240 U
0174	04/28/88	2	0.0370 U	1.3	0.005 U	0.0076 U	7.6229	0.4800	0.01 U	NR	0.0360 U
0174	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	08/11/88	3	0.0370 U	0.8	0.005 U	0.0076 U	9.2674	0.4925	0.01 U	NR	0.0360 U
0174	11/04/88	4	0.0370 U	0.5 U	0.005 U	0.0076 U	10.6527	0.5475	0.01 U	NR	0.0360 U
0174	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	02/09/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0174	05/03/89	2	0.0220 U	0.72 J	0.001 U	0.0040 U	8.2184	0.4941	0.001 U	NR	0.0340 U
0374	03/17/87	1	0.0370 U	5.0 U	0.005 U	0.0076 U	21.9046	0.4007	0.01 U	NR	0.0240 U
0374	06/03/87	2	0.0452	5.0 U	0.005 U	0.0076 U	29.1251	0.3992	0.01 U	NR	0.0240 U
0374	07/23/87	3	0.0370 U	0.9	0.004 J	0.0076 U	31.6352	0.3951	0.01 U	NR	0.0240 U
0374	08/11/87	3	DRY								
0374	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0374	10/22/87	4	0.0370 U	1.0	0.003 J	0.0076 U	21.8861	0.3549	0.01 U	NR	0.0240 U
0374	10/22/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
0171	05/01/89	2	0.0080 U
0271	03/11/87	1	0.0500
0271	03/11/87	1	0.0400
0271	04/09/87	1	0.04
0271	05/21/87	2	0.0346
0271	07/02/87	3	0.0351
0271	10/08/87	4	0.0200 U
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0271	02/25/88	1	0.0209
0271	04/20/88	2	0.0522
0271	07/25/88	3	0.0411
0271	10/31/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0271	02/01/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0271	05/01/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0174	03/11/87	1	0.06
0174	05/22/87	2	0.0335
0174	07/23/87	3	0.0200 U
0174	10/21/87	4	0.0200
0174	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0174	03/03/88	1	0.0824
0174	04/28/88	2	0.0200 U
0174	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0174	08/11/88	3	0.0486
0174	11/04/88	4	0.0207
0174	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0174	02/09/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0174	05/03/89	2	0.0080 U
0374	03/17/87	1	0.36
0374	06/03/87	2	0.0200 U
0374	07/23/87	3	0.0200 U
0374	08/11/87	3	DRY
0374	09/03/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0374	10/22/87	4	0.0330
0374	10/22/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
0374	03/07/88	1	0.0909	0.02 U	0.005 U	0.1971	0.005 U	0.001 U	115.2379	0.02 U	0.0100 U
0374	05/04/88	2	0.0419	0.0340 U	0.005 U	0.1904	0.0010 U	0.0050 U	12.6524	0.02 U	0.0100 U
0374	08/19/88	3	0.0290 U	0.0340 U	0.005 U	0.1959	0.0010 U	0.0050 U	117.0657	0.020 U	0.0107
0374	11/10/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0374	02/15/89	1	DRY								
0374	05/08/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
6286	04/09/87	1	0.1455	0.0600 U	0.01 U	0.0239	0.005 U	0.005 U	37.1320	0.2 U	0.0128
6286	04/29/87	1	0.0839	0.0600 U	0.01 U	0.0191	0.005 U	0.005 U	32.5061	0.2 U	0.0100 U
6286	05/26/87	2	0.0647	0.06 U	0.01 U	0.0322	0.005 U	0.005 U	38.7927	0.2 U	0.0100 U
6286	07/06/87	3	0.0600	0.02 U	0.005 U	0.0356	0.005 U	0.0003 J	35.4258	0.02 U	0.0189
6286	10/14/87	4	0.0479	0.02 U	0.005 U	0.0375	0.005 U	0.001 U	27.7660	0.02 U	0.0453
6286	02/17/88	1	0.0300	0.02 U	0.003 J	0.0412	0.005 U	0.001 U	28.6004	0.02 U	0.0216
6286	04/13/88	2	0.0381	0.0340 U	0.005 U	0.0358	0.0010 U	0.0050 U	32.9081	0.02 U	0.0193
6286	07/14/88	3	0.0341	0.0340 U	0.005 U	0.0404	0.0010 U	0.0050 U	32.9175	0.020 U	0.0229
6286	10/20/88	4	0.0626	0.0340 U	0.005 U	0.0499	0.0010 U	0.0050 U	37.0527	0.02 U	0.0231
6286	11/14/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6286	01/23/89	1	.0095 V	0.050 U V	0.001 U V	.0415 V	0.002 U V	0.005 U R	33.2 V	0.005 U V	0.029 V
6286	04/19/89	2	0.0283 J	0.0500 U	0.001 U	0.0361 J	0.0020 U	0.0050 U	30.3851	0.200 U	0.0344
6286	06/10/89	2	.200 U V	.0600 U A	.0100 U V	.200 U R	.0050 U A	.0090 A	34.50 A	1U V	.0246 A
0987BR	06/19/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0987BR	10/12/87	4	0.0439	0.02 U	0.005 U	0.1173	0.005 U	0.0005 J	68.6964	0.02 U	0.0208
0987BR	10/12/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0987BR	02/25/88	1	0.0290 U	0.02 U	0.005 U	0.0830	0.005 U	0.001 U	71.9505	0.02 U	0.0100 U
0987BR	04/19/88	2	0.0517	0.0340 U	0.005 U	0.0872	0.0015	0.0050 U	102.5523	0.02 U	0.0100 U
0987BR	08/09/88	3	0.0290 U	0.0340 U	0.005 U	0.0753	0.0010 U	0.0050 U	79.3751	0.02 U	0.0104
0987BR	10/26/88	4	0.0352	0.0340 U	0.005 U	0.0948	0.0010 U	0.0050 U	79.6691	0.02 U	0.0100 U
0987BR	01/25/89	1	0.015 U	0.050 U	0.001 U	0.0684 J	0.002 U	0.005 U	63.4733	0.005 U	0.009 U
0987BR	05/01/89	2	.00003 B	.00005 U	.001 U	.00009 B	0.0020 U	0.0050 U	.079569	.200 U	0.0090 U
0987BR	05/01/89	2	0.0229 J	0.0500 U	.001 U	0.0913 J	0.0020 U	0.0050 U	83.2175	.200 U	0.0090 U
1187BR	09/16/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	09/16/87	3	0.0290 U	0.02 U	0.005 U	0.1299	0.005 U	0.001 U	116.9472	0.02 U	0.0100 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
0374	03/07/88	1	0.0220 U	0.0242	0.0513	0.005 U	0.1 U	10.8145	0.0051 U	0.0002 U	0.0220 U
0374	05/04/88	2	0.0220 U	0.0118	0.0077	0.007	NR	11.4483	0.0051 U	0.0002 U	0.0220 U
0374	08/19/88	3	0.0220 U	0.0063 U	0.0278	0.005 U	NR	10.5830	0.0051 U	0.0002 U	0.0220 U
0374	11/10/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0374	02/15/89	1	DRY								
0374	05/08/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
6286	04/09/87	1	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	4.1261	0.0051 U	0.0002 U	0.0220 U
6286	04/29/87	1	0.0220 U	0.0063 U	0.0069 U	0.005 U	NR	4.3072	0.0051 U	0.0002 U	0.0220 U
6286	05/26/87	2	0.0220 U	0.0103	0.0225	0.021	NR	6.8863	0.0051 U	0.0002 U	0.0220 U
6286	07/06/87	3	0.0220 U	0.0166	0.0272	0.005 U	NR	8.1709	0.0051 U	0.0008	0.0220 U
6286	10/14/87	4	0.0220 U	0.0087	0.1330	0.005 U	0.03 J	8.6855	0.0051 U	0.0001 J	0.0220 U
6286	02/17/88	1	0.0220 U	0.0063 U	0.0078	0.005 U	0.1 U	9.9492	0.0051 U	0.0002 U	0.0220 U
6286	04/13/88	2	0.0220 U	0.0063 U	0.0255	0.005 U	0.1 U	11.5102	0.0051	0.0002 U	0.0220 U
6286	07/14/88	3	0.0220 U	0.0063 U	0.0409	0.005 U	NR	11.2686	0.0051 U	0.0002* U	0.0220 U
6286	10/20/88	4	0.0220 U	0.0276	0.0396	0.005 U	NR	12.4129	0.0051 U	0.0002 U	0.0220 U
6286	11/14/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6286	01/23/89	1	0.029 U V	0.004 U V	0.049 V	.0015 V	NR	11.3 V	0.002 U V	0.0002 U A	0.027 U V
6286	04/19/89	2	0.0290 U	0.0049 J	0.0350 U	0.001 U	NR	10.0055	0.0020 U	.0002 U	0.0270 U
6286	06/10/89	2	.0500 U A	.0250 U R	.100 U V	.0050 U A	.100 U V	11.40 A	.0150 U V	.0002 U V	.100 U V
0987BR	06/19/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0987BR	10/12/87	4	0.0220 U	0.0063 U	0.0728	0.005 U	0.01 J	6.0421	0.0051 U	0.0002	0.0220 U
0987BR	10/12/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0987BR	02/25/88	1	0.0220 U	0.0063 U	0.0069 U	0.005 U	0.1 U	6.7475	0.0051 U	0.0002 U	0.0220 U
0987BR	04/19/88	2	0.0220 U	0.0113	0.0261	0.005 U	0.1 U	9.2144	0.0051 U	0.0002 U	0.0220 U
0987BR	08/09/88	3	0.0220 U	0.0241	0.0227	0.005 U	NR	6.5729	0.0084	0.0002 U	0.0220 U
0987BR	10/26/88	4	0.0220 U	0.0063 U	0.0112	0.005 U	NR	6.2279	0.0051 U	0.0002 U	0.0220 U
0987BR	01/25/89	1	0.029 U	0.004 U	0.035 U	0.001 U	NR	5.1742	0.002 U	0.0002 U	0.027 U
0987BR	05/01/89	2	.00003 U	0.0040 U	.00003 U	.001 U	NR	.00703	0.0030 B	.0002 U	.00003 U
0987BR	05/01/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	7.3453	0.0020 U	.0002 U	0.0270 U
1187BR	09/16/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	09/16/87	3	0.0220 U	0.0063 U	0.0069 U	0.003 J	0.07	29.0439	0.2596	0.0002 U	0.0220 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
0374	03/07/88	1	0.0370 U	0.9	0.005 U	0.0076 U	22.4269	0.3905	0.01 U	NR	0.0240 U
0374	05/04/88	2	0.0370 U	1.0	0.005 U	0.0161 *	20.8114	0.3817	0.01 U	NR	0.0360 U
0374	08/19/88	3	0.0370 U	0.9	0.005 U	0.0076 U	22.0883	0.3533	0.010 U	NR	0.0360 U
0374	11/10/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0374	02/15/89	1	DRY								
0374	05/08/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
6286	04/09/87	1	0.0370 U	13.0	0.06	0.0076 U	53.4960	0.4131	0.01 U	NR	0.0240 U
6286	04/29/87	1	0.0370 U	10.0	0.04	0.0076 U	58.5839	0.3812	0.01 U	NR	0.0240 U
6286	05/26/87	2	0.0370 U	9.5	0.044	0.0076 U	56.0170	0.3969	0.01 U	NR	0.0240 U
6286	07/06/87	3	0.0370	8.2	0.05	0.0076 U	60.8007	0.4878	0.01 U	NR	0.0240 U
6286	10/14/87	4	0.1041	9.1	0.027	0.0076 U	51.3986	0.3823	0.01 U	NR	0.0240 U
6286	02/17/88	1	0.0539	5.9	0.062	0.0076 U	49.7036	0.4234	0.01 U	NR	0.0240 U
6286	04/13/88	2	0.0485	4.2	0.071	0.0076 U	47.0577	0.4104	0.01 U	NR	0.0360 U
6286	07/14/88	3	0.0370 U	4.1	0.041	0.0076 U	53.1023	0.4450	0.010 U	NR	0.0360 U
6286	10/20/88	4	0.0370 U	4.8	0.044	0.0076N U	54.8659	0.5031	0.01 U	NR	0.0360 U
6286	11/14/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
6286	01/23/89	1	0.022 U V	3.86 V	.0565 V	0.004 U V	54.8 V	0.451 V	0.001 U V	NR	0.034 U V
6286	04/19/89	2	0.0220 U	3.55 J	.0493	0.0040 U	51.6602	0.4079	0.001 U	NR	0.0340 U
6286	06/10/89	2	.0400 U A	5U A	.0616 V	.0100 U A	51.40 V	1U V	.0100 U A	.100 U V	.0500 U R
0987BR	06/19/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0987BR	10/12/87	4	0.0370 U	0.98	0.005 U	0.0076 U	8.7941	0.2590	0.01 U	NR	0.0240 U
0987BR	10/12/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
0987BR	02/25/88	1	0.0370 U	0.7	0.002 J	0.0076 U	6.9667	0.2675	0.01 U	NR	0.0240 U
0987BR	04/19/88	2	0.0370 U	0.8	0.005 U	0.0076 U	9.7888	0.3559	0.01 U	NR	0.0360 U
0987BR	08/09/88	3	0.0370 U	0.9	0.005 U	0.0076 U	10.0601	0.2664	0.01 U	NR	0.0360 U
0987BR	10/26/88	4	0.0370 U	1.6	NR	0.0076 U	9.8898	0.2869	0.01 U	NR	0.0360 U
0987BR	01/25/89	1	0.0223 J	0.808 J	0.003 J	0.004 U	8.1308	0.2201	0.001 U	NR	0.034 U
0987BR	05/01/89	2	.00002 U	.850 J	.0026 J	0.0040 U	.010709	.00037	.001 U	NR	.00003 U
0987BR	05/01/89	2	0.0220 U	.890 J	.0041 J	0.0040 U	10.0855	0.3160	.001 U	NR	0.0340 U
1187BR	09/16/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	09/16/87	3	0.0370 U	7.9	0.024	0.0076 U	51.3263	0.9591	0.01 U	NR	0.0240 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
0374	03/07/88	1	0.0233
0374	05/04/88	2	0.0200 U
0374	08/19/88	3	0.0202
0374	11/10/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0374	02/15/89	1	DRY
0374	05/08/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS

WEATHERED SANDSTONE

6286	04/09/87	1	0.05
6286	04/29/87	1	0.02 U
6286	05/26/87	2	0.0200 U
6286	07/06/87	3	0.0200 U
6286	10/14/87	4	0.0200 U
6286	02/17/88	1	0.0200 U
6286	04/13/88	2	0.0200 U
6286	07/14/88	3	0.0291
6286	10/20/88	4	0.0918
6286	11/14/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
6286	01/23/89	1	0.008 U V
6286	04/19/89	2	0.0080 U
6286	06/10/89	2	.0200 U A
0987BR	06/19/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0987BR	10/12/87	4	0.0320
0987BR	10/12/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
0987BR	02/25/88	1	0.0200 U
0987BR	04/19/88	2	0.0428
0987BR	08/09/88	3	0.0438
0987BR	10/26/88	4	0.0315
0987BR	01/25/89	1	0.0099 J
0987BR	05/01/89	2	0.0080 U
0987BR	05/01/89	2	0.0080 U
1187BR	09/16/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1187BR	09/16/87	3	0.0200 U

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Dissolved Metals Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	10/12/87	4	DRY								
1187BR	02/17/88	1	0.0290 U	0.02 U	0.005 U	0.1049	0.005 U	0.001 U	98.4283	0.02 U	0.0100 U
1187BR	04/13/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	08/08/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	10/26/88	4	DRY								
1187BR	02/07/89	1	DRY								
1187BR	05/02/89	2	DRY								
1287BR	08/31/87	3	0.0852	0.02 U	0.005 U	0.0843	0.005 U	0.0005 J	35.1950	0.02 U	0.0100 U
1287BR	02/25/88	1	0.0290 U	0.02 U	0.005 U	0.0434	0.005 U	0.001 U	31.0631	0.02 U	0.0100 U
1287BR	04/20/88	2	0.0470	0.0340 U	0.005 U	0.0332	0.0010 U	0.0050 U	36.1776	0.02 U	0.0100 U
1287BR	07/25/88	3	0.0351	0.0340 U	0.005 U	0.0508	0.0010 U	0.0050 U	38.1220	0.02 U	0.0561
1287BR	10/31/88	4	DRY								
1287BR	02/07/89	1	DRY								
1287BR	05/02/89	2	DRY								
1487BR	08/31/87	3	0.5102	0.02 U	0.005 U	0.9321	0.005 U	0.001 U	408.4416	0.02 U	0.0399
1487BR	10/12/87	4	1.1972	0.029	0.005 U	0.1196	0.001 J	0.001 U	81.2350	0.02 U	0.0382
1487BR	10/12/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1487BR	02/29/88	1	0.1598	0.02 U	0.005 U	0.0297	0.005 U	0.001 U	7.5573	0.02 U	0.0207
1487BR	04/21/88	2	0.1141	0.0340 U	0.005 U	0.0269	0.0010 U	0.0050 U	6.0019	0.02 U	0.0252
1487BR	08/08/88	3	0.1238	0.0340 U	0.005 U	0.0298	0.0010 U	0.0050 U	7.7025	0.02 U	0.0100 U
1487BR	10/26/88	4	0.1008	0.0340 U	0.005 U	0.0351	0.0010 U	0.0050 U	10.3618	0.02 U	0.0232
1487BR	01/25/89	1	0.0683 J	0.050 U	0.001 U	0.0684 J	0.002 U	0.0050 U	27.1815	0.005 U	0.0184
1487BR	01/25/89	1	0.0572 J	0.050 U	0.001 U	0.0666 J	0.002 U	0.005 U	26.2288	0.005 U	0.0182
1487BR	04/24/89	2	0.0228 J	0.0500 U	.0016 J	0.0238 J	0.0020 U	0.0050 U	7.5733	.200 U	0.0179
2387BR	09/10/87	3	0.0417	0.02 U	0.005 U	0.1842	0.005 U	0.001 U	112.9795	0.02 U	0.0100 U
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	10/21/87	4	0.1725	NR	NR	0.1632	NR	NR	94.3186	NR	0.0676
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	03/02/88	1	0.0969	0.02 U	0.005 U	0.1949	0.005 U	0.001 U	130.1240	0.020 U	0.0100 U
2387BR	04/28/88	2	0.0290 U	0.0340 U	0.005 U	0.1625	0.0010 U	0.0050 U	115.0052	0.02 U	0.0100 U
2387BR	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	08/10/88	3	0.0290 U	0.0340 U	0.005 U	0.1538	0.0010 U	0.0050 U	115.5801	0.02 U	0.0100 U

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WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	10/12/87	4	DRY								
1187BR	02/17/88	1	0.0220 U	0.0063 U	0.0224	0.005 U	0.06 J	28.3999	0.3933	0.0002 U	0.0220 U
1187BR	04/13/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	08/08/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	10/26/88	4	DRY								
1187BR	02/07/89	1	DRY								
1187BR	05/02/89	2	DRY								
1287BR	08/31/87	3	0.0220 U	0.0063 U	0.0385	0.005 U	0.13	6.5848	0.1233	0.0002 U	0.0220 U
1287BR	02/25/88	1	0.0220 U	0.0088	0.0169	0.005 U	0.11	7.1516	0.0447	0.0002 U	0.0220 U
1287BR	04/20/88	2	0.0220 U	0.0098	0.0811	0.005 U	0.1 U	7.5445	0.0078	0.0002 U	0.0220 U
1287BR	07/25/88	3	0.0220 U	0.0076	0.2085	0.005 U	NR	7.8634	0.0227	0.0002 U	0.0220 U
1287BR	10/31/88	4	DRY								
1287BR	02/07/89	1	DRY								
1287BR	05/02/89	2	DRY								
1487BR	08/31/87	3	0.0220 U	0.0090	0.0069 U	0.005 U	0.05 J	0.0295	0.0051 U	0.0002 U	0.0220 U
1487BR	10/12/87	4	0.0220 U	0.0090	0.0599	0.004 J	0.04 J	0.1458	0.0051 U	0.0002 U	0.0220 U
1487BR	10/12/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1487BR	02/29/88	1	0.0220 U	0.0118	0.0366	0.005 U	0.06 J	1.3191	0.0051 U	0.0002 U	0.0220 U
1487BR	04/21/88	2	0.0220 U	0.0064	0.0172	0.005 U	0.06 J	4.0380	0.0051 U	0.0002 U	0.0220 U
1487BR	08/08/88	3	0.0220 U	0.0090	0.0131 U	0.005 U	NR	7.5092	0.0051 U	0.0002 U	0.0220 U
1487BR	10/26/88	4	0.0220 U	0.0063 U	0.0120	0.005 U	NR	8.5727	0.0051 U	0.0002 U	0.0220 U
1487BR	01/25/89	1	0.029 U	0.0048 J	0.035 U	0.001 U	NR	12.9274	0.002 U	0.0002 U	0.027 U
1487BR	01/25/89	1	0.029 U	0.0265	0.0730	0.001 U	NR	11.8875	0.002 U	0.0002 U	0.027 U
1487BR	04/24/89	2	0.0290 U	0.0084 J	0.0350 U	.001 U	NR	10.3762	0.0020 U	.0002 U	0.0270 U
2387BR	09/10/87	3	0.0220 U	0.0063 U	0.0069 U	0.005 U	0.01 J	14.4141	0.2832	0.0002 U	0.0220 U
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	10/21/87	4	0.0220 U	0.0063 U	0.1942	NR	NR	12.8861	0.2422	NR	0.0220 U
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	03/02/88	1	0.0220 U	0.0063 U	0.0333	0.005	0.1 U	13.8849	0.1289	0.0002 U	0.0220 U
2387BR	04/28/88	2	0.0220 U	0.0063 U	0.0135	0.005 U	0.1 U	13.4011	0.0720	0.0002 U	0.0220 U
2387BR	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	08/10/88	3	0.0220 U	0.0153	0.0184	0.005 U	NR	12.9021	0.0112	0.0002 U	0.0220 U

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WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	10/12/87	4	DRY								
1187BR	02/17/88	1	0.2561	4.5	0.010	0.0076 U	42.4341	0.9228	0.01 U	NR	0.0240 U
1187BR	04/13/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	08/08/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1187BR	10/26/88	4	DRY								
1187BR	02/07/89	1	DRY								
1187BR	05/02/89	2	DRY								
1287BR	08/31/87	3	0.1084	3.5	0.005 U	0.0076 U	213.3728	0.2646	0.01 U	NR	0.0240 U
1287BR	02/25/88	1	0.1154	1.3	0.002 J	0.0076 U	172.5999	0.2467	0.01 U	NR	0.0240 U
1287BR	04/20/88	2	0.0610	0.8	0.005 U	0.0076 U	179.5822	0.2582	0.005 U	NR	0.0360 U
1287BR	07/25/88	3	0.0422	1.1	0.005 U	0.0076 U	193.4917	0.2735	0.01 U	NR	0.0360 U
1287BR	10/31/88	4	DRY								
1287BR	02/07/89	1	DRY								
1287BR	05/02/89	2	DRY								
1487BR	08/31/87	3	0.0370 U	31	0.005 U	0.0076 U	96.2131	7.7076	0.01 U	NR	0.0240 U
1487BR	10/12/87	4	0.0370 U	12.3	0.011	0.0076 U	76.9625	1.4379	0.01 U	NR	0.0915
1487BR	10/12/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1487BR	02/29/88	1	0.0370 U	8.0	0.012	0.0076 U	77.9638	0.3449	0.01 U	NR	0.0686
1487BR	04/21/88	2	0.0370 U	7.9	0.013	0.0076 U	84.0615	0.3095	0.01 U	NR	0.0412
1487BR	08/08/88	3	0.0370 U	6.7	0.014	0.0076 U	85.1056	0.3517	0.01 U	NR	0.0360 U
1487BR	10/26/88	4	0.0370 U	7.3	0.005 U	0.0076 U	88.8970	0.4643	0.01 U	NR	0.0360 U
1487BR	01/25/89	1	0.022 U	4.750 B	.0166	0.004 U	81.7647	0.6635	0.001 U	NR	0.034 U
1487BR	01/25/89	1	0.022 U	4.820 J	.016	.0044 J	77.4038	0.6339	0.001 U	NR	0.034 U
1487BR	04/24/89	2	0.0220 U	5.330	0.014	0.0040 U	89.4522	0.4122	.001	NR	0.0340 U
2387BR	09/10/87	3	0.0370 U	4.6	0.005 U	0.0076 U	12.9332	0.6216	0.01	NR	0.0240 U
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	10/21/87	4	0.0370 U	NR	NR	0.0076 U	8.8855	0.5299	NR	NR	0.0282
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	03/02/88	1	0.0370 U	1.7	0.005 U	0.0076 U	9.6792	0.6205	0.010 U	NR	0.0240 U
2387BR	04/28/88	2	0.0558	1.6	0.005 U	0.0076 U	8.0978	0.5278	0.01 U	NR	0.0360 U
2387BR	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	08/10/88	3	0.0370 U	2.0	0.005 U	0.0076 U	9.5551	0.5112	0.01 U	NR	0.0360 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1187BR	10/12/87	4	DRY
1187BR	02/17/88	1	0.0200 U
1187BR	04/13/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1187BR	08/08/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1187BR	10/26/88	4	DRY
1187BR	02/07/89	1	DRY
1187BR	05/02/89	2	DRY
1287BR	08/31/87	3	0.0210
1287BR	02/25/88	1	0.0200 U
1287BR	04/20/88	2	0.0553
1287BR	07/25/88	3	0.0200 U
1287BR	10/31/88	4	DRY
1287BR	02/07/89	1	DRY
1287BR	05/02/89	2	DRY
1487BR	08/31/87	3	0.0200 U
1487BR	10/12/87	4	0.0200 U
1487BR	10/12/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1487BR	02/29/88	1	0.0295
1487BR	04/21/88	2	0.0200 U
1487BR	08/08/88	3	0.0255
1487BR	10/26/88	4	0.0293
1487BR	01/25/89	1	0.0109 J
1487BR	01/25/89	1	0.008 U
1487BR	04/24/89	2	0.0080 U
2387BR	09/10/87	3	0.0822
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2387BR	10/21/87	4	0.0301
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2387BR	03/02/88	1	0.0200 U
2387BR	04/28/88	2	0.0221
2387BR	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2387BR	08/10/88	3	0.0540

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
2387BR	11/04/88	4	0.0290 U	0.0340 U	0.005 U	0.1693	0.0010 U	0.0050 U	120.6239	0.02 U	0.0100 U
2387BR	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	02/07/89	1	0.0192 J	0.050 U	0.001 U	0.1731 J	0.002 U	0.005 U	118.1832	0.005 U	0.009 U
2387BR	05/03/89	2	0.0363 J	0.0500 U	0.001 U	0.1656 J	0.0020 U	0.0050 U	111.1179	0.200 U	0.0090 U
2587BR	09/10/87	3	0.0290 U	0.02 U	0.005 U	0.1720	0.005 U	0.001 U	115.8560	0.02 U	0.0100 U
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	10/21/87	4	2.6796	NR	NR	0.1524	NR	NR	110.7037	NR	0.0785
2587BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	10/27/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	03/03/88	1	0.0290 U	0.02 U	0.005 U	0.1128	0.005 U	0.001 U	116.7854	0.020 U	0.0100 U
2587BR	05/12/88	2	0.0968	0.0340 U	0.005 U	0.0769	0.0010 U	0.0050 U	105.3446	0.02 U	0.0100 U
2587BR	08/16/88	3	0.0290 U	0.0340 U	0.005 U	0.0978	0.0010 U	0.0050 U	128.1111	0.020 U	0.0100 U
2587BR	08/16/88	3	0.0897	0.0340 U	0.005 U	0.0937	0.0010 U	0.0050 U	119.8486	0.020 U	0.0100 U
2587BR	11/10/88	4	0.0376	0.0340 U	0.005 U	0.1076	0.0010 U	0.0050 U	125.3399	0.02 U	0.0158
2587BR	02/15/89	1	0.0614 J	0.050 U	0.001 U	0.1269 J	0.002 U	0.005 U	124.3472	0.005 U	0.009 U
2587BR	05/08/89	2	0.0387 J	0.0500 U	.001 U	0.1420 J	0.0020 U	0.0050 U	129.6354	.200 U	0.0090 U
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3687BR	11/06/87	4	0.0327	NR	NR	0.1858	NR	NR	98.4384	NR	0.0100 U
3687BR	03/09/88	1	0.0290 U	0.02 U	0.005 U	0.1700	0.005 U	0.001 U	110.3891	0.02 U	0.0100 U
3687BR	05/04/88	2	0.0680	0.0340 U	0.005 U	0.1176	0.0010 U	0.0050 U	104.1592	0.02 U	0.0220
3687BR	08/19/88	3	0.0290 U	0.0340 U	0.005 U	0.1435	0.0010 U	0.0050 U	112.5575	0.020 U	0.0154
3687BR	11/10/88	4	0.0294	0.0340 U	0.005 U	0.1669	0.0010 U	0.0050 U	111.3045	0.02 U	0.0100 U
3687BR	02/15/89	1	0.0249 J	0.050 U	0.001 U	0.2179	0.002 U	0.005 U	123.4178	0.005 U	0.009 U
3687BR	05/08/89	2	0.0221 J	0.0500 U	.001 U	0.2216	0.0020 U	0.0050 U	116.3145	.200 U	0.0090 U

UNWEATHERED SANDSTONE

3486	03/17/87	1	0.0290 U	0.06 U	0.01 U	0.0288	0.005 U	0.005 U	241.5299	0.2 U	0.0100 U
3486	04/06/87	1	0.0290 U	0.06 U	0.0100 U	0.0878	0.005 U	0.0050 U	236.2398	0.2 U	0.0100 U
3486	06/02/87	2	0.0334	0.06 U	0.01 U	0.0247	0.005 U	0.005 U	235.2524	0.2 U	0.0114
3486	07/28/87	3	0.0524	0.02 U	0.005 U	0.0354	0.005 U	0.001 U	242.3112	0.02 U	0.0100 U
3486	10/16/87	4	0.0290 U	0.02 U	0.002 J	0.0308	0.005 U	0.001 U	209.5497	0.02 U	0.0120
3486	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

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Dissolved Metals Ground-Water Sampling Results

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Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
2387BR	11/04/88	4	0.0220 U	0.0063 U	0.0238	0.005 U	NR	12.9893	0.0178	0.0002 U	0.0220 U
2387BR	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	02/07/89	1	0.029 U	0.004 U	0.035 U	0.001 U	NR	12.9433	0.0043 J	0.0002 U	0.027 U
2387BR	05/03/89	2	0.0290 U	0.0040 U	0.0350 U	0.001 U	NR	12.9947	0.0046 J	.0002 U	0.0270 U
2587BR	09/10/87	3	0.0220 U	0.0063 U	0.0069 U	0.005 U	0.01 J	8.5770	0.7061	0.0002 U	0.0227
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	10/21/87	4	0.0220 U	0.0063 U	4.3470	NR	NR	8.0261	0.3485	NR	0.0220 U
2587BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	10/27/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	03/03/88	1	0.0220 U	0.0063 U	0.0171	0.005 U	0.1 U	7.8072	0.0051 U	0.0002 U	0.0220 U
2587BR	05/12/88	2	0.0220 U	0.0126	0.0220	0.005 U	NR	7.3872	0.0051 U	0.0002 U	0.0220 U
2587BR	08/16/88	3	0.0220 U	0.0063 U	0.0189	0.005 U	NR	7.4560	0.0051 U	0.0002 U	0.0220 U
2587BR	08/16/88	3	0.0220 U	0.0063 U	0.0319	0.005* U	NR	7.1069	0.0051 U	0.0002 U	0.0220 U
2587BR	11/10/88	4	0.0220 U	0.0063 U	0.0670	0.005 U	NR	7.6568	0.0051 U	0.0002 U	0.0220 U
2587BR	02/15/89	1	0.029 U	0.004 U	0.0767 J	0.0111	NR	8.7065	0.0023 J	0.0002 U	0.027 U
2587BR	05/08/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	9.2948	0.0020 U	.0002 U	0.0270 U
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3687BR	11/06/87	4	0.0220 U	0.0109	0.0261	NR	NR	9.6752	0.3544	NR	0.0220 U
3687BR	03/09/88	1	0.0220 U	0.0063 U	0.0122	0.005 U	0.1 U	8.5566	0.0916	0.0002 U	0.0220 U
3687BR	05/04/88	2	0.0220 U	0.0065	0.0303	0.005 U	NR	8.5449	0.0486	0.0002 U	0.0220 U
3687BR	08/19/88	3	0.0220 U	0.0063 U	0.0295	0.005 U	NR	8.6749	0.0499	0.0002 U	0.0220 U
3687BR	11/10/88	4	0.0220 U	0.0063 U	0.0118	0.005 U	NR	8.8751	0.0879	0.0002 U	0.0220 U
3687BR	02/15/89	1	0.029 U	0.004 U	0.0373 J	0.001 U	NR	10.3045	0.1653	0.0002 U	0.027 U
3687BR	05/08/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	10.3512	0.1255	.0002 U	0.0270 U

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3486	03/17/87	1	0.0220 U	0.0063 U	0.6726	0.005 U	NR	62.6727	0.0718	0.0002 U	0.0220 U
3486	04/06/87	1	0.0220 U	0.0063 U	0.4421	0.0050 U	NR	65.0379	0.1019	0.0002 U	0.0220 U
3486	06/02/87	2	0.0220 U	0.0096	1.0040	0.005 U	NR	72.6015	0.0159	0.0002 U	0.0220 U
3486	07/28/87	3	0.0220 U	0.0063 U	1.5312	0.005 U	NR	72.7323	0.1205	0.0002 U	0.0220 U
3486	10/16/87	4	0.0220 U	0.0063 U	1.4362	0.005 U	0.2	67.4890	0.1445	0.0001 J	0.0220 U
3486	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

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Dissolved Metals Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
2387BR	11/04/88	4	0.0370 U	1.2	0.005 U	0.0076 U	10.9816	0.6030	0.01 U	NR	0.0360 U
2387BR	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2387BR	02/07/89	1	0.0347 J	1.650 J	0.0011 J	0.004 U	9.5868	0.5680	0.001 U	NR	0.034 U
2387BR	05/03/89	2	0.0220 U	1.66 J	0.001 U	0.0040 U	10.2186	0.5537	0.001 U	NR	0.0340 U
2587BR	09/10/87	3	0.0370 U	3.9	0.005 U	0.0076 U	12.3185	0.3776	0.01 U	NR	0.0240 U
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	10/21/87	4	0.0370 U	NR	NR	0.0076 U	9.3252	0.3112	NR	NR	0.0401
2587BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	10/27/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2587BR	03/03/88	1	0.0370 U	1.1	0.005 U	0.0076 U	11.7683	0.2998	0.010 U	NR	0.0240 U
2587BR	05/12/88	2	0.0370 U	0.6	0.005 U	0.0076 U	11.0605	0.2345	0.01 U	NR	0.0360 U
2587BR	08/16/88	3	0.0370 U	NR	0.005 U	0.0076 U	12.8617	0.2766	0.010 U	NR	0.0360 U
2587BR	08/16/88	3	0.0370 U	0.5	0.005 U	0.0076 U	13.3006	0.2606	0.010 U	NR	0.0360 U
2587BR	11/10/88	4	0.0370 U	0.5 J	0.005 U	0.0076 U	11.4616	0.3155	0.01 U	NR	0.0360 U
2587BR	02/15/89	1	0.022 U	0.600 J	.0014 J	0.004 U	13.0472	0.3480	0.001 U	NR	0.034 U
2587BR	05/08/89	2	0.0220 U	1J	.001 U	0.0040 U	12.6046	0.3801	.001 U	NR	0.0340 U
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3687BR	11/06/87	4	0.0548	NR	NR	0.0076 U	11.0671	0.3658	NR	NR	0.0240 U
3687BR	03/09/88	1	0.0370 U	0.7	0.005 U	0.0076 U	9.3131	0.2984	0.01 U	NR	0.0240 U
3687BR	05/04/88	2	0.0370 U	0.9	0.005 U	0.0076 U	9.4793	0.2872	0.01 U	NR	0.0360 U
3687BR	08/19/88	3	0.0370 U	0.9	0.005 U	0.0076 U	8.8509	0.2950	0.010 U	NR	0.0360 U
3687BR	11/10/88	4	0.0370 U	0.9	0.005 U	0.0076 U	9.2711	0.3325	0.01 U	NR	0.0360 U
3687BR	02/15/89	1	0.0347 J	1.500 J	.0011 J	0.004 U	14.2014	0.4245	0.001 U	NR	0.034 U
3687BR	05/08/89	2	0.0220 U	1.85 J	.001 U	0.0040 U	11.9917	0.4332	.001 U	NR	0.0340 U

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3486	03/17/87	1	0.0370 U	8.6	0.005 U	0.0076 U	227.7501	2.8304	0.01 U	NR	0.0240 U
3486	04/06/87	1	0.0370 U	8.0	0.005 U	0.0076 U	220.6902	2.8040	0.0100 U	NR	0.0240 U
3486	06/02/87	2	0.0370 U	8.2	0.005 U	0.0076 U	221.9862	2.8541	0.01 U	NR	0.0240 U
3486	07/28/87	3	0.0370 U	3.2	0.005 U	0.0076 U	231.0510	2.9499	0.01 U	NR	0.245
3486	10/16/87	4	0.0370 U	10.9	0.005 U	0.0076 U	221.9791	2.7239	0.01 U	NR	0.0240 U
3486	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

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WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
2387BR	11/04/88	4	0.0237
2387BR	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2387BR	02/07/89	1	0.0082 J
2387BR	05/03/89	2	0.0080 U
2587BR	09/10/87	3	0.0200 U
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2587BR	10/21/87	4	0.0886
2587BR	10/21/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2587BR	10/27/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2587BR	03/03/88	1	0.0200 U
2587BR	05/12/88	2	0.0200 U
2587BR	08/16/88	3	0.0200 U
2587BR	08/16/88	3	0.0264
2587BR	11/10/88	4	0.0991
2587BR	02/15/89	1	0.0195 J
2587BR	05/08/89	2	0.0080 U
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3687BR	11/06/87	4	0.0365
3687BR	03/09/88	1	0.0225
3687BR	05/04/88	2	0.0200 U
3687BR	08/19/88	3	0.0200 U
3687BR	11/10/88	4	0.0227
3687BR	02/15/89	1	0.0300
3687BR	05/08/89	2	0.0080 U

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3486	03/17/87	1	0.06
3486	04/06/87	1	0.08
3486	06/02/87	2	0.0200 U
3486	07/28/87	3	0.02004
3486	10/16/87	4	0.0200 U
3486	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
3486	03/02/88	1	0.1729	0.02 U	0.004 J	0.1216	0.005 U	0.001 U	18.6393	0.020 U	0.0100 U
3486	05/02/88	2	0.0290 U	0.0340 U	0.005 U	0.0271	0.0010 U	0.0050 U	207.6940	0.02 U	0.0100 U
3486	08/10/88	3	0.0290 U	0.1059	0.005 U	0.0234	0.0010 U	0.0050 U	222.3501	0.02 U	0.0152
3486	11/04/88	4	0.0379	0.0728	NR	0.0276	0.0010 U	0.0050 U	233.7848	0.02 U	0.0100 U
3486	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3486	02/09/89	1	0.0193 J	0.050 U	0.00248 U	0.0219 J	0.002 U	0.005 U	220.7841	0.005 U	0.0167
3486	05/03/89	2	0.0452 J	0.0500 U	.0014 J	0.0278 J	0.0020 U	0.0050 U	224.1221	0.200 U	0.0090 U
4086	05/06/87	1	0.4668	0.06 U	0.0100 U	0.0719	0.005 U	0.0050 U	152.5210	0.2 U	0.0100 U
4086	06/01/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	07/21/87	3	DRY								
4086	10/26/87	4	0.0561	0.02 U	0.005 U	0.0729	0.005 U	0.0003 J	75.2480	0.02 U	0.0270
4086	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	03/10/88	1	0.0290 U	0.02 U	0.005 U	0.0540	0.005 U	0.004	76.2347	0.02 U	0.0100 U
4086	05/12/88	2	0.0290 U	0.0340 U	0.005 U	0.0476	0.0010 U	0.0050 U	67.6288	0.02 U	0.0100 U
4086	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	05/10/89	2	0.0329 J	0.0500 U	.001 U	0.0621 J	0.0020 U	0.0050 U	82.9747	.200 U	0.0090 U
1687BR	09/10/87	3	0.0290 U	0.02 U	0.005 U	0.0613	0.005 U	0.001 U	26.8178	0.02 U	0.0100 U
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1687BR	10/16/87	4	0.0876	NR	NR	0.0354	NR	NR	20.5145	NR	0.0278
1687BR	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1687BR	02/29/88	1	0.0814	0.02 U	0.004 J	0.0786	0.005 U	0.001 U	18.4820	0.02 U	0.0100 U
1687BR	04/21/88	2	0.0485	0.0340 U	0.003 J	0.0456	0.0010 U	0.0050 U	24.7026	0.02 U	0.0100 U
1687BR	08/09/88	3	0.0433	0.0340 U	0.005 U	0.0280	0.0010 U	0.0050 U	26.4029	0.02 U	0.0114
1687BR	10/31/88	4	0.0474	0.0340 U	0.005 U	0.0423	0.0010 U	0.0050 U	25.5930	0.02 U	0.0121
1687BR	02/07/89	1	0.0455 J	0.050 U	.0028 J	0.0442 J	0.002 U	0.005 U	29.3102	0.005 U	0.0123
1687BR	05/01/89	2	0.0296 J	0.0500 U	.0028 J	0.0447 J	0.0020 U	0.0050 U	28.8328	.200 U	0.0090 U
1887BR	10/27/87	4	DRY								
1887BR	03/07/88	1	0.0879	0.02 U	0.003 J	0.1084	0.005 U	0.001 U	12.3260	0.020 U	0.0118
1887BR	05/02/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	08/15/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

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Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
3486	03/02/88	1	0.0220 U	0.0092	0.1353	0.005 U	0.1 U	2.0699	0.0070	0.0002 U	0.0509
3486	05/02/88	2	0.0220 U	0.0124	1.5495	0.005 U	NR	92.1996	0.0892	0.0002 U	0.0220 U
3486	08/10/88	3	0.0220 U	0.0098	1.5950	0.005 U	NR	70.8170	0.1059	0.0002 U	0.0220 U
3486	11/04/88	4	0.0220 U	0.0063 U	2.1817	0.005 U	NR	68.6772	0.1348	0.0002 U	0.0220 U
3486	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3486	02/09/89	1	0.029 U	0.004 U	2.1491	0.0011 J	NR	73.7748	0.0957	0.0002 U	0.027 U
3486	05/03/89	2	0.0290 U	0.0040 U	2.1654	0.001 U	NR	71.7062	0.1232	.0002 U	0.0270 U
4086	05/06/87	1	0.0220 U	0.0130	0.2441	0.0050 U	NR	31.2705	0.5351	0.0002 U	0.1035
4086	06/01/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	07/21/87	3	DRY								
4086	10/26/87	4	0.0220 U	0.0092	0.0955	0.005 U	0.04 J	17.0217	0.1816	0.0002 U	0.0497
4086	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	03/10/88	1	0.0220 U	0.0063 U	0.0227	0.005 U	0.1 U	17.6838	0.0432	0.0002 U	0.0256
4086	05/12/88	2	0.0220 U	0.0101	0.0228	0.005 U	NR	18.6570	0.0125	0.0002 U	0.0220 U
4086	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	05/10/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	18.6160	0.0052 J	.0002 U	0.0270 U
1687BR	09/10/87	3	0.0220 U	0.0063 U	0.0069 U	0.005 U	0.03 J	1.7309	0.0051 U	0.0002 U	0.0367
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1687BR	10/16/87	4	0.0220 U	0.0063 U	0.1371	NR	NR	2.6440	0.0051 U	NR	0.0250
1687BR	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1687BR	02/29/88	1	0.0220 U	0.0074	0.0644	0.005 U	0.05 J	3.5174	0.0051 U	0.0002 U	0.0295
1687BR	04/21/88	2	0.0220 U	0.0063 U	0.0186	0.005 U	0.1 U	4.7883	0.0051 U	0.0002 U	0.0220 U
1687BR	08/09/88	3	0.0220 U	0.0108	0.0219	0.005 U	NR	4.9487	0.0072	0.0002 U	0.0225
1687BR	10/31/88	4	0.0220 U	0.0063 U	0.0131	NR	NR	4.9047	0.0051 U	0.0002 U	0.0228
1687BR	02/07/89	1	0.029 U	0.004 U	0.0652 J	0.001 U	NR	6.0696	0.0063 J	0.0002 U	0.027 U
1687BR	05/01/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	5.9691	0.0057 J	.0002 U	0.0270 U
1887BR	10/27/87	4	DRY								
1887BR	03/07/88	1	0.0220 U	0.0379	0.0631	0.005 U	0.1 U	1.1415	0.1154	0.0002 U	0.0286
1887BR	05/02/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	08/15/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

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Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
3486	03/02/88	1	0.0370 U	3.1	0.005 U	0.0076 U	76.7449	0.2005	0.010 U	NR	0.0240 U
3486	05/02/88	2	0.0370 U	8.9	0.005 U	0.0076 U	232.1001	2.8410	0.01 U	NR	0.0360 U
3486	08/10/88	3	0.0370 U	8.7	0.005 U	0.0076 U	223.8332	2.6631	0.01 U	NR	0.0360 U
3486	11/04/88	4	0.0370 U	7.5	NR	0.0076 U	224.1979	3.1113	0.01 U	NR	0.0360 U
3486	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3486	02/09/89	1	0.022 U	7.950	0.001 U	0.004 U	226.5604	3.0086	0.001 U	NR	0.034 U
3486	05/03/89	2	0.0220 U	7.79	0.001 U	0.0040 U	223.6102	2.9861	0.001 U	NR	0.0340 U
4086	05/06/87	1	0.0551	6.0	0.005 U	0.0076 U	134.5506	1.4881	0.0100 U	NR	0.0240 U
4086	06/01/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	07/21/87	3	DRY								
4086	10/26/87	4	0.0468	3.9	0.005	0.0076 U	101.0152	0.8204	0.01 U	NR	0.0240 U
4086	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	03/10/88	1	0.0370 U	5.3	0.004 J	0.0291	99.9352	0.8327	0.01 U	NR	0.0240 U
4086	05/12/88	2	0.0378	3.8	0.005 U	0.0076 U	90.0279	0.7155	0.01 U	NR	0.0360 U
4086	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4086	05/10/89	2	0.0324 J	5.210	.220 J	0.0040 U	110.4148	0.8904	.001 U	NR	0.0340 U
1687BR	09/10/87	3	0.0370 U	5.6	0.005 U	0.0076 U	61.3752	0.2202	0.01 U	NR	0.0240 U
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1687BR	10/16/87	4	0.0370 U	NR	NR	0.0076 U	60.8289	0.2522	NR	NR	0.0256
1687BR	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1687BR	02/29/88	1	0.0370 U	8.1	0.002 J	0.0076 U	67.6220	0.2834	0.01 U	NR	0.0240 U
1687BR	04/21/88	2	0.0370 U	4.2	0.004 J	0.0076 U	66.4353	0.3042	0.01 U	NR	0.0360 U
1687BR	08/09/88	3	0.0370 U	4.0	0.005 U	0.0076 U	72.4248	0.2867	0.01 U	NR	0.0360 U
1687BR	10/31/88	4	0.0370 U	4.0	0.005 U	0.0076 U	71.7637	0.3337	0.01 U	NR	0.0360 U
1687BR	02/07/89	1	0.022 U	3.250 J	.0014 J	0.004 U	73.5594	0.3652	0.001 U	NR	0.034 U
1687BR	05/01/89	2	0.0220 U	3.150 J	.001 U	0.0040 U	70.4771	0.3453	.001 U	NR	0.0340 U
1887BR	10/27/87	4	DRY								
1887BR	03/07/88	1	0.0661	0.8	0.003 J	0.0103	22.8139	0.1107	0.010 U	NR	0.0240 U
1887BR	05/02/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	08/15/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
3486	03/02/88	1	0.0340
3486	05/02/88	2	0.0200 U
3486	08/10/88	3	0.0875
3486	11/04/88	4	0.0200 U
3486	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3486	02/09/89	1	0.008 U
3486	05/03/89	2	0.0080 U
4086	05/06/87	1	0.05
4086	06/01/87	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4086	07/21/87	3	DRY
4086	10/26/87	4	0.0229
4086	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4086	03/10/88	1	0.0269
4086	05/12/88	2	0.0380
4086	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4086	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
4086	05/10/89	2	0.0080 U
1687BR	09/10/87	3	0.0200 U
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1687BR	10/16/87	4	0.0200 U
1687BR	10/16/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1687BR	02/29/88	1	0.0200 U
1687BR	04/21/88	2	0.0200 U
1687BR	08/09/88	3	0.0200 U
1687BR	10/31/88	4	0.0242
1687BR	02/07/89	1	0.017 J
1687BR	05/01/89	2	0.0080 U
1887BR	10/27/87	4	DRY
1887BR	03/07/88	1	0.0279
1887BR	05/02/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1887BR	08/15/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS

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Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
1887BR	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	02/07/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	03/03/88	1	0.2556	0.02 U	0.007	0.0246	0.005 U	0.001 U	18.8844	0.020 U	0.0100 U
2087BR	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	08/11/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	02/07/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2287BR	03/07/88	1	0.0406	0.02 U	0.004 J	0.0594	0.005 U	0.001 U	30.2374	0.020 U	0.0115
2287BR	05/02/88	2	0.0376	0.0340 U	0.005 U	0.0343	0.0010 U	0.0050 U	34.1294	0.02 U	0.0100 U
2287BR	08/10/88	3	0.0344	0.0340 U	0.003 J	0.0363	0.0010 U	0.0050 U	44.8694	0.02 U	0.0100 U
2287BR	11/09/88	4	0.0476	0.0340 U	0.003 J	0.0411	0.0010 U	0.0050 U	49.0811	NR	0.0100 U
2287BR	02/09/89	1	0.01944 J	0.050 U	.0045 J	0.0411 J	0.002 U	0.005 U	54.2755	0.005 U	0.0106
2287BR	05/03/89	2	0.0545 J	0.0500 U	.0033 J	0.0428 J	0.0020 U	0.0050 U	57.4716	0.200 U	0.0090 U
2887BR	03/14/88	1	0.0290 U	0.02 U	0.004 J	0.0238	0.005 U	0.001	13.1315	0.02 U	0.0100 U
2887BR	05/12/88	2	0.2705	0.0340 U	0.005 U	0.0913	0.0010 U	0.0050 U	19.9311	0.02 U	0.0100 U
2887BR	08/22/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2887BR	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2887BR	02/20/89	1	0.0918 J	0.050 U	0.0022 J	0.042 J	0.002 U	0.005 U	35.1215	0.005 U	0.0151
2887BR	05/08/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3087BR	01/22/88	4	0.0833	0.02 U	0.040	0.0308	0.005 U	0.001 U	17.5065	0.02 U	0.0100 U
3087BR	03/02/88	1	0.0646	0.02 U	0.013	0.0626	0.005 U	0.001 U	16.8116	0.02 U	0.0100 U
3087BR	04/21/88	2	0.0328	0.0340 U	0.006	0.0534	0.0010 U	0.0050 U	18.9773	0.02 U	0.0100 U
3087BR	08/08/88	3	0.0290 U	0.0340 U	0.005 U	0.0984	0.0010 U	0.0050 U	19.3281	0.02 U	0.0100 U
3087BR	08/09/88	3	0.0290 U	0.0340 U	0.005 U	0.0982	0.0010 U	0.0050 U	19.8977	0.02 U	0.0100 U
3087BR	10/26/88	4	0.0440	0.0340 U	0.002 J	0.1002	0.0010 U	0.0050 U	19.8733	0.02 U	0.0100 U
3087BR	10/27/88	4	0.0414	0.0340 U	0.002 J	0.1021	0.0010 U	0.0050 U	20.9740	0.02 U	0.0100 U
3087BR	02/01/89	1	0.015 U	0.050 U	.0017 J	0.0847 J	.0022 J	0.005 U	17.9101	0.005 U	0.009 U
3087BR	04/24/89	2	0.0259 J	0.0500 U	.0013 J	0.1088 J	0.0020 U	0.0050 U	20.1560	.200 U	0.0090 U

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UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
1887BR	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	02/07/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	03/03/88	1	0.0220 U	0.0070	0.0344	0.005 U	0.1 U	0.0342	0.0051 U	0.0002 U	0.0570
2087BR	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	08/11/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	02/07/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2287BR	03/07/88	1	0.0220 U	0.0063 U	0.0230	0.005 U	0.1 U	6.4239	0.0319	0.0002 U	0.0843
2287BR	05/02/88	2	0.0220 U	0.0122	0.0423	0.005 U	NR	7.8109	0.0439	0.0002 U	0.0764
2287BR	08/10/88	3	0.0220 U	0.0179	0.0151	0.005 U	NR	10.9422	0.0372	0.0002 U	0.0657
2287BR	11/09/88	4	0.0220 U	0.0063 U	0.0080	NR	NR	12.5151	0.0426	0.0002 U	0.0582
2287BR	02/09/89	1	0.029 U	0.004 U	0.0351 J	0.001 U	NR	16.8731	0.0651	0.0002 U	0.0545
2287BR	05/03/89	2	0.0290 U	0.0040 U	0.0350 U	0.001 U	NR	17.5397	0.0452	.0002 U	0.0384 J
2887BR	03/14/88	1	0.0220 U	0.0063 U	0.0143	0.005 U	0.1 U	1.7166	0.0092	0.0002 U	0.0251
2887BR	05/12/88	2	0.0220 U	0.0463	0.1786	0.005 U	NR	3.1309	0.0304	0.0002 U	0.1347
2887BR	08/22/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2887BR	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2887BR	02/20/89	1	0.029 U	0.0127 J	0.0983 J	0.001 U	NR	6.2484	0.0295	0.0002 U	0.0902
2887BR	05/08/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3087BR	01/22/88	4	0.0220 U	0.0063 U	0.0414	0.005 U	0.1 U	2.2105	0.0060	0.0002 U	0.0220 U
3087BR	03/02/88	1	0.0220 U	0.0063 U	0.0167	0.005 U	0.1 U	1.9955	0.0071	0.0002 U	0.0248
3087BR	04/21/88	2	0.0220 U	0.0063 U	0.0679	0.005 U	0.1 U	2.9272	0.0087	0.0002 U	0.0220 U
3087BR	08/08/88	3	0.0220 U	0.0063 U	0.0090	0.005 U	NR	3.1945	0.0124	0.0002 U	0.0220 U
3087BR	08/09/88	3	0.0220 U	0.0063 U	0.0109	0.005 U	NR	3.2862	0.0124	0.0002 U	0.0220 U
3087BR	10/26/88	4	0.0220 U	0.0063 U	0.0097	0.009	NR	3.3230	0.0112	0.0002 U	0.0220 U
3087BR	10/27/88	4	0.0220 U	0.0063 U	0.0116	0.005 U	NR	3.4157	0.0122	0.0002 U	0.0220 U
3087BR	02/01/89	1	0.029 U	0.020 J	0.0392 J	0.001 U	NR	2.8943 J	0.0117 J	0.0002 U	0.027 U
3087BR	04/24/89	2	0.0290 U	0.0040 U	0.0350 U	.210 J	NR	3.5351 J	0.0127 J	.0002 U	0.0270 U

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
1887BR	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	02/07/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
1887BR	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	03/03/88	1	0.0370 U	28	0.004 J	0.0076 U	84.4416	0.4473	0.010 U	NR	0.0377
2087BR	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	08/11/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	02/07/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2087BR	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2287BR	03/07/88	1	0.0372	14	0.005 U	0.0076 U	88.6237	0.4659	0.010 U	NR	0.0261
2287BR	05/02/88	2	0.0370 U	13.3	0.005 U	0.0076 U	100.1605	0.4906	0.01 U	NR	0.0360 U
2287BR	08/10/88	3	0.0370 U	15	0.005 U	0.0076 U	126.4044	0.6219	0.01 U	NR	0.0360 U
2287BR	11/09/88	4	0.0370 U	9.2	0.005 U	0.0076 U	135.7162	0.7709	NR	NR	0.0360 U
2287BR	02/09/89	1	0.022 U	10.7	0.001 U	0.0064 J	148.1065	0.8774	0.001 U	NR	0.034 U
2287BR	05/03/89	2	0.0220 U	8.88	0.001 U	0.0040 U	149.9117	0.8948	0.001 U	NR	0.0340 U
2887BR	03/14/88	1	0.0370 U	14	0.003 J	0.0076 U	19.3060	0.1373	0.01 U	NR	0.0240 U
2887BR	05/12/88	2	0.0370 U	5.2	0.005 U	0.0076 U	92.0039	0.2427	0.01 U	NR	0.0992
2887BR	08/22/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2887BR	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
2887BR	02/20/89	1	0.022 U	5.6	0.002 J	0.004 U	142.8783	0.4937	0.001 U	NR	0.034 U
2887BR	05/08/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3087BR	01/22/88	4	0.0370 U	5.3	0.005 U	0.0076 U	85.6715	0.2057	0.01 U	NR	0.0240 U
3087BR	03/02/88	1	0.0370 U	4.9	0.005 U	0.0076 U	120.1536	0.2415	0.01 U	NR	0.0244
3087BR	04/21/88	2	0.0370 U	3.7	0.005 U	0.0076 U	132.7649	0.2789	0.01 U	NR	0.0360 U
3087BR	08/08/88	3	0.0370 U	3.1	0.005 U	0.0076 U	134.1108	0.2764	0.01 U	NR	0.0360 U
3087BR	08/09/88	3	0.0379	3.3	0.005 U	0.0076 U	137.3927	0.2832	0.01 U	NR	0.0360 U
3087BR	10/26/88	4	0.0370 U	4.0	0.005 U	0.0076 U	140.4968	0.3246	0.01 U	NR	0.0360 U
3087BR	10/27/88	4	0.0370 U	4.3	0.005 U	00.0076 U	142.5761	0.3312	0.01 U	NR	0.0360 U
3087BR	02/01/89	1	0.022 U	2.900 J	0.001 U	0.004 U	118.5577	0.2621	0.001 U	NR	0.034 U
3087BR	04/24/89	2	0.0252 J	3.080 J	.100	0.0040 U	140.0369	0.3149	.100 U	NR	0.0340 U

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Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l
1887BR	01/03/89	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1887BR	02/07/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
1887BR	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2087BR	03/03/88	1	0.0252
2087BR	05/09/88	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2087BR	08/11/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2087BR	11/08/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2087BR	02/07/89	1	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2087BR	05/03/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2287BR	03/07/88	1	0.0339
2287BR	05/02/88	2	0.0200 U
2287BR	08/10/88	3	0.0309
2287BR	11/09/88	4	0.0200 U
2287BR	02/09/89	1	0.0080 U
2287BR	05/03/89	2	0.0080 U
2887BR	03/14/88	1	0.0200 U
2887BR	05/12/88	2	0.0489
2887BR	08/22/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2887BR	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
2887BR	02/20/89	1	0.0364
2887BR	05/08/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS
3087BR	01/22/88	4	0.0280
3087BR	03/02/88	1	0.0224
3087BR	04/21/88	2	0.0200 U
3087BR	08/08/88	3	0.0200 U
3087BR	08/09/88	3	0.0200 U
3087BR	10/26/88	4	0.0228
3087BR	10/27/88	4	0.0244
3087BR	02/01/89	1	0.008 U
3087BR	04/24/89	2	0.0080 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
3187BR	10/28/87	4	0.2634	NR	NR	0.0562	NR	NR	15.3345	NR	0.0260
3187BR	10/28/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3187BR	03/10/88	1	0.0864	0.02 U	0.019	0.0146	0.005 U	0.0025	21.9756	0.02 U	0.0100 U
3187BR	05/12/88	2	0.2029	0.0340 U	0.008	0.0472	0.0010 U	0.0050 U	20.2619	0.02 U	0.0100 U
3187BR	08/25/88	3	0.0419	0.0340 U	0.0053	0.0408	0.0010 U	0.0050 U	22.0879	0.020 U	0.0100 U
3187BR	11/22/88	4	0.1283	0.0340 U	0.004 J	0.0224	0.0010 U	0.0050 U	21.8225	0.02 U	0.0100 U
3187BR	02/22/89	1	0.0165 J	0.050 U	.0047 J	0.0179 J	0.002 U	0.005 U	19.2669	0.005 U	0.009 U
3187BR	05/10/89	2	0.0291 J	0.0500 U	.003 J	0.0193 J	0.0020 U	0.0050 U	20.0689	.200 U	0.0090 U
3487BR	03/09/88	1	0.0290 U	0.02 U	0.007	0.0424	0.005 U	0.001 U	192.5822	0.02 U	0.0123
3487BR	05/12/88	2	0.1194	0.0340 U	0.005 U	0.0486	0.0010 U	0.0050 U	19.3843	0.02 U	0.0109
3487BR	05/12/88	2	0.1204	0.0340 U	0.005 U	0.0463	0.0010 U	0.0050 U	17.8546	0.02 U	0.0111
3487BR	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	09/28/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	02/20/89	1	0.0442 J	0.050 U	.0024 J	0.0441 J	0.002 U	0.005 U	15.7051	0.005 U	0.009 U
3487BR	05/10/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4587BR	11/23/87	4	0.1306	0.02 U	0.004 J	0.1658	0.005 U	0.0058	19.7961	0.02 U	0.0100 U
4587BR	11/23/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4587BR	02/25/88	1	0.0357	0.02 U	0.003 J	0.0829	0.005 U	0.001 U	26.9376	0.02 U	0.0100 U
4587BR	04/18/88	2	0.0360	0.0340 U	0.005 U	0.0569	0.0010 U	0.0050 U	29.3511	0.02 U	0.0109
4587BR	07/21/88	3	0.0290 U	0.0340 U	0.005 U	0.0380	0.0010 U	0.0050 U	34.3743	0.020 U	0.0100 U
4587BR	10/17/88	4	0.0353	0.0340 U	0.005 U	0.0701	0.0010 U	0.0050 U	37.0820	0.02 U	0.0100 U
4587BR	01/23/89	1	.0232 U A	0.050 U V	0.001 U R	.0622 V	0.002 U V	0.005 U R	40.2 V	0.005 U V	0.009 U V
4587BR	04/19/89	2	0.0150 U	0.0500 U	.0025 U	0.6456 J	0.0020 U	0.0050 U	40.1314	0.200 U	0.0090 U
4587BR	06/13/89	2	.200 U V	.0600 U V	.0100 U A	.200 U A	.0050 U A	.0052 A	43.70 A	1U V	.0100 U A

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Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
3187BR	10/28/87	4	0.0220 U	0.0141	0.1701	NR	NR	0.1157	0.0051 U	NR	0.0568
3187BR	10/28/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3187BR	03/10/88	1	0.0220 U	0.0063 U	0.0371	0.005 U	0.1 U	0.1307	0.0051 U	0.0002 U	0.0464
3187BR	05/12/88	2	0.0220 U	0.0121	0.0906	0.005 U	NR	0.3730	0.0051 U	0.0002 U	0.0408
3187BR	08/25/88	3	0.0220 U	0.0106	0.0239	0.005 U	NR	0.7221	0.0051 U	0.0002 U	0.0440
3187BR	11/22/88	4	0.0220 U	0.0063 U	0.1436	0.005 U	NR	1.0221	0.0051 U	0.0002 U	0.0309
3187BR	02/22/89	1	0.029 U	0.004 U	0.0371 J	0.001 U	NR	1.1088 J	0.0024 J	0.0002 U	0.027 U
3187BR	05/10/89	2	0.0290 U	0.0040 U	0.0350 U	.001 U	NR	1.3554 J	0.0023 B	.0002 U	0.0276 J
3487BR	03/09/88	1	0.0220 U	0.0063 U	0.9745	0.005 U	0.22	63.8066	0.1477	0.0002 U	0.0243
3487BR	05/12/88	2	0.0220 U	0.0125	0.0874	0.005 U	NR	2.9255	0.0105	0.0002 U	0.0323
3487BR	05/12/88	2	0.0220 U	0.0128	0.0802	0.005 U	NR	2.8998	0.0106	0.0002 U	0.0358
3487BR	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	09/28/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	02/20/89	1	0.029 U	0.0044 J	0.0764 J	0.001 U	NR	4.114 J	0.0099 J	0.0002 U	0.027 U
3487BR	05/10/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4587BR	11/23/87	4	0.0220 U	0.0133	0.0899	0.005 U	NR	2.3647	0.0493	0.0002	0.0650
4587BR	11/23/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4587BR	02/25/88	1	0.0220 U	0.0063	0.0286	0.005 U	0.06 J	5.2957	0.1277	0.0002 U	0.0582
4587BR	04/18/88	2	0.0220 U	0.0096	0.1218	0.005 U	0.06 J	7.0306	0.2899	0.0002 U	0.0567
4587BR	07/21/88	3	0.0220 U	0.0063 U	0.0264	0.005 U	NR	8.7134	0.3414	NR	0.0270
4587BR	10/17/88	4	0.0220 U	0.0063 U	0.0310	0.005 U	NR	9.0033	0.4031	0.0002 U	0.0220 U
4587BR	01/23/89	1	0.029 U V	0.004 U V	0.035 U V	0.001 U V	NR	10.2 V	0.4 V	0.0002 U A	0.027 U V
4587BR	04/19/89	2	0.0290 U	0.0040 U	0.0350 U	0.001 U	NR	9.8013	0.3969	.0002 U	0.0270 U
4587BR	06/13/89	2	.0500 U R	.0250 U R	.100 U V	.0050 U A	.100 U V	13.30 A	.332 V	.0002 U V	.100 U V

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
3187BR	10/28/87	4	0.0370 U	NR	NR	0.0076 U	78.5306	0.1768	NR	NR	0.1137
3187BR	10/28/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3187BR	03/10/88	1	0.0370 U	4.3	0.005 U	0.0076 U	67.1358	0.1962	0.01 U	NR	0.0240 U
3187BR	05/12/88	2	0.0370 U	3.0	0.005 U	0.0076 U	69.2078	0.1697	0.01 U	NR	0.0360 U
3187BR	08/25/88	3	0.0370 U	3.0	0.005 U	0.0076 U	72.9478	0.2119	0.010 U	NR	0.0360 U
3187BR	11/22/88	4	0.0370 U	2.2	0.005 U	0.0076 U	80.6209	0.2277	0.01 U	NR	0.0360 U
3187BR	02/22/89	1	0.022 U	2.45 J	0.001 U	0.004 U	70.2818	0.1968 J	0.001 U	NR	0.034 U
3187BR	05/10/89	2	0.0220 U	3.260 J	.001 U	0.0040 U	76.4808	0.2119	.001 U	NR	0.0340 U
3487BR	03/09/88	1	0.0370 U	7.6	0.005 U	0.0076 U	219.1568	2.5972	0.01 U	NR	0.0240 U
3487BR	05/12/88	2	0.0370 U	2.5	0.005 U	0.0076 U	74.7950	0.2137	0.01 U	NR	0.0360 U
3487BR	05/12/88	2	0.0370 U	2.5	0.005 U	0.0076 U	67.5259	0.1978	0.01 U	NR	0.0360 U
3487BR	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	09/28/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
3487BR	02/20/89	1	0.022 U	2.8 J	0.001 U	0.004 U	78.442	0.2345	0.001 U	NR	0.034 U
3487BR	05/10/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4587BR	11/23/87	4	0.0370 U	NR	0.003 J	0.0076 U	34.6104	0.2063	0.01 U	NR	0.0240 U
4587BR	11/23/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS								
4587BR	02/25/88	1	0.0370 U	30	0.004 J	0.00764	60.7991	0.3238	0.01 U	NR	0.0240 U
4587BR	04/18/88	2	0.0388	20.0	0.004 J	0.0076 U	60.9966	0.3460	0.01 U	NR	0.0360 U
4587BR	07/21/88	3	0.0370 U	15.0	0.005 U	0.0076 U	69.9706	0.4038	0.010 U	NR	0.0360 U
4587BR	10/17/88	4	0.0370 U	11.4	0.005 U	0.0076 U	73.7159	0.4934	0.01 U	NR	0.0360 U
4587BR	01/23/89	1	0.022 U V	11.9 V	.0013 U A	0.004 U V	79.4 V	0.485 V	0.001 U V	NR	0.034 U V
4587BR	04/19/89	2	0.0284 J	8.59	.0014 J	0.0040 U	78.5067	0.4816	0.001 U	NR	0.0340 U
4587BR	06/13/89	2	.0400 U A	10 A	.0050 U A	.0100 U A	78.70 V	1U V	.0100 U A	.100 U V	.0500 U A

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Operable Unit No. 2

Dissolved Metals Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Zinc (Zn), diss. mg/l		
3187BR	10/28/87	4	0.0237		
3187BR	10/28/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS		
3187BR	03/10/88	1	0.0200	U	
3187BR	05/12/88	2	0.0258		
3187BR	08/25/88	3	0.0306		
3187BR	11/22/88	4	0.1041		
3187BR	02/22/89	1	0.0207		
3187BR	05/10/89	2	0.0080	U	
3487BR	03/09/88	1	0.0200	U	
3487BR	05/12/88	2	0.0334		
3487BR	05/12/88	2	0.0294		
3487BR	08/24/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS		
3487BR	09/28/88	3	INSUFFICIENT SAMPLE FOR METALS ANALYSIS		
3487BR	11/16/88	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS		
3487BR	02/20/89	1	0.0184	J	
3487BR	05/10/89	2	INSUFFICIENT SAMPLE FOR METALS ANALYSIS		
4587BR	11/23/87	4	0.0229		
4587BR	11/23/87	4	INSUFFICIENT SAMPLE FOR METALS ANALYSIS		
4587BR	02/25/88	1	0.0200	U	
4587BR	04/18/88	2	0.1214		
4587BR	07/21/88	3	0.0200	U	
4587BR	10/17/88	4	0.0346		
4587BR	01/23/89	1	.0127	U	A
4587BR	04/19/89	2	0.0080	U	
4587BR	06/13/89	2	.0298		A

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APPENDIX B-3

OTHER INORGANIC COMPOUNDS

GROUND-WATER SAMPLING RESULTS

Operable Unit No. 2

Inorganic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
3386	09/24/87	3	DRY						
3386	12/05/87	4	DRY						
3386	03/07/88	1	DRY						
3386	05/02/88	2	DRY						
3386	08/12/88	3	DRY						
3386	11/08/88	4	DRY						
3386	02/09/89	1	DRY						
3386	05/03/89	2	DRY						
3986	05/06/87	1	7.20	31.9	60.0	407	218	NR	1.0 U
3986	06/03/87	2	6.40	27.6	60.0	389	212	NR	1.0 U
3986	07/24/87	3	4.80	31.9	57.5	396	209	NR	1 U
3986	09/03/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3986	12/12/87	4	5.89	34.9	65.3	415	242	NR	NR
3986	03/09/88	1	7.11	33.5	42.4	429	134	NR	NR
3986	05/04/88	2	6.60	34.3	53.0	436	223	NR	NR
3986	08/19/88	3	5.86 J A	30.9 J A	53.1 J A	381 J A	241 J A	NR	NR
3986	11/10/88	4	5.77 V	40.1 V	64.6 A	412 A	219 A	NR	NR
3986	11/11/88	4	5.72 V	41.0 V	66.0 A	367 A	218 A	NR	NR
3986	02/15/89	1	4.82	35.6	64.8	437	233	NR	NR
3986	02/15/89	1	4.78	34.3	66.3	452	233	NR	NR
3986	05/08/89	2	4.83	34.5	53.4	406	235	NR	NR
3986	05/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4186	05/06/87	1	9.60	36.9	65.0	480	249	NR	1.0 U
4186	06/01/87	2	9.80	33.0	62.5	442	231	NR	1.0 U
4186	07/20/87	3	10.9	34.0	66.1	427	233	NR	1 U
4186	10/22/87	4	10.5	33.9	62.0	492	246	NR	NR
4186	10/22/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4186	12/16/87	4	0.02 U	947	58.0	1806	99.6	NR	NR
4186	03/10/88	1	13.6	32.1	78.5	460	126	NR	NR
4186	05/04/88	2	13.0	32.5	55.0	510	220	NR	NR
4186	08/24/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4186	11/22/88	4	6.69 V	10.9 V	70.1 A	474 A	261 A	NR	NR
4186	02/20/89	1	7.46	40.0	72.4	479	259	NR	NR
4186	05/10/89	2	7.89	40.0	59.6	482	278	NR	NR

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
4286	03/12/87	1	7.20	57.0	70.0	526	171	NR	1.0 U
4286	05/26/87	2	5.9	34.7	24.0	468	297	NR	1.0 U
4286	07/23/87	3	4.10	50.5	20.0	475	279	NR	1 U
4286	09/03/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4286	10/14/87	4	5.58	42.1	18.0	483	322	NR	NR
4286	03/03/88	1	4.76	37.0	26.6	465	183	NR	NR
4286	05/04/88	2	4.30	35.6	16.5	401	209	NR	NR
4286	08/25/88	3	0.02	33.3 J	16.8 J	268 J	170 J	NR	NR
4286	11/17/88	4	4.26 V	40.7 V	16.9 A	384 A	292 A	NR	NR
4286	11/18/88	4	4.17 V	40.3 V	17.2 A	439 A	295 A	NR	NR
4286	02/20/89	1	4.69	53.9	18.3	525	297	NR	NR
4286	05/08/89	2	4.39	49.5	18.4	476	321	NR	NR
4386	03/11/87	1	5.1	51.0	30.0	338	179	NR	1.0 U
4386	06/03/87	2	7.50	30.8	30.0	386	170	NR	1.0 U
4386	07/28/87	3	7.90	33.4	28.0	409	184	NR	1 U
4386	08/26/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4386	10/19/87	4	DRY						
4386	03/02/88	1	DRY						
4386	04/29/88	2	DRY						
4386	08/10/88	3	DRY						
4386	11/03/88	4	DRY						
4386	02/07/89	1	DRY						
4386	05/03/89	2	DRY						
1087	10/12/87	4	DRY						
1087	02/25/88	1	DRY						
1087	04/19/88	2	DRY						
1087	08/09/88	3	DRY						
1087	10/26/88	4	DRY						
1087	02/07/89	1	DRY						
1087	05/02/89	2	DRY						
1587	09/10/87	3	7.6	35.2	66	453	260	NR	1 U
1587	09/11/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1587	10/07/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
1587	10/08/87	4	9.1	56.7	15.5	487	261	NR	NR
1587	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1587	02/29/88	1	3.88	58.8	24.6	456	138	NR	NR
1587	04/20/88	2	4.82	48.1	25.8	437	244	NR	NR
1587	08/09/88	3	DRY						
1587	10/31/88	4	DRY						
1587	02/07/89	1	DRY						
1587	05/01/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1787	11/05/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1787	11/06/87	4	0.79	275	46.7	466	275	NR	NR
1787	03/03/88	1	0.97	42.5	26.9	439	166	NR	NR
1787	04/28/88	2	1.50	41.2	28.0	438	269	NR	NR
1787	05/09/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1787	08/15/88	3	1.94 J A	37.2 J A	83.0 R	410 J A	288 J A	NR	NR
1787	11/04/88	4	2.08 V	40.0 V	57.1 A	443 A	256 A	NR	NR
1787	01/03/89	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1787	02/07/89	1	2.35	34.1	22.7	437	257	NR	NR
1787	05/03/89	2	2.26	37.1	20.3	405	271	NR	NR
1987	11/19/87	4	DRY						
1987	03/03/88	1	DRY						
1987	04/28/88	2	DRY						
1987	08/11/88	3	DRY						
1987	11/07/88	4	DRY						
1987	02/09/89	1	DRY						
1987	05/03/89	2	DRY						
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2487	11/19/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2487	03/03/88	1	DRY						
2487	05/04/88	2	DRY						
2487	08/22/88	3	DRY						
2487	11/17/88	4	DRY						
2487	02/15/89	1	DRY						
2487	05/09/89	2	DRY						

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
2687	11/19/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2687	11/20/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2687	03/09/88	1	DRY						
2687	05/11/88	2	DRY						
2687	08/18/88	3	DRY						
2687	11/17/88	4	DRY						
2687	02/22/89	1	DRY						
2687	05/09/89	2	DRY						
2787	10/26/87	4	DRY						
2787	03/09/88	1	DRY						
2787	05/11/88	2	DRY						
2787	08/23/88	3	9.23 V	31.1 J A	58.6 J A	391 J A	212 J A	NR	NR
2787	08/23/88	3	9.92 J A	30.5 J A	57.9 J A	396 J	221 J A	NR	NR
2787	11/17/88	4	7.32 V	33.0 V	77.3 A	407 A	189 A	NR	NR
2787	02/20/89	1	DRY						
2787	05/10/89	2	8.42	34.6	61.5	439	215	NR	NR
3287	10/26/87	4	15.45	35.9	74	623	243	NR	NR
3287	10/26/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3287	03/09/88	1	14.4	32.5	103	564	140	NR	NR
3287	05/12/88	2	10.1	32.4	113	630	240	NR	NR
3287	08/23/88	3	4.70 J A	36.7 J A	59.6 J A	480 J A	289 J A	NR	NR
3287	11/17/88	4	3.77 V	39.6 V	77.6 A	453 A	273 A	NR	NR
3287	02/22/89	1	7.71	40.7	78.8	507	236	NR	NR
3287	05/09/89	2	DRY						
3387	11/20/87	4	DRY						
3387	03/09/88	1	DRY						
3387	05/11/88	2	DRY						
3387	08/24/88	3	DRY						
3387	11/17/88	4	DRY						
3387	02/15/89	1	DRY						
3387	05/09/89	2	DRY						
3587	11/20/87	4	DRY						
3587	03/09/88	1	DRY						

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
3587	05/04/88	2	DRY						
3587	08/18/88	3	DRY						
3587	11/17/88	4	DRY						
3587	02/15/89	1	DRY						
3587	05/09/89	2	DRY						

COLLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
6386	07/06/87	3	DRY						
6386	10/14/87	4	DRY						
6386	02/17/88	1	DRY						
6386	04/13/88	2	DRY						
6386	07/18/88	3	DRY						
6386	10/21/88	4	DRY						
6386	01/18/89	1	DRY						
6386	04/14/89	2	DRY						
6386	06/10/89	2	DRY						
6786	05/11/87	1	4.90	43.8	70.0	560	358	NR	1.0 U
6786	06/01/87	2	3.80	47.2	110	566	333	NR	1.0 U
6786	07/20/87	3	3.4	46.5	95.5	564	344	NR	1 U
6786	10/22/87	4	DRY						
6786	03/09/88	1	DRY						
6786	05/04/88	2	DRY						
6786	11/17/88	4	DRY						
6786	02/22/89	1	DRY						
6786	05/09/89	2	DRY						
2987	10/28/87	4	0.34	611	850	2661	261	NR	NR
2987	10/28/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2987	02/29/88	1	0.74	819	891	3219	138	NR	NR
2987	04/21/88	2	0.55	624	1157	2979	238	NR	NR
2987	08/08/88	3	0.02 U A	531 J A	999 R	2425 J A	254 J A	NR	NR
2987	10/26/88	4	0.62 V	533 A	996 A	2289 A	247 A	NR	NR
2987	02/01/89	1	0.74	778	1083	2845	222	NR	NR
2987	04/24/89	2	0.96	599	885	2443	264	NR	NR

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
4487	11/14/87	4	DRY						
4487	02/22/88	1	DRY						
4487	04/18/88	2	DRY						
4487	07/20/88	3	DRY						
4487	10/26/88	4	DRY						
4487	01/18/89	1	DRY						
4487	04/14/89	2	DRY						
4487	06/10/89	2	DRY						

VALLEY FILL ALLUVIUM

3586	03/17/87	1	0.20 U	107	100	952	642	NR	1.0 U
3586	06/02/87	2	0.20 U	84.1	180	924	533	NR	1.0 U
3586	07/28/87	3	0.20 U	83.2	160	1004	565	NR	1 U
3586	08/26/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3586	10/16/87	4	0.02 U	101	125	1006	613	NR	NR
3586	10/16/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3586	03/02/88	1	0.02 U	97.0	134	1011	349	NR	NR
3586	05/02/88	2	0.02 U	104	125	973	533	NR	NR
3586	08/10/88	3	0.02 U A	95.6 J A	143 J A	971 J A	598 J A	NR	NR
3586	11/04/88	4	0.02 U V	97.4 V	170 A	1003 A	545 A	NR	NR
3586	01/03/89	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3586	02/09/89	1	0.02 U	106	147	891	484	NR	NR
3586	02/09/89	1	0.02 U	108	142	993	550	NR	NR
3586	05/03/89	2	0.02 U	99.2	134	1008	599	NR	NR
3686	04/24/87	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3686	06/03/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3686	07/27/87	3	DRY						
3686	08/26/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3686	10/19/87	4	DRY						
3686	03/07/88	1	DRY						
3686	05/02/88	2	DRY						
3686	08/11/88	3	DRY						
3686	11/08/88	4	DRY						

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
3686	02/09/89	1	DRY						
3686	05/03/89	2	DRY						
3786	07/27/87	3	DRY						
3786	12/10/87	4	DRY						
3786	03/07/88	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3786	05/09/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3786	08/11/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3786	11/08/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3786	02/09/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3786	05/03/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6486	04/29/87	1	1.28	38.0	168	438	162	NR	1.0 U
6486	05/28/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6486	07/16/87	3	0.99	44.0	133	742	306	NR	1 U
6486	10/12/87	4	DRY						
6486	02/17/88	1	0.18	54.1	168	616	235	NR	NR
6486	04/11/88	2	0.56	49.7	180	593	213	NR	NR
6486	07/13/88	3	DRY						
6486	10/21/88	4	DRY						
6486	01/18/89	1	DRY						
6486	04/24/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6486	05/31/89	2	NR	76	290	740	290	7.6	NR
6586	05/13/87	1	0.20 U	43.7	89.0	444	234	NR	1.0 U
6586	05/28/87	2	0.20 U	46.2	103	498	269	NR	1.0 U
6586	07/16/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6586	09/09/87	3	0.20 U	64.0	190	655	306	NR	1 U
6586	10/19/87	4	DRY						
6586	02/29/88	1	0.08	62.0	116	529	134	NR	NR
6586	04/18/88	2	0.06	47.9	148	427	185	NR	NR
6586	07/19/88	3	DRY						
6586	10/21/88	4	DRY						
6586	01/18/89	1	DRY						
6586	04/24/89	2	DRY						
6586	06/01/89	2	0.05 V	51 A	130 V	530 V	350 V	7.4	0.0025 U

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
6686	05/11/87	1	0.20 U	17.0	26.5	193	100	NR	1.0 U
6686	05/28/87	2	0.20 U	19.8	33.0	249	150	NR	1.0 U
6686	07/17/87	3	DRY						
6686	10/19/87	4	DRY						
6686	03/31/88	1	0.09	42.6	27.0	209	73.9	NR	NR
6686	06/02/88	2	0.02 U	20.1	24.8	163	83.9	NR	NR
6686	10/07/88	4	DRY						
6686	12/23/88	4	DRY						
6686	03/29/89	1	0.08	52.0	22.1	208	65.5	NR	NR
6686	06/02/89	2	0.19	28	44	290	220	7.2	0.0025 U
6686	06/02/89	2	Data not yet received						
6686	06/26/89	2	DRY						
2187	10/29/87	4	DRY						
2187	03/07/88	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2187	05/02/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2187	08/10/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2187	11/08/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2187	02/09/89	1	DRY						
2187	05/03/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						

WEATHERED CLAYSTONE

0171	03/09/87	1	7.30	21.1	24.0	311	203	NR	1.0 U
0171	04/30/87	1	4.40	21.5	18.0	276	212	NR	1.0 U
0171	05/01/87	1	4.40	21.5	18.0	276	212	NR	1.0 U
0171	05/21/87	2	6.4	18.9	19.0	319	211	NR	1.0 U
0171	07/02/87	3	6.4	16	18.0	329	217	NR	1.0 U
0171	10/14/87	4	3.76	20.7	12.0	292	215	NR	NR
0171	02/25/88	1	2.60	19.4	16.5	297	123	NR	NR
0171	04/18/88	2	3.94	17.4	1.83	313	211	NR	NR
0171	07/25/88	3	5.22 J	19.0 J A	18.8 R	289 J A	226 J A	NR	NR
0171	07/26/88	3	5.28 J A	19.0 J A	19.0 R	269 J A	225 J A	NR	NR
0171	10/31/88	4	5.91 V	18.5 V	18.7 A	312 A	204 A	NR	NR
0171	11/01/88	4	5.93 V	19.5 V	18.5 A	325 A	201 A	NR	NR
0171	02/01/89	1	5.23	19.8	18.6	332	203	NR	NR

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
0171	05/01/89	2	4.99	18.1	19.4	291	216	NR	NR
0271	03/11/87	1	5.00	239	145	720	147	NR	1.0 U
0271	03/11/87	1	5.40	244	134	710	139	NR	1.0 U
0271	04/09/87	1	4.70	164	150	733	144	NR	1.0 U
0271	05/21/87	2	1.50	230	250	863	159	NR	1.0 U
0271	07/02/87	3	5.6	269	165	956	158	NR	1.0 U
0271	10/08/87	4	3.60	358	263	1245	151	NR	NR
0271	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0271	02/25/88	1	1.93	363	278	1247	81.0	NR	NR
0271	04/20/88	2	5.03	436	328	1473	159	NR	NR
0271	07/25/88	3	1.68 J A	573 J A	44.3 R	1627 J A	162 J A	NR	NR
0271	10/31/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0271	02/01/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0271	05/01/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0174	03/11/87	1	9.80	30.5	30.0	405	218	NR	1.0 U
0174	05/22/87	2	8.50	23.2	44.0	381	209	NR	1.0 U
0174	07/23/87	3	5.9	20.5	30.0	465	220	NR	1 U
0174	10/21/87	4	7.89	23.4	31.0	416	222	NR	NR
0174	10/21/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0174	03/03/88	1	7.22	21.7	27.5	421	129	NR	NR
0174	04/28/88	2	6.60	20.8	29.3	419	208	NR	NR
0174	05/09/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0174	08/11/88	3	7.28 J A	22.2 J A	3.29 J A	392 J	251 J A	NR	NR
0174	11/04/88	4	7.12 V	19.5 V	30.4 A	385 A	208 A	NR	NR
0174	01/03/89	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0174	02/09/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0174	05/03/89	2	6.03	24.1	33.9	397	212	NR	NR
0374	03/17/87	1	9.60	56.0	30.0	441	273	NR	1.0 U
0374	06/03/87	2	3.75	52.3	43.0	490	267	NR	1.0 U
0374	07/23/87	3	6.2	122	42.0	489	256	NR	1 U
0374	08/11/87	3	DRY						
0374	09/03/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0374	10/22/87	4	6.84	46.2	39.5	465	276	NR	NR
0374	10/22/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
0374	03/07/88	1	7.35	48.7	19.8	478	156	NR	NR
0374	05/04/88	2	6.30	47.4	23.5	476	222	NR	NR
0374	08/19/88	3	6.47 J A	43.2 J A	20.1 J A	409 J A	267 J A	NR	NR
0374	11/10/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0374	02/15/89	1	DRY						
0374	05/08/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
6286	04/09/87	1	2.30	28.0	60.0	274	67.5	NR	1.0 U
6286	04/29/87	1	2.60	26.9	90.0	286	124	NR	1.0 U
6286	05/26/87	2	3.4	25.5	48.0	295	164	NR	1.0 U
6286	07/06/87	3	2.3	102	23.0	280	157	NR	1 U
6286	10/14/87	4	2.70	27.3	48.0	303	178	NR	NR
6286	02/17/88	1	1.60	29.7	39.0	275	172	NR	NR
6286	04/13/88	2	2.89	26.8	57.7	302	134	NR	NR
6286	07/14/88	3	2.99 J A	30.2 V	57.6 J A	283 J A	151 J A	NR	NR
6286	10/20/88	4	7.41 A	71.0 A	54.1 A	328 A	164 A	NR	NR
6286	11/14/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6286	01/23/89	1	2.46	28.2	53.9	288	132	NR	NR
6286	04/19/89	2	2.27	29.1	52.3	277	113	NR	NR
6286	06/10/89	2	3.0 V	30 V	59 V	310 V	140 V	8.7	0.0025 U
0987BR	06/19/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0987BR	10/12/87	4	2.96	4.3	27	285	189	NR	NR
0987BR	10/12/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0987BR	02/25/88	1	1.85	5.82	51.7	271	109	NR	NR
0987BR	04/19/88	2	2.81	6.38	56.8	290	165	NR	NR
0987BR	08/09/88	3	2.57 J A	5.69 J A	34.5 R	311 J A	198 J A	NR	NR
0987BR	10/26/88	4	2.02 V	6.06 V	33.4 A	247 A	174 A	NR	NR
0987BR	01/25/89	1	2.08	9.27	34.5	282	178	NR	NR
0987BR	05/01/89	2	2.35	9.62	36.1	271	184	NR	NR
0987BR	05/01/89	2	2.25	9.40	36.1	283	184	NR	NR
1187BR	09/16/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1187BR	09/16/87	3	2.25	88.5	104	611	289	NR	1 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Inorganic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
1187BR	09/21/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1187BR	10/12/87	4	DRY						
1187BR	02/17/88	1	1.60	92.4	60.0	556	280	NR	NR
1187BR	04/13/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1187BR	08/08/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1187BR	10/26/88	4	DRY						
1187BR	02/07/89	1	DRY						
1187BR	05/02/89	2	DRY						
1287BR	08/31/87	3	1.30	60.5	108	654	368	NR	1 U
1287BR	02/25/88	1	0.71	38.8	46.2	617	212	NR	NR
1287BR	04/20/88	2	1.33	57.0	102	641	354	NR	NR
1287BR	07/25/88	3	1.6 J A	53.3 J A	203 R	635 J A	348 J A	NR	NR
1287BR	10/31/88	4	DRY						
1287BR	02/07/89	1	DRY						
1287BR	05/02/89	2	DRY						
1487BR	08/31/87	3	1.70	27.0	27.0	661	530	NR	1 U
1487BR	10/12/87	4	1.60	30.2	41	635	48	NR	NR
1487BR	10/12/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1487BR	02/29/88	1	1.59	28.0	43.1	265	36.3	NR	NR
1487BR	04/21/88	2	1.70	24.8	48.8	275	75.4	NR	NR
1487BR	08/08/88	3	1.71 J A	26.1 J A	41.9 R	287 J A	112 J A	NR	NR
1487BR	10/26/88	4	1.77 V	30.9 V	43.8 A	288 A	122 A	NR	NR
1487BR	01/25/89	1	1.83	32.6	46.5	320	158	NR	NR
1487BR	01/25/89	1	1.74	32.7	47.0	308	155	NR	NR
1487BR	04/24/89	2	1.73	32.0	47.2	288	141	NR	NR
2387BR	09/10/87	3	2.6	51.8	70.4	397	242	NR	1 U
2387BR	09/11/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2387BR	10/21/87	4	2.77	55.9	27.0	414	243	NR	NR
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2387BR	10/21/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2387BR	03/02/88	1	2.82	62.8	17.1	431	146	NR	NR
2387BR	04/28/88	2	2.70	64.0	17.5	392	242	NR	NR
2387BR	05/09/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2387BR	08/10/88	3	2.75 J A	49.0 J A	18.1 J A	446 R	261 J A	NR	NR

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
2387BR	11/04/88	4	2.98 V	65.1 V	16.6 A	344 A	192 A	NR	NR
2387BR	01/03/89	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2387BR	02/07/89	1	2.31	65.8	18.4	459	237	NR	NR
2387BR	05/03/89	2	2.44	62.6	18.6	421	259	NR	NR
2587BR	09/10/87	3	7.6	29.9	52	407	238	NR	1 U
2587BR	09/11/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2587BR	10/21/87	4	7.69	36.0	35.5	448	250	NR	NR
2587BR	10/21/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2587BR	10/27/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2587BR	03/03/88	1	7.69	37.3	32.5	466	152	NR	NR
2587BR	05/12/88	2	6.90	34.8	28.5	496	235	NR	NR
2587BR	08/16/88	3	7.54 J A	34.8 J A	29.7 R	423 J A	271 J A	NR	NR
2587BR	08/16/88	3	7.69 J A	34.6 J A	32.4 R	457 J A	267 J A	NR	NR
2587BR	11/10/88	4	8.02 V	39.6 V	30.2 A	439 A	239 A	NR	NR
2587BR	02/15/89	1	7.31	39.1	28.1	475	248	NR	NR
2587BR	05/08/89	2	7.11	41.1	27.9	482	281	NR	NR
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3687BR	11/05/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3687BR	11/06/87	4	4.57	218	43.5	375	218	NR	NR
3687BR	03/09/88	1	4.78	29.6	34.4	395	133	NR	NR
3687BR	05/04/88	2	4.40	29.9	33.0	405	212	NR	NR
3687BR	08/19/88	3	4.12 J A	34.2 J A	40.5 J A	431 J A	240 J A	NR	NR
3687BR	11/10/88	4	4.42 V	41.7 V	42.4 A	390 A	208 A	NR	NR
3687BR	02/15/89	1	8.06	41.9	27.7	444	242	NR	NR
3687BR	05/08/89	2	7.95	38.3	25.0	486	281	NR	NR

UNWEATHERED SANDSTONE

3486	03/17/87	1	0.20 U	65.9	800	1789	372	NR	1.0 U
3486	04/06/87	1	0.20 U	53.5	40.0	1772	357	NR	1.0 U
3486	06/02/87	2	0.20 U	54.0	940	1761	333	NR	1.0 U
3486	07/28/87	3	0.20 U	54.4	990	1813	319	NR	1 U
3486	10/16/87	4	0.02 U	52.1	900	1773	318	NR	NR
3486	10/16/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Inorganic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
3486	03/02/88	1	0.02 U	59.6	763	1700	111	NR	NR
3486	05/02/88	2	0.02 U	58.3	725	1760	239	NR	NR
3486	08/10/88	3	0.02 U A	47.9 J A	1076 J A	1700 J A	348 J A	NR	NR
3486	11/04/88	4	0.02 U V	56.2 V	1084 A	1750 A	316 A	NR	NR
3486	01/03/89	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3486	02/09/89	1	0.02 U	57.5	1058	1886	306	NR	NR
3486	05/03/89	2	0.02 U	54.3	920	1743	338	NR	NR
4086	05/06/87	1	1.40	19.9	470	1011	205	NR	1.0 U
4086	06/01/87	2	NR	14.9	390	NR	NR	NR	1.0 U
4086	07/21/87	3	DRY						
4086	10/26/87	4	6.62	8.79	218	679	255	NR	NR
4086	10/26/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4086	03/10/88	1	3.77	7.56	131	598	180	NR	NR
4086	05/12/88	2	3.80	7.24	135	576	293	NR	NR
4086	08/24/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4086	11/16/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4086	02/15/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4086	05/10/89	2	1.33	7.15	142	594	369	NR	NR
1687BR	09/10/87	3	0.46	4.14	124	256	119	NR	1 U
1687BR	09/15/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1687BR	10/16/87	4	1.58	3.7	77	264	133	NR	NR
1687BR	10/16/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1687BR	02/29/88	1	0.35	7.46	93.8	287	83.1	NR	NR
1687BR	04/21/88	2	0.05	4.04	84.8	277	166	NR	NR
1687BR	08/09/88	3	0.02 U A	3.33 J A	64.6 R	286 J A	176 J A	NR	NR
1687BR	10/31/88	4	1.46	4.12 V	73.0 A	276 A	161 A	NR	NR
1687BR	02/07/89	1	1.56	3.34	77.0	312	171	NR	NR
1687BR	05/01/89	2	2.02	3.14	61.5	300	177	NR	NR
1887BR	10/27/87	4	DRY						
1887BR	03/07/88	1	0.02 U	5.85	28.9	163	41.4	NR	NR
1887BR	05/02/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1887BR	08/15/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1887BR	11/04/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
1887BR	01/03/89	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1887BR	02/07/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1887BR	05/03/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2087BR	10/26/87	4	NF	NF	NF	NF	NF	NF	NF
2087BR	10/26/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2087BR	03/03/88	1	0.05	11.1	261	373	31.0	NR	NR
2087BR	05/09/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2087BR	08/11/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2087BR	11/08/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2087BR	02/07/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2087BR	05/03/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2287BR	03/07/88	1	0.02 U	8.22	121	465	54.0	NR	NR
2287BR	05/02/88	2	0.04	5.70	230	480	99	NR	NR
2287BR	08/10/88	3	0.04 J A	6.56 J A	337 J A	586 R	119 J A	NR	NR
2287BR	11/09/88	4	0.11 V	7.84 V	387 A	638 A	97.0 A	NR	NR
2287BR	02/09/89	1	0.14	9.27	458	759	105	NR	NR
2287BR	05/03/89	2	0.19	8.52	460	780	116	NR	NR
2887BR	03/14/88	1	0.09	6.27	32.0	137	38.1	NR	NR
2887BR	05/12/88	2	0.04	23.4	130	516	93.6	NR	NR
2887BR	08/22/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2887BR	11/16/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
2887BR	02/20/89	1	0.04	77.9	195	529	114	NR	NR
2887BR	05/08/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3087BR	01/22/88	4	0.02 U	40.1	22.2	118	87.0	NR	NR
3087BR	03/02/88	1	0.02 U	114	16.1	376	84.0	NR	NR
3087BR	04/21/88	2	0.04	125	16.5	412	157	NR	NR
3087BR	08/08/88	3	0.02 U A	124 J A	2.82 R	419 J A	169 J A	NR	NR
3087BR	08/09/88	3	0.02 U A	127 J A	2.78 R	419 J A	180 J A	NR	NR
3087BR	10/26/88	4	0.02 U R	122 V	2.21 A	409 A	162 A	NR	NR
3087BR	10/27/88	4	0.02 U R	122 V	2.24 A	430 A	160 A	NR	NR
3087BR	02/01/89	1	0.02 U	132	2.91	419	156	NR	NR
3087BR	04/24/89	2	0.02 U	126	1.2	420	166	NR	NR

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Operable Unit No. 2

Inorganic Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
3187BR	10/28/87	4	0.20 U	10.3	125	346	60.8	NR	NR
3187BR	10/28/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3187BR	03/10/88	1	0.07	9.45	176	293	35.3	NR	NR
3187BR	05/12/88	2	0.17	9.01	115	312	67.6	NR	NR
3187BR	08/25/88	3	3.55 V	9.07 J A	113 J A	308 J A	94.1 J A	NR	NR
3187BR	11/22/88	4	0.02 V	38.9 V	138 A	293 A	93.0 A	NR	NR
3187BR	02/22/89	1	0.05	9.79	118	307	74.6	NR	NR
3187BR	05/10/89	2	0.04	10.1	115	312	83.4	NR	NR
3487BR	03/09/88	1	0.17	5.37	114	288	61.4	NR	NR
3487BR	05/12/88	2	0.05	4.58	100	319	127	NR	NR
3487BR	05/12/88	2	0.06	3.94	97.0	314	125	NR	NR
3487BR	08/24/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3487BR	09/28/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3487BR	11/16/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
3487BR	02/20/89	1	0.14	7.25	80.6	381	142	NR	NR
3487BR	05/10/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4587BR	11/23/87	4	0.02 U	6.38	73.6	327	111	NR	NR
4587BR	11/23/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4587BR	02/25/88	1	0.02 U	8.33	55.0	342	114	NR	NR
4587BR	04/18/88	2	0.05	10.6	104	344	199	NR	NR
4587BR	07/21/88	3	0.07	11.0	47.0	341	232	NR	NR
4587BR	10/17/88	4	0.06 A	12.1 A	47.0 A	340 A	23.1 A	NR	NR
4587BR	01/23/89	1	0.02 U	13.9	50.5	376	233	NR	NR
4587BR	04/19/89	2	0.02 U	13.8	52.7	366	254	NR	NR
4587BR	06/13/89	2	0.05 U V	19 A	59 V	900 V	320 V	7.9	0.0025 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX B-4

DISSOLVED RADIONUCLIDES

GROUND-WATER SAMPLING RESULTS

Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
3386	09/24/87	3	DRY									
3386	12/05/87	4	DRY									
3386	03/07/88	1	DRY									
3386	05/02/88	2	DRY									
3386	08/12/88	3	DRY									
3386	11/08/88	4	DRY									
3386	02/09/89	1	DRY									
3386	05/03/89	2	DRY									
3986	05/06/87	1	See total radiochemistry.									
3986	06/03/87	2	See total radiochemistry.									
3986	07/24/87	3	4 ± 21	39	21 ± 43	79	2.8 ± 1.3	0.2 ± 0.3		1.8 ± 0.8		1.2
3986	09/03/87	3	***									
3986	12/12/87	4	25 ± 8		32 ± 13		2.1 ± 0.4	.17 ± .10	.11	1.7 ± 0.3		1.4
3986	03/09/88	1	26 ± 11		24 ± 18		2.4 ± 3	0.07 ± 0.07		1.4 ± 0.2		NR
3986	05/04/88	2	7 ± 4		9 ± 10	23	2.4 ± 0.4	0.11 ± 0.04	0.22	1.4 ± 0.3	1.9	NR
3986	08/19/88	3	4 ± 1 A		4 ± 1 A		2.6 ± 0.4 V	0.03 ± 0.04 V		1.4 ± 0.2 V		NR
3986	11/10/88	4	Data not yet received									
3986	11/11/88	4	Data not yet received									
3986	02/15/89	1	5 ± 3		2 ± 2	4	2.8 ± 0.3	0.06 ± 0.03		1.9 ± 0.2		NR
3986	02/15/89	1	3 ± 3	4	2 ± 2	4	2.9 ± 0.3	0.07 ± 0.03		1.7 ± 0.2		NR
3986	05/08/89	2	2.1 ± .8	.9	4.3 ± 2.6	3.8	NR	NR		NR		NR
3986	05/09/89	2	4.1 ± 1.7	2.0	10.5 ± 3.8	5.1	NR	NR		NR		NR
4186	05/06/87	1	See total radiochemistry.									
4186	06/01/87	2	See total radiochemistry.									
4186	07/20/87	3	0 ± 24	46	85 ± 48		1.6 ± 1.2	0.4 ± 0.4		1.2 ± 0.7		1.2
4186	10/22/87	4	11 ± 7		21 ± 10		3.0 ± 0.4	.13 ± .07		1.7 ± 0.3		<1.0
4186	10/22/87	4	***									
4186	12/16/87	4	***									
4186	03/10/88	1	19 ± 8		31 ± 15		3.3 ± 0.6	0.18 ± 0.14		2.4 ± 0.5		NR
4186	05/04/88	2	9 ± 4		16 ± 10	23	3.7 ± 0.5	0.06 ± 0.04	0.19	2.0 ± 0.3		NR
4186	08/24/88	3	***									
4186	11/22/88	4	Data not yet received									
4186	02/20/89	1	5 ± 2		5 ± 2		3.9 ± 0.4	0.06 ± 0.04	0.07	2.3 ± 0.3		NR
4186	05/10/89	2	3.2 ± 1.6	2.0	7.8 ± 2.6	3.6	NR	NR		NR		NR
4286	03/12/87	1	See total radiochemistry.									

VALUE QUALIFIERS: NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l		Americium 241 pCi/l		Cesium 137 pCi/l	Tritium pCi/l		Radium 226 pCi/l	Radium 228 pCi/l
3386	09/24/87	3	DRY								
3386	12/05/87	4	DRY								
3386	03/07/88	1	DRY								
3386	05/02/88	2	DRY								
3386	08/12/88	3	DRY								
3386	11/08/88	4	DRY								
3386	02/09/89	1	DRY								
3386	05/03/89	2	DRY								
3986	05/06/87	1	See total radiochemistry.								
3986	06/03/87	2	See total radiochemistry.								
3986	07/24/87	3	-.05 ± .60	0.5	.38 ± .53	0.6	NR	<502		NR	NR
3986	09/03/87	3	***								
3986	12/12/87	4	0.00 ± .18	1.2	0.00 ± .10	.66	NR	<210		NR	NR
3986	03/09/88	1	0.00 ± 0.1		0.00 ± 0.07		NR	200		NR	NR
3986	05/04/88	2	0.00 ± 0.03	0.13	0.03 ± 0.10	0.62	NR	<220		NR	NR
3986	08/19/88	3	0.02 ± 0.04 V		0.07 ± 0.08 V		NR	200	V	NR	NR
3986	11/10/88	4	Data not yet received								
3986	11/11/88	4	Data not yet received								
3986	02/15/89	1	0.00 ± 0.03	0.07	0.03 ± 0.04	0.08	NR	<260	V	NR	NR
3986	02/15/89	1	0.01 ± 0.03	0.06	0.00 ± 0.04	0.08	NR	<260	V	NR	NR
3986	05/08/89	2	NR		NR		NR	NR		NR	NR
3986	05/09/89	2	NR		NR		NR	NR		NR	NR
4186	05/06/87	1	See total radiochemistry.								
4186	06/01/87	2	See total radiochemistry.								
4186	07/20/87	3	-.04 ± .66	0.6	.27 ± .57	0.7	NR	<475		NR	NR
4186	10/22/87	4	0.00 ± .11	.49	0.00 ± .15	1.0	NR	<520		NR	NR
4186	10/22/87	4	***								
4186	12/16/87	4	***								
4186	03/10/88	1	0.00 ± 0.11		0.00 ± 0.26		NR	220		NR	NR
4186	05/04/88	2	0.00 ± 0.03	0.19	NR		NR	<200		NR	NR
4186	08/24/88	3	***								
4186	11/22/88	4	Data not yet received								
4186	02/20/89	1	0.00 ± 0.03	0.07	0.03 ± 0.10	0.20	NR	<260	V	NR	NR
4186	05/10/89	2	NR		NR		NR	NR		NR	NR
4286	03/12/87	1	See total radiochemistry.								

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l		Uranium 238 pCi/l	Strontium 89, 90 pCi/l
4286	05/26/87	2	See total radiochemistry.								
4286	07/23/87	3	215 ± 157		144 ± 62		2.8 ± 1.4	0.0 ± 0.2	0.3	2.6 ± 1.0	<1.0
4286	09/03/87	3	***								
4286	10/14/87	4	12 ± 5		7 ± 9		1.9 ± 0.3	.08 ± .05	.14	1.4 ± 0.2	1.3
4286	03/03/88	1	5 ± 5	8	-5 ± 9	22	2.0 ± 0.30	0.05 ± 0.07	0.27	1.5 ± 0.24	NR
4286	05/04/88	2	7 ± 3		10 ± 11	24	1.9 ± 0.3	0.05 ± 0.04	0.13	1.2 ± 0.3	NR
4286	08/25/88	3	4 ± 1 A		4 ± 1 A		1.8 ± 0.3 V	0.02 ± 0.04 V		1.6 ± 0.3 V	NR
4286	11/17/88	4	Data not yet received								
4286	11/18/88	4	Data not yet received								
4286	02/20/89	1	1 ± 1	2	2 ± 2	4	2.4 ± 0.3	0.05 ± 0.05	0.08	1.5 ± 0.2	NR
4286	05/08/89	2	3.0 ± 1.4	1.6	3.9 ± 2.6	4.0	NR	NR		NR	NR
4386	03/11/87	1	See total radiochemistry.								
4386	06/03/87	2	See total radiochemistry.								
4386	07/28/87	3	5 ± 25	45	-14 ± 42	83	1.2 ± 1.2	0.0 ± 0.3	0.3	1.7 ± 0.9	1.2
4386	08/26/87	3	***								
4386	10/19/87	4	DRY								
4386	03/02/88	1	DRY								
4386	04/29/88	2	DRY								
4386	08/10/88	3	DRY								
4386	11/03/88	4	DRY								
4386	02/07/89	1	DRY								
4386	05/03/89	2	DRY								
1087	10/12/87	4	DRY								
1087	02/25/88	1	DRY								
1087	04/19/88	2	DRY								
1087	08/09/88	3	DRY								
1087	10/26/88	4	DRY								
1087	02/07/89	1	DRY								
1087	05/02/89	2	DRY								
1587	09/10/87	3	46 ± 33		37 ± 41		NR	NR		NR	NR
1587	09/11/87	3	NR		NR		2.916 ± 0.378	NR		2.743 ± 0.374	NR
1587	10/07/87	4	***								
1587	10/08/87	4	***								
1587	10/08/87	4	27 ± 22		24 ± 42		.97 ± .21	.06 ± .05		.73 ± .18	NR
1587	10/08/87	4	NR		NR		2.188 ± 0.382	NR		1.364 ± 0.216	NR

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Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
4286	05/26/87	2	See total radiochemistry.					
4286	07/23/87	3	.36 ± .74	0.0 ± 2.8 0.5	NR	<502	NR	NR
4286	09/03/87	3	***					
4286	10/14/87	4	0.00 ± .08 .31	0.00 ± .06 .21	NR	560 ± 290	NR	NR
4286	03/03/88	1	0.18 ± 0.13 0.52	0.00 ± 1.2 3.1	NR	<200	NR	NR
4286	05/04/88	2	0.00 ± 0.03 0.13	NR	NR	<220	NR	NR
4286	08/25/88	3	0.00 ± 0.04 V	0.01 ± 0.08 V	NR	200 V	NR	NR
4286	11/17/88	4	Data not yet received					
4286	11/18/88	4	Data not yet received					
4286	02/20/89	1	0.01 ± 0.03 0.06	-0.02 ± 0.13 0.47	NR	<260 V	NR	NR
4286	05/08/89	2	NR	NR	NR	NR	NR	NR
4386	03/11/87	1	See total radiochemistry.					
4386	06/03/87	2	See total radiochemistry.					
4386	07/28/87	3	-.20 ± .85 1.1	.11 ± .32 0.3	NR	<493	NR	NR
4386	08/26/87	3	***					
4386	10/19/87	4	DRY					
4386	03/02/88	1	DRY					
4386	04/29/88	2	DRY					
4386	08/10/88	3	DRY					
4386	11/03/88	4	DRY					
4386	02/07/89	1	DRY					
4386	05/03/89	2	DRY					
1087	10/12/87	4	DRY					
1087	02/25/88	1	DRY					
1087	04/19/88	2	DRY					
1087	08/09/88	3	DRY					
1087	10/26/88	4	DRY					
1087	02/07/89	1	DRY					
1087	05/02/89	2	DRY					
1587	09/10/87	3	NR	NR	NR	<460	NR	NR
1587	09/11/87	3	0.522 ± 0.117	0.831 ± 0.148	NR	NR	NR	NR
1587	10/07/87	4	***					
1587	10/08/87	4	***					
1587	10/08/87	4	0.00 ± .16	0.00 ± .25	NR	<500	NR	NR
1587	10/08/87	4	0.036 ± 0.063	0.039 ± 0.049	NR	NR	NR	NR

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
1587	02/29/88	1	14 ± 7		-5 ± 17		1.4 ± 0.3	0.04 ± 0.06		0.94 ± 0.20		NR
1587	04/20/88	2	-2 ± 5	12	-8 ± 14	34	1.2 ± 0.3	0.05 ± 0.04	0.10	0.84 ± 0.27	0.94	NR
1587	08/09/88	3	DRY									
1587	10/31/88	4	DRY									
1587	02/07/89	1	DRY									
1587	05/01/89	2	***									
1787	11/05/87	4	***									
1787	11/06/87	4	9 ± 20		18 ± 41		NR	NR		NR		NR
1787	03/03/88	1	10 ± 5		11 ± 9	20	5.2 ± 0.5	0.25 ± 0.10	0.31	4.1 ± 0.42		NR
1787	04/28/88	2	18 ± 4		12 ± 11	24	1.3 ± 0.3	0.03 ± 0.03	0.11	0.90 ± 0.26	0.95	NR
1787	05/09/88	2	***									
1787	08/15/88	3	3 ± 1 A		6 ± 2 A		2.0 ± 0.3 V	0.07 ± 0.04 V		1.5 ± 0.2 V		NR
1787	11/04/88	4	Data not yet received									
1787	01/03/89	4	***									
1787	02/07/89	1	4 ± 2		6 ± 2		1.7 ± 0.2	0.03 ± 0.03	0.04	1.3 ± 0.2		NR
1787	05/03/89	2	2.3 ± 1.1	1.5	9.2 ± 2.9	4.0	NR	NR		NR		NR
1987	11/19/87	4	DRY									
1987	03/03/88	1	DRY									
1987	04/28/88	2	DRY									
1987	08/11/88	3	DRY									
1987	11/07/88	4	DRY									
1987	02/09/89	1	DRY									
1987	05/03/89	2	DRY									
2487	11/19/87	4	***									
2487	11/19/87	4	***									
2487	03/03/88	1	DRY									
2487	05/04/88	2	DRY									
2487	08/22/88	3	DRY									
2487	11/17/88	4	DRY									
2487	02/15/89	1	DRY									
2487	05/09/89	2	DRY									
2687	11/19/87	4	***									
2687	11/20/87	4	***									
2687	03/09/88	1	DRY									

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l		Americium 241 pCi/l		Cesium 137 pCi/l	Tritium pCi/l		Radium 226 pCi/l	Radium 228 pCi/l
1587	02/29/88	1	0.00 ± 0.19		0.00 ± 0.10		NR	<210		NR	NR
1587	04/20/88	2	0.00 ± 0.05	0.13	0.00 ± 0.16	0.75	NR	<210		NR	NR
1587	08/09/88	3	DRY								
1587	10/31/88	4	DRY								
1587	02/07/89	1	DRY								
1587	05/01/89	2	***								
1787	11/05/87	4	***								
1787	11/06/87	4	NR		NR		NR	NR		NR	NR
1787	03/03/88	1	0.00 ± 0.12	0.38	0.0 ± 1.6	4.4	NR	<200		NR	NR
1787	04/28/88	2	NR		NR		NR	<200		NR	NR
1787	05/09/88	2	***								
1787	08/15/88	3	0.00 ± 0.04 V		0.01 ± 0.07 V		NR	210	V	NR	NR
1787	11/04/88	4	Data not yet received								
1787	01/03/89	4	***								
1787	02/07/89	1	-0.1 ± 0.03	0.06	-0.04 ± 0.08	0.39	NR	<260	V	NR	NR
1787	05/03/89	2	NR		NR		NR	<270		NR	NR
1987	11/19/87	4	DRY								
1987	03/03/88	1	DRY								
1987	04/28/88	2	DRY								
1987	08/11/88	3	DRY								
1987	11/07/88	4	DRY								
1987	02/09/89	1	DRY								
1987	05/03/89	2	DRY								
2487	11/19/87	4	***								
2487	11/19/87	4	***								
2487	03/03/88	1	DRY								
2487	05/04/88	2	DRY								
2487	08/22/88	3	DRY								
2487	11/17/88	4	DRY								
2487	02/15/89	1	DRY								
2487	05/09/89	2	DRY								
2687	11/19/87	4	***								
2687	11/20/87	4	***								
2687	03/09/88	1	DRY								

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Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89, 90 pCi/l
2687	05/11/88	2	DRY							
2687	08/18/88	3	DRY							
2687	11/17/88	4	DRY							
2687	02/22/89	1	DRY							
2687	05/09/89	2	DRY							
2787	10/26/87	4	DRY							
2787	03/09/88	1	DRY							
2787	05/11/88	2	DRY							
2787	08/23/88	3	7 ± 2 A		8 ± 2 A		4.6 ± 0.5 V	0.06 ± 0.04 V	3.1 ± 0.4 V	NR
2787	08/23/88	3	6 ± 2 A		8 ± 2 A		4.8 ± 0.6 V	0.12 ± 0.05 V	3.2 ± 0.4 V	NR
2787	11/17/88	4	Data not yet received							
2787	02/20/89	1	DRY							
2787	05/10/89	2	5.3 ± 1.4	1.3	14.3 ± 3.0	3.6	NR	NR	NR	NR
3287	10/26/87	4	78 ± 50		61 ± 48		NR	NR	NR	NR
3287	10/26/87	4	***							
3287	03/09/88	1	15 ± 9		7 ± 19		2.8 ± 0.3	0.03 ± 0.06	1.5 ± 0.2	NR
3287	05/12/88	2	19 ± 6		4 ± 14	33	4.6 ± 0.6	0.28 ± 0.10	2.8 ± 0.45	NR
3287	08/23/88	3	4 ± 1 A		5 ± 1 A		3.2 ± 0.4 V	0.06 ± 0.04 V	1.9 ± 0.3 V	NR
3287	11/17/88	4	Data not yet received							
3287	02/22/89	1	4 ± 1		4 ± 2	4	3.4 ± 0.4	0.05 ± 0.03	1.6 ± 0.2	NR
3287	05/09/89	2	DRY							
3387	11/20/87	4	DRY							
3387	03/09/88	1	DRY							
3387	05/11/88	2	DRY							
3387	08/24/88	3	DRY							
3387	11/17/88	4	DRY							
3387	02/15/89	1	DRY							
3387	05/09/89	2	DRY							
3587	11/20/87	4	DRY							
3587	03/09/88	1	DRY							
3587	05/04/88	2	DRY							
3587	08/18/88	3	DRY							
3587	11/17/88	4	DRY							
3587	02/15/89	1	DRY							

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
2687	05/11/88	2	DRY					
2687	08/18/88	3	DRY					
2687	11/17/88	4	DRY					
2687	02/22/89	1	DRY					
2687	05/09/89	2	DRY					
2787	10/26/87	4	DRY					
2787	03/09/88	1	DRY					
2787	05/11/88	2	DRY					
2787	08/23/88	3	0.00 ± 0.04 V	0.00 ± 0.08 A	NR	200 V	NR	NR
2787	08/23/88	3	0.00 ± 0.04 V	0.00 ± 0.08 A	NR	200 V	NR	NR
2787	11/17/88	4	Data not yet received					
2787	02/20/89	1	DRY					
2787	05/10/89	2	NR	NR	NR	NR	NR	NR
3287	10/26/87	4	NR	NR	NR	<460	NR	NR
3287	10/26/87	4	***					
3287	03/09/88	1	0.00 ± 0.13	NR	NR	200	NR	NR
3287	05/12/88	2	0.00 ± 0.04 0.20	0.10 ± 0.09 0.91	NR	<200	NR	NR
3287	08/23/88	3	0.00 ± 0.04 V	0.00 ± 0.08 A	NR	200 V	NR	NR
3287	11/17/88	4	Data not yet received					
3287	02/22/89	1	0.01 ± 0.03 0.07	-0.08 ± 0.08 0.33	NR	<250 V	NR	NR
3287	05/09/89	2	DRY					
3387	11/20/87	4	DRY					
3387	03/09/88	1	DRY					
3387	05/11/88	2	DRY					
3387	08/24/88	3	DRY					
3387	11/17/88	4	DRY					
3387	02/15/89	1	DRY					
3387	05/09/89	2	DRY					
3587	11/20/87	4	DRY					
3587	03/09/88	1	DRY					
3587	05/04/88	2	DRY					
3587	08/18/88	3	DRY					
3587	11/17/88	4	DRY					
3587	02/15/89	1	DRY					

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Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l		Uranium 238 pCi/l	Strontium 89, 90 pCi/l
3587	05/09/89	2	DRY								

COLLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l		Uranium 238 pCi/l	Strontium 89, 90 pCi/l
6386	07/06/87	3	DRY								
6386	10/14/87	4	DRY								
6386	02/17/88	1	DRY								
6386	04/13/88	2	DRY								
6386	07/18/88	3	DRY								
6386	10/21/88	4	DRY								
6386	01/18/89	1	DRY								
6386	04/14/89	2	DRY								
6386	06/10/89	2	DRY								
6786	05/11/87	1	See total radiochemistry.								
6786	06/01/87	2	See total radiochemistry.								
6786	07/20/87	3	19 ± 33	49	49 ± 44		1.6 ± 1.3	0.0 ± 0.4	0.5	2.5 ± 1.0	1.1
6786	10/22/87	4	DRY								
6786	03/09/88	1	DRY								
6786	05/04/88	2	DRY								
6786	11/17/88	4	DRY								
6786	02/22/89	1	DRY								
6786	05/09/89	2	DRY								
2987	10/28/87	4	23 ± 38		34 ± 49		NR	NR		NR	NR
2987	10/28/87	4	***								
2987	02/29/88	1	40 ± 50		33 ± 11		13 ± 1	0.43 ± 0.16		10 ± 1	NR
2987	04/21/88	2	32 ± 13		28 ± 17		15 ± 1	0.50 ± 0.09		11 ± 1	NR
2987	08/08/88	3	20 ± 7 A		1 ± 6 A	16	13 ± 1 A	0.73 ± 0.12 V		10 ± 1 V	NR
2987	10/26/88	4	Data not yet received								
2987	02/01/89	1	6 ± 7	18	11 ± 8	20	NR	NR		NR	NR
2987	04/24/89	2	27.0 ± 3.9	3.8	13.8 ± 5.0	7.0	NR	NR		NR	NR
4487	11/14/87	4	DRY								
4487	02/22/88	1	DRY								
4487	04/18/88	2	DRY								
4487	07/20/88	3	DRY								

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Dissolved Radiochemistry Ground-Water Sampling Results

ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
3587	05/09/89	2	DRY					

COLLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
6386	07/06/87	3	DRY					
6386	10/14/87	4	DRY					
6386	02/17/88	1	DRY					
6386	04/13/88	2	DRY					
6386	07/18/88	3	DRY					
6386	10/21/88	4	DRY					
6386	01/18/89	1	DRY					
6386	04/14/89	2	DRY					
6386	06/10/89	2	DRY					
6786	05/11/87	1	See total radiochemistry.					
6786	06/01/87	2	See total radiochemistry.					
6786	07/20/87	3	.25 ± .80 0.9	0.6 ± 1.4 2.1	NR	<475	NR	NR
6786	10/22/87	4	DRY					
6786	03/09/88	1	DRY					
6786	05/04/88	2	DRY					
6786	11/17/88	4	DRY					
6786	02/22/89	1	DRY					
6786	05/09/89	2	DRY					
2987	10/28/87	4	NR	NR	NR	<460	NR	NR
2987	10/28/87	4	***					
2987	02/29/88	1	NR	0.06 ± 0.27	NR	<210	NR	NR
2987	04/21/88	2	0.02 ± 0.05 0.16	0.00 ± 0.16 0.58	NR	<200	NR	NR
2987	08/08/88	3	0.00 ± 0.04 V 0.13	0.00 ± 0.09 V 0.39	NR	<210 V	NR	NR
2987	10/26/88	4	Data not yet received					
2987	02/01/89	1	0.01 ± 0.03 0.09	0.06 ± 0.08 0.32	NR	<240 V	NR	NR
2987	04/24/89	2	NR	NR	NR	NR	NR	NR
4487	11/14/87	4	DRY					
4487	02/22/88	1	DRY					
4487	04/18/88	2	DRY					
4487	07/20/88	3	DRY					

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
4487	10/26/88	4	DRY										
4487	01/18/89	1	DRY										
4487	04/14/89	2	DRY										
4487	06/10/89	2	DRY										

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
3586	03/17/87	1	See total radiochemistry.										
3586	06/02/87	2	See total radiochemistry.										
3586	07/28/87	3	-3 ± 24	46	7 ± 41	76	4.8 ± 1.7		0.0 ± 0.3		3.2 ± 1.3		1.2
3586	08/26/87	3	***										
3586	10/16/87	4	3 ± 7	12	9 ± 10	19	3.0 ± 0.5		.08 ± .77	.19	1.7 ± 0.3		<1.0
3586	10/16/87	4	***										
3586	03/02/88	1	16 ± 21	44	27 ± 41	94	2.3 ± 0.4		0.06 ± 0.08	0.38	2.3 ± 0.4		NR
3586	05/02/88	2	6 ± 7	13	-3 ± 16	37	1.9 ± 0.3	2.0	0.06 ± 0.03	0.22	1.1 ± 0.3	1.9	NR
3586	08/10/88	3	5 ± 3 A		2 ± 4 A		2.3 ± 0.4 V		0.03 ± 0.04 V		1.6 ± 0.3 V		NR
3586	11/04/88	4	NR		NR		2.4 ± 0.3 V		<.08 ± .03 V		1.7 ± 0.2 V		NR
3586	01/03/89	4	***										
3586	02/09/89	1	2 ± 3	9	7 ± 4	11	2.5 ± 0.3		0.03 ± 0.03		1.9 ± 0.3		NR
3586	02/09/89	1	0 ± 3	9	2 ± 4	11	2.1 ± 0.3		0.03 ± 0.03	0.04	1.7 ± 0.2		NR
3586	05/03/89	2	2.6 ± 1.1	1.2	5.5 ± 2.6	3.8	NR		NR		NR		NR
3686	04/24/87	1	***										
3686	06/03/87	2	***										
3686	07/27/87	3	DRY										
3686	08/26/87	3	***										
3686	10/19/87	4	DRY										
3686	03/07/88	1	DRY										
3686	05/02/88	2	DRY										
3686	08/11/88	3	DRY										
3686	11/08/88	4	DRY										
3686	02/09/89	1	DRY										
3686	05/03/89	2	DRY										
3786	07/27/87	3	DRY										
3786	12/10/87	4	DRY										
3786	03/07/88	1	***										

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

COLLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
4487	10/26/88	4	DRY					
4487	01/18/89	1	DRY					
4487	04/14/89	2	DRY					
4487	06/10/89	2	DRY					

VALLEY FILL ALLUVIUM

3586	03/17/87	1	See total radiochemistry.					
3586	06/02/87	2	See total radiochemistry.					
3586	07/28/87	3	-.32 ± .96 1.7	0.9 ± 6.7 1.0	NR	<478	NR	NR
3586	08/26/87	3	***					
3586	10/16/87	4	0.00 ± .23 1.6	0.00 ± .31 .66	NR	<460	NR	NR
3586	10/16/87	4	***					
3586	03/02/88	1	0.00 ± 0.50 4.7	0.00 ± 0.18 0.63	NR	<210	NR	NR
3586	05/02/88	2	0.02 ± 0.04 0.22	0.00 ± 0.10 0.45	NR	<210	NR	NR
3586	08/10/88	3	0.01 ± 0.04 V	0.11 ± 0.08 V	NR	260 ± 90 V	NR	NR
3586	11/04/88	4	<0.0 ± .03 V	<0.0 ± .08 V	NR	<220 A	NR	NR
3586	01/03/89	4	***					
3586	02/09/89	1	-0.04 ± 0.10 0.16	0.04 ± 0.08 0.45	NR	<260 V	NR	NR
3586	02/09/89	1	-0.02 ± 0.10 0.16	0.04 ± 0.08 0.54	NR	<260 V	NR	NR
3586	05/03/89	2	NR	NR	NR	<270	NR	NR
3686	04/24/87	1	***					
3686	06/03/87	2	***					
3686	07/27/87	3	DRY					
3686	08/26/87	3	***					
3686	10/19/87	4	DRY					
3686	03/07/88	1	DRY					
3686	05/02/88	2	DRY					
3686	08/11/88	3	DRY					
3686	11/08/88	4	DRY					
3686	02/09/89	1	DRY					
3686	05/03/89	2	DRY					
3786	07/27/87	3	DRY					
3786	12/10/87	4	DRY					
3786	03/07/88	1	***					

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
3786	05/09/88	2	***										
3786	08/11/88	3	***										
3786	11/08/88	4	***										
3786	02/09/89	1	***										
3786	05/03/89	2	***										
6486	04/29/87	1	See total radiochemistry.										
6486	05/28/87	2	***										
6486	07/16/87	3	***										
6486	10/12/87	4	DRY										
6486	02/17/88	1	10 ± 8		-2 ± 12		1.7 ± 0.4		0.17 ± 0.11		1.2 ± 0.3		NR
6486	04/11/88	2	6 ± 8	17	5 ± 16	38	3.0 ± 0.4		0.07 ± 0.04	0.09	2.5 ± 0.4		NR
6486	07/13/88	3	DRY										
6486	10/21/88	4	DRY										
6486	01/18/89	1	DRY										
6486	04/24/89	2	***										
6486	05/31/89	2	***										
6586	05/13/87	1	See total radiochemistry.										
6586	05/28/87	2	See total radiochemistry.										
6586	07/16/87	3	***										
6586	09/09/87	3	15 ± 19	29	23 ± 27	66	4.2 ± 1.9		0.4 ± 0.5		1.6 ± 1.5	1.9	2.0
6586	10/19/87	4	DRY										
6586	02/29/88	1	4 ± 9		-4 ± 17		5.5 ± 0.5		0.14 ± 0.08		4.0 ± 0.4		NR
6586	04/18/88	2	10 ± 6		7 ± 10	22	2.8 ± 0.4		0.07 ± 0.04	0.14	2.3 ± 0.4		NR
6586	07/19/88	3	DRY										
6586	10/21/88	4	DRY										
6586	01/18/89	1	DRY										
6586	04/24/89	2	DRY										
6586	06/01/89	2	5 ± 6		2 ± 5		5.3 ± 0.6		0.2 ± 0.1		4.3 ± 0.5		0.6 ± 0.5
6686	05/11/87	1	See total radiochemistry.										
6686	05/28/87	2	See total radiochemistry.										
6686	07/17/87	3	DRY										
6686	10/19/87	4	DRY										
6686	03/31/88	1	12 ± 5		3 ± 11	25	0.20 ± 0.16	0.43	0.03 ± 0.07	0.39	0.36 ± 0.13	0.37	NR
6686	06/02/88	2	1 ± 4	9	6 ± 8	18	0.12 ± 0.24	0.86	0.00 ± 0.03	0.10	0.03 ± 0.23	0.83	NR
6686	10/07/88	4	DRY										

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l		Americium 241 pCi/l		Cesium 137 pCi/l	Tritium pCi/l		Radium 226 pCi/l	Radium 228 pCi/l
3786	05/09/88	2	***								
3786	08/11/88	3	***								
3786	11/08/88	4	***								
3786	02/09/89	1	***								
3786	05/03/89	2	***								
6486	04/29/87	1	See total radiochemistry.								
6486	05/28/87	2	***								
6486	07/16/87	3	***								
6486	10/12/87	4	DRY								
6486	02/17/88	1	0.00 ± 0.22		0.00 ± 0.13		NR	<220		NR	NR
6486	04/11/88	2	0.00 ± 0.05	0.19	NR		NR	<220	220	NR	NR
6486	07/13/88	3	DRY								
6486	10/21/88	4	DRY								
6486	01/18/89	1	DRY								
6486	04/24/89	2	***								
6486	05/31/89	2	***								
6586	05/13/87	1	See total radiochemistry.								
6586	05/28/87	2	See total radiochemistry.								
6586	07/16/87	3	***								
6586	09/09/87	3	-.03 ± .16	2.9	.02 ± .32	0.4	NR	<509		NR	NR
6586	10/19/87	4	DRY								
6586	02/29/88	1	0.00 ± 0.25		0.00 ± 0.20		NR	<210		NR	NR
6586	04/18/88	2	0.02 ± 0.06	0.15	0.00 ± 0.16	0.84	NR	<200		NR	NR
6586	07/19/88	3	DRY								
6586	10/21/88	4	DRY								
6586	01/18/89	1	DRY								
6586	04/24/89	2	DRY								
6586	06/01/89	2	0.00 ± 0.01		-0.01 ± 0.02		0.1 ± 0.6	180 ± 210		0.7 ± 0.3	NR
6686	05/11/87	1	See total radiochemistry.								
6686	05/28/87	2	See total radiochemistry.								
6686	07/17/87	3	DRY								
6686	10/19/87	4	DRY								
6686	03/31/88	1	0.00 ± 0.16	0.57	0.00 ± 0.40	1.3	NR	<210		NR	NR
6686	06/02/88	2	0.00 ± 0.04	0.11	0.00 ± 0.10	0.36	NR	<210		NR	NR
6686	10/07/88	4	DRY								

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l		Uranium 238 pCi/l	Strontium 89, 90 pCi/l
6686	12/23/88	4	DRY								
6686	03/29/89	1	***								
6686	06/02/89	2	5 ± 5		6 ± 3		1.5 ± 0.3	0.1 ± 0.1		1.4 ± 0.3	0.1 ± 0.4
6686	06/02/89	2	Data not yet received								
6686	06/26/89	2	DRY								
2187	10/29/87	4	DRY								
2187	03/07/88	1	***								
2187	05/02/88	2	***								
2187	08/10/88	3	***								
2187	11/08/88	4	***								
2187	02/09/89	1	DRY								
2187	05/03/89	2	***								

WEATHERED CLAYSTONE

0171	03/09/87	1	See total radiochemistry.								
0171	04/30/87	1	See total radiochemistry.								
0171	05/01/87	1	See total radiochemistry.								
0171	05/21/87	2	See total radiochemistry.								
0171	07/02/87	3	3 ± 26	48	18 ± 39	70	6.3 ± 1.6	0.5 ± 0.4		4.1 ± 1.1	2.6
0171	10/14/87	4	6 ± 4	6	2 ± 9	18	2.0 ± 0.3	.04 ± .05	.15	1.7 ± 0.3	<1.0
0171	02/25/88	1	5 ± 4		12 ± 11		2.3 ± 0.3	0.06 ± 0.07		1.4 ± 0.3	NR
0171	04/18/88	2	5 ± 5	8	14 ± 11	24	2.1 ± 0.3	0.08 ± 0.04	0.16	1.6 ± 0.3	NR
0171	07/25/88	3	12 ± 2 A		6 ± 2 A		4.6 ± 0.6 V	0.07 ± 0.05 V	0.08	3.0 ± 0.4 V	NR
0171	07/26/88	3	10 ± 2 A		2 ± 2 A	4	4.4 ± 0.5 A	0.13 ± 0.05 V		2.8 ± 0.4 V	NR
0171	10/31/88	4	Data not yet received								
0171	11/01/88	4	Data not yet received								
0171	02/01/89	1	10 ± 2		7 ± 2		NR	NR		NR	NR
0171	05/01/89	2	7.7 ± 1.0	.7	9.4 ± 2.7	3.6	NR	NR		NR	NR
0271	03/11/87	1	See total radiochemistry.								
0271	03/11/87	1	See total radiochemistry.								
0271	04/09/87	1	See total radiochemistry.								
0271	05/21/87	2	See total radiochemistry.								
0271	07/02/87	3	16 ± 22	36	-19 ± 36	73	10.9 ± 2.4	0.9 ± 0.6		7.9 ± 1.8	<1.0
0271	10/08/87	4	23 ± 6		10 ± 10	18	8.0 ± 0.7	0.30 ± 0.10		5.2 ± 0.5	<1.0

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
6686	12/23/88	4	DRY					
6686	03/29/89	1	***					
6686	06/02/89	2	0.00 ± 0.01	-0.01 ± 0.02	0.1 ± 0.5	170 ± 210	0.1 ± 0.3	NR
6686	06/02/89	2	Data not yet received					
6686	06/26/89	2	DRY					
2187	10/29/87	4	DRY					
2187	03/07/88	1	***					
2187	05/02/88	2	***					
2187	08/10/88	3	***					
2187	11/08/88	4	***					
2187	02/09/89	1	DRY					
2187	05/03/89	2	***					

WEATHERED CLAYSTONE

0171	03/09/87	1	See total radiochemistry.					
0171	04/30/87	1	See total radiochemistry.					
0171	05/01/87	1	See total radiochemistry.					
0171	05/21/87	2	See total radiochemistry.					
0171	07/02/87	3	NR	-.04 ± 1.50 3.00	NR	<515	NR	NR
0171	10/14/87	4	0.00 ± .07 .55	0.00 ± .43 1.5	NR	<460	NR	NR
0171	02/25/88	1	0.00 ± 0.18	0.00 ± 0.18	NR	<200	NR	NR
0171	04/18/88	2	0.01 ± 0.03 0.30	0.02 ± 0.19 0.78	NR	<210	NR	NR
0171	07/25/88	3	0.00 ± 0.08 V 0.28	0.10 ± 0.17 V 1.2	NR	<210 V	NR	NR
0171	07/26/88	3	0.00 ± 0.08 V 0.31	0.00 ± 0.17 V 0.81	NR	<210 V	NR	NR
0171	10/31/88	4	Data not yet received					
0171	11/01/88	4	Data not yet received					
0171	02/01/89	1	0.00 ± 0.03 0.07	-0.01 ± 0.08 0.30	NR	<240 V	NR	NR
0171	05/01/89	2	NR	NR	NR	NR	NR	NR
0271	03/11/87	1	See total radiochemistry.					
0271	03/11/87	1	See total radiochemistry.					
0271	04/09/87	1	See total radiochemistry.					
0271	05/21/87	2	See total radiochemistry.					
0271	07/02/87	3	NR	NR	NR	<515	NR	NR
0271	10/08/87	4	0.00 ± 0.15 .46	0.00 ± 0.02 .31	NR	<460	NR	NR

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l		Uranium 238 pCi/l	Strontium 89, 90 pCi/l
0271	10/08/87	4	NR		NR		13.694 ± 2.205	NR		8.605 ± 1.338	NR
0271	02/25/88	1	9 ± 17		-12 ± 59		7.3 ± 0.7	0.23 ± 0.10		5.6 ± 0.6	NR
0271	04/20/88	2	20 ± 8		25 ± 17	38	19 ± 2	0.58 ± 0.10		14 ± 1	NR
0271	07/25/88	3	37 ± 6 A		22 ± 6 A		25 ± 3 A	0.59 ± 0.21 V		18 ± 2 A	NR
0271	10/31/88	4	***								
0271	02/01/89	1	***								
0271	05/01/89	2	***								
0174	03/11/87	1	See total radiochemistry.								
0174	05/22/87	2	See total radiochemistry.								
0174	07/23/87	3	9 ± 23	41	8 ± 39	74	2.0 ± 1.3	0.0 ± 0.2		2.5 ± 0.8	5.0
0174	10/21/87	4	8 ± 4		-3 ± 9	17	1.8 ± 0.8	.17 ± .26	.96	2.0 ± 0.8	<1.0
0174	10/21/87	4	***								
0174	03/03/88	1	5 ± 4	14	0 ± 10	22	2.5 ± 0.4	0.02 ± 0.07	0.40	2.1 ± 0.4	NR
0174	04/28/88	2	6 ± 3		2 ± 9	21	2.2 ± 0.4	0.05 ± 0.04	0.08	1.5 ± 0.3	NR
0174	05/09/88	2	***								
0174	08/11/88	3	4 ± 1 A		3 ± 2 A		2.7 ± 0.4 V	0.09 ± 0.05 V		2.0 ± 0.3 V	NR
0174	11/04/88	4	Data not yet received								
0174	01/03/89	4	***								
0174	02/09/89	1	***								
0174	05/03/89	2	4.1 ± 1.2	1.3	7.5 ± 2.7	3.7	NR	NR		NR	NR
0374	03/17/87	1	See total radiochemistry.								
0374	06/03/87	2	See total radiochemistry.								
0374	07/23/87	3	6 ± 22	40	25 ± 41	73	2.0 ± 1.3	0.2 ± 0.3		1.8 ± 0.8	<1.0
0374	08/11/87	3	DRY								
0374	09/03/87	3	***								
0374	10/22/87	4	250 ± 52		327 ± 20		2.3 ± 0.4	.02 ± .05	.12	1.4 ± 0.3	<1.0
0374	10/22/87	4	***								
0374	03/07/88	1	10 ± 7		9 ± 15		2.4 ± 0.3	0.07 ± 0.07		1.6 ± 0.3	NR
0374	05/04/88	2	7 ± 3		6 ± 10	22	2.1 ± 0.3	0.06 ± 0.04	0.15	1.4 ± 0.3	NR
0374	08/19/88	3	5 ± 1 A		4 ± 1 A		2.3 ± 0.4 V	0.09 ± 0.05 V		1.4 ± 0.3 V	NR
0374	11/10/88	4	***								
0374	02/15/89	1	DRY								
0374	05/08/89	2	***								

WEATHERED SANDSTONE

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0271	10/08/87	4	-0.022 ± 0.055	-0.009 ± 0.041	NR	NR	NR	NR
0271	02/25/88	1	0.00 ± 0.17	0.00 ± 0.33	NR	<200	NR	NR
0271	04/20/88	2	0.00 ± 0.03 0.16	0.00 ± 0.18 0.68	NR	<210	NR	NR
0271	07/25/88	3	0.00 ± 0.08 V 0.26	0.06 ± 0.17 A 1.6	NR	<220 V	NR	NR
0271	10/31/88	4	***					
0271	02/01/89	1	***					
0271	05/01/89	2	***					
0174	03/11/87	1	See total radiochemistry.					
0174	05/22/87	2	See total radiochemistry.					
0174	07/23/87	3	0.0 ± 0.7 1.0	.16 ± .58 0.8	NR	<475	NR	NR
0174	10/21/87	4	.01 ± .09 .51	0.00 ± .58 2.0	NR	<460	NR	NR
0174	10/21/87	4	***					
0174	03/03/88	1	0.09 ± 0.11 0.43	0.05 ± 0.42 1.8	NR	<210	NR	NR
0174	04/28/88	2	0.00 ± 0.4 0.15	0.00 ± 0.10 0.37	NR	220 ± 90	NR	NR
0174	05/09/88	2	***					
0174	08/11/88	3	0.00 ± 0.04 V	0.01 ± 0.09 V	NR	220 ± 90 V	NR	NR
0174	11/04/88	4	Data not yet received					
0174	01/03/89	4	***					
0174	02/09/89	1	***					
0174	05/03/89	2	NR	NR	NR	<270	NR	NR
0374	03/17/87	1	See total radiochemistry.					
0374	06/03/87	2	See total radiochemistry.					
0374	07/23/87	3	.10 ± .69 0.7	-.04 ± .28 0.5	NR	<475	NR	NR
0374	08/11/87	3	DRY					
0374	09/03/87	3	***					
0374	10/22/87	4	0.00 ± .10 .12	0.00 ± .08 .39	NR	<520	NR	NR
0374	10/22/87	4	***					
0374	03/07/88	1	0.00 ± 0.16	0.00 ± 0.25	NR	210	NR	NR
0374	05/04/88	2	0.01 ± 0.04 0.14	0.00 ± 0.10 0.44	NR	<220	NR	NR
0374	08/19/88	3	0.03 ± 0.04 V	0.03 ± 0.08 V	NR	230 ± 90 V	NR	NR
0374	11/10/88	4	***					
0374	02/15/89	1	DRY					
0374	05/08/89	2	***					

WEATHERED SANDSTONE

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
6286	04/09/87	1	See total radiochemistry.										
6286	04/29/87	1	See total radiochemistry.										
6286	05/26/87	2	See total radiochemistry.										
6286	07/06/87	3	22 ± 22	33	44 ± 45	76	4.3 ± 1.4		0.5 ± 0.4		3.2 ± 1.0		<1.0
6286	10/14/87	4	13 ± 5		11 ± 10	19	4.0 ± 0.5		.15 ± .07	.17	3.0 ± 0.4		<1.0
6286	02/17/88	1	14 ± 5		1 ± 12		0.56 ± 0.21		0.00 ± 0.05		0.47 ± 0.17		NR
6286	04/13/88	2	13 ± 8	13	24 ± 18	39	4.1 ± 0.7		0.10 ± 0.06	0.23	3.2 ± 0.6		NR
6286	07/14/88	3	5 ± 1 A		6 ± 1 A		3.9 ± 0.4 A		0.10 ± 0.04 A		3.3 ± 0.4 A		NR
6286	10/20/88	4	Data not yet received										
6286	11/14/88	4	***										
6286	01/23/89	1	NR		NR		NR		NR		NR		NR
6286	04/19/89	2	NR		NR		NR		NR		NR		NR
6286	06/10/89	2	27 ± 14		14 ± 8		12 ± 1		0.3 ± 0.1		9.5 ± 0.8		0.3 ± 0.4
0987BR	06/19/87	2	***										
0987BR	10/12/87	4	14 ± 18		27 ± 44		.61 ± .19		.02 ± .04		.38 ± .14		NR
0987BR	10/12/87	4	***										
0987BR	02/25/88	1	2 ± 4		3 ± 12		NR		NR		NR		NR
0987BR	04/19/88	2	5 ± 5	8	9 ± 9	19	0.90 ± 0.27	1.4	0.05 ± 0.03	0.14	0.47 ± 0.25	1.4	NR
0987BR	08/09/88	3	1 ± 1 A	3	-2 ± 1 A	4	NR		NR		NR		NR
0987BR	10/26/88	4	Data not yet received										
0987BR	01/25/89	1	1 ± 2	3	2 ± 2	4	1.1 ± 0.1		0.04 ± 0.03	0.06	0.67 ± 0.11		NR
0987BR	05/01/89	2	1.4 ± .5	.7	3.3 ± 2.2	3.3	NR		NR		NR		NR
0987BR	05/01/89	2	1.8 ± .7	.7	3.0 ± 2.3	3.4	NR		NR		NR		NR
1187BR	09/16/87	3	***										
1187BR	09/16/87	3	28 ± 24		8 ± 40		NR		NR		NR		NR
1187BR	09/21/87	3	NR		NR		9.568 ± 0.980		NR		6.501 ± 0.706		NR
1187BR	10/12/87	4	DRY										
1187BR	02/17/88	1	15 ± 5		-1 ± 11		2.0 ± 0.4		0.05 ± 0.09		1.1 ± 0.3		NR
1187BR	04/13/88	2	***										
1187BR	08/08/88	3	***										
1187BR	10/26/88	4	DRY										
1187BR	02/07/89	1	DRY										
1187BR	05/02/89	2	DRY										
1287BR	08/31/87	3	121 ± 48		47 ± 45		NR		NR		NR		NR
1287BR	02/25/88	1	47 ± 12		46 ± 16		34 ± 3		1.7 ± 0.3		28 ± 2		NR

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Dissolved Radiochemistry Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
6286	04/09/87	1	See total radiochemistry.					
6286	04/29/87	1	See total radiochemistry.					
6286	05/26/87	2	See total radiochemistry.					
6286	07/06/87	3	.06 ± .71 0.6	NR	NR	<493	NR	NR
6286	10/14/87	4	.04 ± .09 .44	0.00 ± .03 1.0	NR	<520	NR	NR
6286	02/17/88	1	0.00 ± 0.18	0.00 ± 0.13	NR	<200	NR	NR
6286	04/13/88	2	0.05 ± 0.06 0.48	0.00 ± 0.16 0.48	NR	<200 200	NR	NR
6286	07/14/88	3	0.00 ± 0.11 V	0.00 ± 0.17 V	NR	220 V	NR	NR
6286	10/20/88	4	Data not yet received					
6286	11/14/88	4	***					
6286	01/23/89	1	NR	NR	NR	<220 V	NR	NR
6286	04/19/89	2	NR	NR	NR	<270	NR	NR
6286	06/10/89	2	0.00 ± 0.01	0.00 ± 0.01	0.3 ± 0.5	80 ± 210	**	**
0987BR	06/19/87	2	***					
0987BR	10/12/87	4	.08 ± .10	0.00 ± .06	NR	510 ± 290	NR	NR
0987BR	10/12/87	4	***					
0987BR	02/25/88	1	0.00 ± 0.35	NR	NR	350 ± 80	NR	NR
0987BR	04/19/88	2	0.00 ± 0.05 0.17	0.04 ± 0.24 1.2	NR	250 ± 90	NR	NR
0987BR	08/09/88	3	NR	NR	NR	370 ± 100 V	NR	NR
0987BR	10/26/88	4	Data not yet received					
0987BR	01/25/89	1	0.03 ± 0.03 0.12	0.01 ± 0.08 0.26	NR	310 ± 110 V	NR	NR
0987BR	05/01/89	2	NR	NR	NR	NR	NR	NR
0987BR	05/01/89	2	NR	NR	NR	NR	NR	NR
1187BR	09/16/87	3	***					
1187BR	09/16/87	3	NR	NR	NR	<440	NR	NR
1187BR	09/21/87	3	0.199 ± 0.072	0.060 ± 0.050	NR	NR	NR	NR
1187BR	10/12/87	4	DRY					
1187BR	02/17/88	1	0.00 ± 0.20	0.00 ± 0.12	NR	<220	NR	NR
1187BR	04/13/88	2	***					
1187BR	08/08/88	3	***					
1187BR	10/26/88	4	DRY					
1187BR	02/07/89	1	DRY					
1187BR	05/02/89	2	DRY					
1287BR	08/31/87	3	NR	NR	NR	NR	NR	NR
1287BR	02/25/88	1	NR	0.00 ± 0.09	NR	<220	NR	NR

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Dissolved Radiochemistry Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
1287BR	04/20/88	2	52 ± 14		57 ± 20		32 ± 3		0.97 ± 0.13		25 ± 2		NR
1287BR	07/25/88	3	37 ± 4 A		22 ± 3 A		27 ± 3 A		0.80 ± 0.13 V		21 ± 2 V		NR
1287BR	10/31/88	4	DRY										
1287BR	02/07/89	1	DRY										
1287BR	05/02/89	2	DRY										
1487BR	08/31/87	3	17 ± 21		23 ± 41		NR		NR		NR		NR
1487BR	10/12/87	4	6 ± 17		16 ± 40		0.00 ± .07		0.00 ± .05		0.00 ± .06		NR
1487BR	10/12/87	4	***										
1487BR	02/29/88	1	10 ± 7		19 ± 13		0.03 ± 0.09		0.00 ± 0.04		0.12 ± 0.09		NR
1487BR	04/21/88	2	8 ± 4		18 ± 11		0.33 ± 0.25	0.86	0.01 ± 0.03	0.09	0.37 ± 0.25	0.84	NR
1487BR	08/08/88	3	1 ± 1 A	3	7 ± 2 A		1.4 ± 0.3 V		0.01 ± 0.04 V	0.08	0.86 ± 0.21 V		NR
1487BR	10/26/88	4	Data not yet received										
1487BR	01/25/89	1	1 ± 1	2	5 ± 2		1.8 ± 0.2		0.05 ± 0.03		1.3 ± 0.2		NR
1487BR	01/25/89	1	NR		NR		NR		NR		NR		NR
1487BR	04/24/89	2	1.0 ± .6	.8	3.6 ± 2.5	3.8	NR		NR		NR		NR
2387BR	09/10/87	3	4 ± 23		14 ± 38		NR		NR		NR		NR
2387BR	09/11/87	3	NR		NR		6.668 ± 0.814		NR		4.299 ± 0.563		NR
2387BR	10/21/87	4	39 ± 27		30 ± 45		NR		NR		NR		NR
2387BR	10/21/87	4	***										
2387BR	10/21/87	4	***										
2387BR	03/02/88	1	6 ± 4	6	11 ± 12	26	3.6 ± 0.4		0.14 ± 0.07	0.17	2.2 ± 0.3		NR
2387BR	04/28/88	2	14 ± 5		5 ± 11	24	3.6 ± 0.4		0.13 ± 0.04	0.16	1.9 ± 0.3		NR
2387BR	05/09/88	2	***										
2387BR	08/10/88	3	5 ± 1 A		5 ± 2 A		3.1 ± 0.5 V		0.08 ± 0.05 V		1.9 ± 0.3 V		NR
2387BR	11/04/88	4	Data not yet received										
2387BR	01/03/89	4	***										
2387BR	02/07/89	1	6 ± 2		4 ± 2		3.3 ± 0.4		0.09 ± 0.04		2.1 ± 0.2		NR
2387BR	05/03/89	2	4.5 ± .7	.6	5.9 ± 2.7	4.0	NR		NR		NR		NR
2587BR	09/10/87	3	14 ± 25		30 ± 36		NR		NR		NR		NR
2587BR	09/11/87	3	NR		NR		3.212 ± 0.429		NR		2.845 ± 0.401		NR
2587BR	10/21/87	4	4 ± 16		-12 ± 37		NR		NR		NR		NR
2587BR	10/21/87	4	***										
2587BR	10/27/87	4	***										
2587BR	03/03/88	1	7 ± 5	8	-2 ± 11	26	1.7 ± 0.30		0.06 ± 0.08	0.40	1.8 ± 0.32		NR
2587BR	05/12/88	2	19 ± 7		8 ± 14	33	1.4 ± 0.3		0.04 ± 0.04	0.10	0.77 ± 0.26	0.81	NR

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
1287BR	04/20/88	2	0.00 ± 0.04 0.17	0.01 ± 0.20 0.75	NR	<210	NR	NR
1287BR	07/25/88	3	0.00 ± 0.08 V 0.23	0.05 ± 0.17 V 1.2	NR	<210 V	NR	NR
1287BR	10/31/88	4	DRY					
1287BR	02/07/89	1	DRY					
1287BR	05/02/89	2	DRY					
1487BR	08/31/87	3	NR	NR	NR	<500	NR	NR
1487BR	10/12/87	4	0.00 ± .15	0.00 ± .22	NR	<460	NR	NR
1487BR	10/12/87	4	***					
1487BR	02/29/88	1	0.00 ± 0.19	0.00 ± 0.11	NR	<210	NR	NR
1487BR	04/21/88	2	0.00 ± 0.03 0.19	0.00 ± 0.16 0.64	NR	<200	NR	NR
1487BR	08/08/88	3	0.00 ± 0.04 V 0.12	0.03 ± 0.09 V 0.56	NR	<210 V	NR	NR
1487BR	10/26/88	4	Data not yet received					
1487BR	01/25/89	1	-0.02 ± 0.02 0.11	-0.01 ± 0.03 0.08	NR	<230 V	NR	NR
1487BR	01/25/89	1	0.00 ± 0.03 0.07	0.01 ± 0.08 0.31	NR	<230	NR	NR
1487BR	04/24/89	2	NR	NR	NR	NR	NR	NR
2387BR	09/10/87	3	NR	NR	NR	<460	NR	NR
2387BR	09/11/87	3	0.002 ± 0.052	0.001 ± 0.036	NR	NR	NR	NR
2387BR	10/21/87	4	NR	NR	NR	<520	NR	NR
2387BR	10/21/87	4	***					
2387BR	10/21/87	4	***					
2387BR	03/02/88	1	0.00 ± 0.19 0.84	0.00 ± 0.17 1.1	NR	<210	NR	NR
2387BR	04/28/88	2	0.00 ± 0.03 0.22	0.00 ± 0.10 0.65	NR	<200	NR	NR
2387BR	05/09/88	2	***					
2387BR	08/10/88	3	0.07 ± 0.05 V	0.00 ± 0.08 V	NR	210 V	NR	NR
2387BR	11/04/88	4	Data not yet received					
2387BR	01/03/89	4	***					
2387BR	02/07/89	1	0.00 ± 0.03 0.09	-0.07 ± 0.08 0.30	NR	<250 V	NR	NR
2387BR	05/03/89	2	NR	NR	NR	<260	NR	NR
2587BR	09/10/87	3	NR	NR	NR	<460	NR	NR
2587BR	09/11/87	3	NR	0.065 ± 0.040	NR	NR	NR	NR
2587BR	10/21/87	4	NR	NR	NR	<520	NR	NR
2587BR	10/21/87	4	***					
2587BR	10/27/87	4	***					
2587BR	03/03/88	1	0.00 ± 0.19 0.78	0.00 ± 0.46 1.3	NR	<210	NR	NR
2587BR	05/12/88	2	0.01 ± 0.04 0.29	0.00 ± 0.09 0.41	NR	<200	NR	NR

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WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
2587BR	08/16/88	3	3 ± 1 A		2 ± 1 A		1.5 ± 0.3 V		0.01 ± 0.03 V		0.82 ± 0.20 V		NR
2587BR	08/16/88	3	3 ± 1 A		3 ± 1 A		1.3 ± 0.3 V		0.01 ± 0.04 V		0.97 ± 0.22 V		NR
2587BR	11/10/88	4	Data not yet received										
2587BR	02/15/89	1	2 ± 3	4	1 ± 2	4	1.8 ± 0.2		0.09 ± 0.04		0.92 ± 0.15		NR
2587BR	05/08/89	2	1.8 ± 1.1	1.5	7.4 ± 2.5	3.3	NR		NR		NR		NR
3687BR	11/05/87	4	***										
3687BR	11/05/87	4	***										
3687BR	11/06/87	4	2 ± 20		-6 ± 39		NR		NR		NR		NR
3687BR	03/09/88	1	17 ± 7		23 ± 14		1.7 ± 0.3		0.10 ± 0.08		0.98 ± 0.22		NR
3687BR	05/04/88	2	10 ± 4		21 ± 11	24	1.1 ± 0.3	1.3	0.00 ± 0.03	0.15	0.63 ± 0.25	1.2	NR
3687BR	08/19/88	3	2 ± 1 A		2 ± 1 A		1.4 ± 0.3 V		0.02 ± 0.04 V		0.92 ± 0.22 V		NR
3687BR	11/10/88	4	Data not yet received										
3687BR	02/15/89	1	4 ± 3		2 ± 2	4	2.3 ± 0.3		0.03 ± 0.02	0.03	1.4 ± 0.2		NR
3687BR	05/08/89	2	3.9 ± 1.5	1.8	6.1 ± 2.6	3.7	NR		NR		NR		NR

UNWEATHERED SANDSTONE

3486	03/17/87	1	See total radiochemistry.										
3486	04/06/87	1	See total radiochemistry.										
3486	06/02/87	2	See total radiochemistry.										
3486	07/28/87	3	0 ± 59	112	9 ± 62	117	1.4 ± 1.3		0.2 ± 0.4		0.4 ± 0.7		<1.0
3486	10/16/87	4	3 ± 10	18	6 ± 11	20	.66 ± .23		.18 ± .11	.22	1.2 ± 0.3		1.2
3486	10/16/87	4	***										
3486	03/02/88	1	6 ± 13	28	4 ± 21	49	0.17 ± 0.16	0.56	0.00 ± 0.04	0.28	0.13 ± 0.13	0.43	NR
3486	05/02/88	2	8 ± 9	17	5 ± 24	55	0.06 ± 0.24	2.1	0.01 ± 0.03	0.24	0.19 ± 0.23	2.0	NR
3486	08/10/88	3	-3 ± 3 A		7 ± 5 A		0.83 ± 0.27 V		0.00 ± 0.03 V		0.10 ± 0.16 V		NR
3486	11/04/88	4	-1 ± 1	8	1 ± 2	14	0.15 ± 0.07	0.21	0.00 ± 0.02	0.06	0.06 ± 0.07	0.25	NR
3486	01/03/89	4	***										
3486	02/09/89	1	5 ± 4	11	13 ± 10	20	0.15 ± 0.08	0.15	-0.01 ± 0.02	0.05	0.11 ± 0.08	0.20	NR
3486	05/03/89	2	7.0 ± 2.6	2.7	10.2 ± 3.1	4.0	NR		NR		NR		NR
4086	05/06/87	1	See total radiochemistry.										
4086	06/01/87	2	***										
4086	07/21/87	3	DRY										
4086	10/26/87	4	106 ± 18		207 ± 15		6.7 ± 0.8		.19 ± .09		3.6 ± 0.5		<1.0
4086	10/26/87	4	***										

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Dissolved Radiochemistry Ground-Water Sampling Results

WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
2587BR	08/16/88	3	0.00 ± 0.04 V	0.00 ± 0.08 V	NR	210 V	NR	NR
2587BR	08/16/88	3	0.01 ± 0.04 V	0.07 ± 0.08 V	NR	210 V	NR	NR
2587BR	11/10/88	4	Data not yet received					
2587BR	02/15/89	1	0.01 ± 0.03 0.07	-0.08 ± 0.08 0.36	NR	<260 V	NR	NR
2587BR	05/08/89	2	NR	NR	NR	NR	NR	NR
3687BR	11/05/87	4	***					
3687BR	11/05/87	4	***					
3687BR	11/06/87	4	NR	NR	NR	NR	NR	NR
3687BR	03/09/88	1	0.00 ± 0.12	0.00 ± 0.15	NR	210 ± 92	NR	NR
3687BR	05/04/88	2	0.00 ± 0.05 0.10	NR	NR	<220	NR	NR
3687BR	08/19/88	3	0.03 ± 0.04 V	0.04 ± 0.08 V	NR	310 ± 90 V	NR	NR
3687BR	11/10/88	4	Data not yet received					
3687BR	02/15/89	1	0.02 ± 0.03 0.07	0.00 ± 0.05 0.10	NR	<260 V	NR	NR
3687BR	05/08/89	2	NR	NR	NR	NR	NR	NR

UNWEATHERED SANDSTONE

3486	03/17/87	1	See total radiochemistry.					
3486	04/06/87	1	See total radiochemistry.					
3486	06/02/87	2	See total radiochemistry.					
3486	07/28/87	3	-.06 ± .72 0.8	-0.4 ± 5.5 1.0	NR	<478	NR	NR
3486	10/16/87	4	0.00 ± .07 1.3	0.00 ± .09 .26	NR	<460	NR	NR
3486	10/16/87	4	***					
3486	03/02/88	1	0.00 ± 0.40 3.6	0.00 ± 0.47 3.0	NR	<210	NR	NR
3486	05/02/88	2	0.00 ± 0.04 0.13	0.02 ± 0.10 0.33	NR	<210	NR	NR
3486	08/10/88	3	0.00 ± 0.04 V	0.00 ± 0.09 V	NR	210 V	NR	NR
3486	11/04/88	4	0.00 ± 0.03 0.05	0.11 ± 0.05 0.29	NR	<220	NR	NR
3486	01/03/89	4	***					
3486	02/09/89	1	-0.03 ± 0.10 0.16	-0.01 ± 0.08 0.41	NR	<260 V	NR	NR
3486	05/03/89	2	NR	NR	NR	<270	NR	NR
4086	05/06/87	1	See total radiochemistry.					
4086	06/01/87	2	***					
4086	07/21/87	3	DRY					
4086	10/26/87	4	0.00 ± .14 .84	0.00 ± 1.6 4.4	NR	<460	NR	NR
4086	10/26/87	4	***					

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Dissolved Radiochemistry Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
4086	03/10/88	1	46 ± 16		23 ± 16		6.1 ± 1.8		0.45 ± 0.39		3.9 ± 1.3		NR
4086	05/12/88	2	17 ± 6		2 ± 14	33	4.8 ± 0.5		0.12 ± 0.04	0.20	2.3 ± 0.3		NR
4086	08/24/88	3	***										
4086	11/16/88	4	***										
4086	02/15/89	1	***										
4086	02/15/89	1	***										
4086	05/10/89	2	6.3 ± 1.4	1.1	5.4 ± 2.7	3.9	NR		NR		NR		NR
1687BR	09/10/87	3	14 ± 24		23 ± 40		NR		NR		NR		NR
1687BR	09/15/87	3	14 ± 24		23 ± 40		NR		NR		NR		NR
1687BR	10/16/87	4	48 ± 27		17 ± 39		3.7 ± 0.5		.21 ± .08		2.2 ± .34		NR
1687BR	10/16/87	4	***										
1687BR	02/29/88	1	10 ± 4		12 ± 18		4.0 ± 0.4		0.14 ± 0.07		1.8 ± 0.2		NR
1687BR	04/21/88	2	12 ± 4		16 ± 10		3.7 ± 0.3		0.04 ± 0.03	0.09	1.7 ± 0.2		NR
1687BR	08/09/88	3	2 ± 1 A	3	0 ± 2 A	4	NR		NR		NR		NR
1687BR	10/31/88	4	Data not yet received										
1687BR	02/07/89	1	2 ± 1	3	6 ± 2		2.7 ± 0.3		0.03 ± 0.02	0.06	1.2 ± 0.2		NR
1687BR	05/01/89	2	4.4 ± 1.0	.7	8.3 ± 2.6	3.5	NR		NR		NR		NR
1887BR	10/27/87	4	DRY										
1887BR	03/07/88	1	7 ± 9	16	24 ± 15	34	0.23 ± 0.30	1.1	0.09 ± 0.12	0.9	0.21 ± 0.24	1.2	NR
1887BR	05/02/88	2	***										
1887BR	08/15/88	3	***										
1887BR	11/04/88	4	***										
1887BR	01/03/89	4	***										
1887BR	02/07/89	1	***										
1887BR	05/03/89	2	***										
2087BR	10/26/87	4	***										
2087BR	10/26/87	4	***										
2087BR	03/03/88	1	8 ± 12	27	37 ± 22	47	NR		NR		NR		NR
2087BR	05/09/88	2	***										
2087BR	08/11/88	3	***										
2087BR	11/08/88	4	***										
2087BR	02/07/89	1	***										
2087BR	05/03/89	2	***										
2287BR	03/07/88	1	22 ± 9		12 ± 16	36	3.0 ± 0.4		0.18 ± 0.10	0.30	1.6 ± 0.3		NR

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l		Americium 241 pCi/l		Cesium 137 pCi/l	Tritium pCi/l		Radium 226 pCi/l	Radium 228 pCi/l
4086	03/10/88	1	0.00 ± 0.11		0.00 ± 0.53		NR	220		NR	NR
4086	05/12/88	2	0.00 ± 0.03	0.18	0.00 ± 0.09	0.89	NR	<210		NR	NR
4086	08/24/88	3	***								
4086	11/16/88	4	***								
4086	02/15/89	1	***								
4086	02/15/89	1	***								
4086	05/10/89	2	NR		NR		NR	NR		NR	NR
1687BR	09/10/87	3	NR		NR		NR	<500		NR	NR
1687BR	09/15/87	3	NR		NR		NR	<500		NR	NR
1687BR	10/16/87	4	.05 ± .09		.01 ± .07		NR	<460		NR	NR
1687BR	10/16/87	4	***								
1687BR	02/29/88	1	0.00 ± 0.14		0.03 ± 0.12		NR	<220		NR	NR
1687BR	04/21/88	2	0.02 ± 0.04	0.14	0.02 ± 0.16	0.51	NR	<210		NR	NR
1687BR	08/09/88	3	0.00 ± 0.04 V	0.12	0.02 ± 0.09 V	0.36	NR	<210	V	NR	NR
1687BR	10/31/88	4	Data not yet received								
1687BR	02/07/89	1	-0.08 ± 0.09	0.17	0.03 ± 0.08	0.48	NR	<230	V	NR	NR
1687BR	05/01/89	2	NR		NR		NR	NR		NR	NR
1887BR	10/27/87	4	DRY								
1887BR	03/07/88	1	0.02 ± 0.09	0.4	0.00 ± 0.24	1.2	NR	<220		NR	NR
1887BR	05/02/88	2	***								
1887BR	08/15/88	3	***								
1887BR	11/04/88	4	***								
1887BR	01/03/89	4	***								
1887BR	02/07/89	1	***								
1887BR	05/03/89	2	***								
2087BR	10/26/87	4	***								
2087BR	10/26/87	4	***								
2087BR	03/03/88	1	0.00 ± 0.18	0.68	0.00 ± 0.24	1.1	NR	<200		NR	NR
2087BR	05/09/88	2	***								
2087BR	08/11/88	3	***								
2087BR	11/08/88	4	***								
2087BR	02/07/89	1	***								
2087BR	05/03/89	2	***								
2287BR	03/07/88	1	0.00 ± 0.16	0.48	0.00 ± 0.31	1.6	NR	<200		NR	NR

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
2287BR	05/02/88	2	6 ± 6	10	5 ± 16	36	2.8 ± 0.4		0.14 ± 0.05	0.13	1.0 ± 0.3	1.1	NR
2287BR	08/10/88	3	3 ± 1 A		11 ± 2 A		3.0 ± 0.5 V		0.02 ± 0.04 V		1.2 ± 0.2 V		NR
2287BR	11/09/88	4	3 ± 2	4	12 ± 2		3.4 ± 0.4		0.02 ± 0.03	0.04	1.4 ± 0.2		NR
2287BR	02/09/89	1	5 ± 3		11 ± 2		3.9 ± 0.4		0.03 ± 0.03	0.06	1.4 ± 0.2		NR
2287BR	05/03/89	2	7.5 ± 1.3	1.3	12.5 ± 3.1	4.0	NR		NR		NR		NR
2887BR	03/14/88	1	6 ± 5		14 ± 12		0.98 ± 0.20		0.01 ± 0.05		0.25 ± 0.11		NR
2887BR	05/12/88	2	4 ± 4	8	-10 ± 15	36	5.2 ± 0.5		0.07 ± 0.04	0.14	1.6 ± 0.3		NR
2887BR	08/22/88	3	***										
2887BR	11/16/88	4	***										
2887BR	02/20/89	1	7 ± 2		6 ± 2		6.9 ± 0.7		0.07 ± 0.03		1.8 ± 0.2		NR
2887BR	05/08/89	2	***										
3087BR	01/22/88	4	1 ± 5	10	3 ± 12	23	.34 ± .12	.38	.01 ± .04	.14	.11 ± .09	.26	<1.0
3087BR	03/02/88	1	33 ± 11		4 ± 27		NR		NR		NR		NR
3087BR	04/21/88	2	3 ± 5	10	1 ± 10	21	0.56 ± 0.27	0.87	0.00 ± 0.03	0.09	0.53 ± 0.26	0.85	NR
3087BR	08/08/88	3	2 ± 1 A	3	-2 ± 1 A	4	0.72 ± 0.26 V		0.00 ± 0.03 V	0.07	0.24 ± 0.17 V	0.41	NR
3087BR	08/09/88	3	-1 ± 1 A	3	-1 ± 1 A	4	0.92 ± 0.28 V		0.00 ± 0.03 V	0.06	0.37 ± 0.18 V		NR
3087BR	10/26/88	4	Data not yet received										
3087BR	10/27/88	4	Data not yet received										
3087BR	02/01/89	1	0 ± 1	2	3 ± 2	4	0.32 ± 0.08		0.00 ± 0.02	0.04	0.09 ± 0.07	0.16	NR
3087BR	04/24/89	2	1.5 ± .4	.5	2.8 ± 2.6	4.0	NR		NR		NR		NR
3187BR	10/28/87	4	36 ± 34		26 ± 43		NR		NR		NR		NR
3187BR	10/28/87	4	***										
3187BR	03/10/88	1	14 ± 8		15 ± 16		NR		NR		NR		NR
3187BR	05/12/88	2	12 ± 6		2 ± 14	32	0.27 ± 0.24	0.82	0.08 ± 0.04	0.09	0.24 ± 0.23	0.79	NR
3187BR	08/25/88	3	1 ± 1 A		4 ± 1 A		1.2 ± 0.3 V		0.00 ± 0.03 V		0.45 ± 0.18 V		NR
3187BR	11/22/88	4	Data not yet received										
3187BR	02/22/89	1	2 ± 1		4 ± 2		1.5 ± 0.2		0.03 ± 0.03	0.07	0.44 ± 0.09		NR
3187BR	05/10/89	2	1.9 ± 1.0	1.2	5.4 ± 2.6	3.7	NR		NR		NR		NR
3487BR	03/09/88	1	4 ± 10		16 ± 16		2.9 ± 0.5		0.21 ± 0.12		0.90 ± 0.23		NR
3487BR	05/12/88	2	1 ± 5	12	7 ± 8	19	3.8 ± 0.5		0.07 ± 0.04	0.09	1.0 ± 0.3		NR
3487BR	05/12/88	2	6 ± 4	7	4 ± 8	18	3.5 ± 0.5		0.04 ± 0.03	0.25	1.3 ± 0.3	2.1	NR
3487BR	08/24/88	3	***										
3487BR	09/28/88	3	***										
3487BR	11/16/88	4	***										

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
2287BR	05/02/88	2	0.00 ± 0.04 0.16	0.00 ± 0.10 0.35	NR	<210	NR	NR
2287BR	08/10/88	3	0.00 ± 0.04 V	0.02 ± 0.08 V	NR	210 V	NR	NR
2287BR	11/09/88	4	-0.8 ± 0.13 0.35	-0.6 ± 0.5 0.24	NR	<220	NR	NR
2287BR	02/09/89	1	-0.05 ± 0.10 0.13	0.11 ± 0.08 0.58	NR	<250 V	NR	NR
2287BR	05/03/89	2	NR	NR	NR	<270	NR	NR
2887BR	03/14/88	1	0.00 ± 0.23	0.00 ± 0.29	NR	210	NR	NR
2887BR	05/12/88	2	0.00 ± 0.03 0.14	0.01 ± 0.07 0.65	NR	<220	NR	NR
2887BR	08/22/88	3	***					
2887BR	11/16/88	4	***					
2887BR	02/20/89	1	-0.02 ± 0.03 0.07	0.05 ± 0.05 0.15	NR	<260 V	NR	NR
2887BR	05/08/89	2	***					
3087BR	01/22/88	4	0.00 ± .15 .85	.17 ± .12 .43	NR	<200	NR	NR
3087BR	03/02/88	1	0.00 ± 0.25	0.05 ± 0.13	NR	<220	NR	NR
3087BR	04/21/88	2	0.00 ± 0.04 0.13	0.01 ± 0.16 0.83	NR	<210	NR	NR
3087BR	08/08/88	3	0.00 ± 0.04 V 0.09	0.00 ± 0.09 V 0.48	NR	<210 V	NR	NR
3087BR	08/09/88	3	0.00 ± 0.04 V 0.14	0.00 ± 0.09 V 0.48	NR	<210 V	NR	NR
3087BR	10/26/88	4	Data not yet received					
3087BR	10/27/88	4	Data not yet received					
3087BR	02/01/89	1	0.01 ± 0.10 0.16	0.06 ± 0.08 0.56	NR	<230 V	NR	NR
3087BR	04/24/89	2	NR	NR	NR	NR	NR	NR
3187BR	10/28/87	4	NR	NR	NR	<460	NR	NR
3187BR	10/28/87	4	***					
3187BR	03/10/88	1	0.00 ± 0.11	0.00 ± 0.17	NR	220	NR	NR
3187BR	05/12/88	2	0.00 ± 0.04 0.19	0.03 ± 0.09 1.4	NR	<200	NR	NR
3187BR	08/25/88	3	0.00 ± 0.04 V	0.08 ± 0.08 A	NR	200 V	NR	NR
3187BR	11/22/88	4	Data not yet received					
3187BR	02/22/89	1	0.00 ± 0.03 0.06	-0.04 ± 0.08 0.39	NR	<260 V	NR	NR
3187BR	05/10/89	2	NR	NR	NR	NR	NR	NR
3487BR	03/09/88	1	0.00 ± 0.15	0.00 ± 0.24	NR	200	NR	NR
3487BR	05/12/88	2	0.00 ± 0.03 0.16	0.03 ± 0.12 0.72	NR	<210	NR	NR
3487BR	05/12/88	2	0.00 ± 0.03 0.14	0.00 ± 0.09 0.53	NR	<210	NR	NR
3487BR	08/24/88	3	***					
3487BR	09/28/88	3	***					
3487BR	11/16/88	4	***					

VALUE QUALIFIERS: *NR = Analyte not reported* *** = *Insufficient Sample for Radiochemistry Analyses*

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l	Uranium 235 pCi/l		Uranium 238 pCi/l	Strontium 89, 90 pCi/l
3487BR	02/20/89	1	4 ± 2		3 ± 3	8	3.2 ± 0.3	0.04 ± 0.02		1.0 ± 0.1	NR
3487BR	05/10/89	2	***								
4587BR	11/23/87	4	32 ± 9		113 ± 13		2.7 ± 0.4	.08 ± .05	.10	1.4 ± 0.2	<1.0
4587BR	11/23/87	4	***								
4587BR	02/25/88	1	9 ± 5		29 ± 11		2.7 ± 0.4	0.12 ± 0.10		1.2 ± 0.3	NR
4587BR	04/18/88	2	7 ± 8	14	21 ± 15	32	1.9 ± 0.2	0.03 ± 0.03	0.10	1.1 ± 0.2	NR
4587BR	07/21/88	3	2 ± 1 A		14 ± 2 A		1.3 ± 0.2 V	0.02 ± 0.04 V		0.79 ± 0.20 V	NR
4587BR	10/17/88	4	Data not yet received								
4587BR	01/23/89	1	NR		NR		NR	NR		NR	NR
4587BR	04/19/89	2	3.5 ± 1.3	1.5	11.1 ± 3.0	3.8	NR	NR		NR	NR
4587BR	06/13/89	2	Data not yet received								

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Operable Unit No. 2

Dissolved Radiochemistry Ground-Water Sampling Results

UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr.	Plutonium 239, 240 pCi/l			Americium 241 pCi/l			Cesium 137 pCi/l	Tritium pCi/l		Radium 226 pCi/l	Radium 228 pCi/l
3487BR	02/20/89	1	-0.02 ± 0.03	0.06		0.01 ± 0.05	0.07		NR	<260	V	NR	NR
3487BR	05/10/89	2	***										
4587BR	11/23/87	4	.00 ± .12	.56		0.0 ± 1.4	6.9		NR	<220		NR	NR
4587BR	11/23/87	4	***										
4587BR	02/25/88	1	0.00 ± 0.18			NR			NR	<200		NR	NR
4587BR	04/18/88	2	0.00 ± 0.03	0.15		0.10 ± 0.16	0.81		NR	<200		NR	NR
4587BR	07/21/88	3	0.00 ± 0.04	V		0.00 ± 0.12	V		NR	210	V	NR	NR
4587BR	10/17/88	4	Data not yet received										
4587BR	01/23/89	1	NR			NR			NR	<230	V	NR	NR
4587BR	04/19/89	2	NR			NR			NR	<270		NR	NR
4587BR	06/13/89	2	Data not yet received										

VALUE QUALIFIERS: NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX C

OPERABLE UNIT NO. 2

SURFACE WATER SAMPLING RESULTS

APPENDIX C-1

VOLATILE ORGANIC COMPOUNDS

SURFACE WATER SAMPLING RESULTS

Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-026	05/12/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-026	06/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-026	06/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-026	10/05/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-026	10/06/89	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-026	10/11/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-026	10/17/89	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-026	10/23/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-027	07/22/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-027	07/07/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-027	03/21/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-027	05/18/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-027	06/22/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-027	07/17/89	Data not yet received								
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-027	10/11/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-028	07/22/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-026	05/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-026	06/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-026	06/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-026	10/05/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-026	10/06/89	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-026	10/11/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-026	10/17/89	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-026	10/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-027	07/22/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-027	07/07/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-027	03/21/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-027	05/18/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-027	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-027	07/17/89	Data not yet received								
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-027	10/11/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-028	07/22/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-026	07/06/88	DRY						
SW-026	03/21/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-026	05/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-026	06/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-026	06/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-026	07/17/89	DRY						
SW-026	08/11/89	DRY						
SW-026	09/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-026	10/05/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-026	10/06/89	Insufficient Sample or Volatile Organic Analysis not requested.						
SW-026	10/11/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-026	10/17/89	Insufficient Sample or Volatile Organic Analysis not requested.						
SW-026	10/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-026	11/08/89	Data not yet received						
SW-026	12/12/89	Data not yet received						
SW-026	01/18/90	Data not yet received						
SW-026	02/21/90	Data not yet received						
SW-026	03/26/90	Data not yet received						
SW-026	03/26/90	Data not yet received						
SW-027	08/21/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-027	07/22/87	5 U	NR	NR	NR	NR	NR	NR
SW-027	07/07/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-027	03/21/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-027	05/18/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-027	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-027	07/17/89	Data not yet received						
SW-027	08/11/89	Data not yet received						
SW-027	09/15/89	5 U	5 U	2 J	5 U	5 U	5 U	5 U
SW-027	10/11/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-027	11/08/89	Data not yet received						
SW-027	12/15/89	Data not yet received						
SW-027	01/29/90	Data not yet received						
SW-027	02/12/90	Data not yet received						
SW-028	08/21/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-028	07/22/87	5 U	NR	NR	NR	NR	NR	NR

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Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-028	07/06/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-028	07/06/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-028	03/28/89	10 U V	10 U V	10 U V	10 U V	1 JB A	3 JB A	5 U V	5 U V	5 U V
SW-028	05/23/89	10 U V	10 U V	10 U V	10 U V	11 B A	10 U V	5 U V	5 U V	5 U V
SW-028	06/22/89	10 U	10 U	10 U	10 U	3 JB	9 JB	5 U	5 U	5 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	10 U	10 U	10 U	10 U	4 JB	10 U	5 U	5 U	5 U
SW-028	10/12/89	10 U	10 U	10 U	10 U	2 JB	10 U	5 U	5 U	5 U
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	NR	NR	NR	NR	NR	NR	NR	4 U	NR
SW-029	11/10/87	10 U	10 U	10 U	10 U	19	10 U	5 U	5 U	5 U
SW-029	06/23/88	10 U	10 U	10 U	10 U	5 B	5 JB	5 U	5 U	5 U
SW-029	03/28/89	10 U V	10 U V	10 U V	10 U V	1 JB A	3 JB A	5 U V	5 U V	5 U V
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	10 U	10 U	10 U	10 U	2 JB	2 JB	5 U	5 U	5 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-029	09/25/89	10 U	10 U	10 U	10 U	3 JB	10 U	5 U	5 U	5 U
SW-029	10/20/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-029	11/09/89	10 U	10 U	10 U	10 U	2 JB	10 U	5 U	5 U	5 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	NR	NR	NR	NR	NR	NR	NR	4 U	NR
SW-030	07/29/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-030	11/10/87	10 U	10 U	10 U	10 U	21	10 U	5 U	5 U	5 U
SW-030	06/29/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-030	06/29/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-028	07/06/88	NR	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
SW-028	07/06/88	NR	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
SW-028	03/28/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-028	05/23/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-028	06/22/89	5 U	5 U	5 U	10 U	5 U	5 U	2 J	5 U	5 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-028	10/12/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
SW-029	11/10/87	5 U	5 U	5 U	10 U	5 U	7	10 U	5 U	5 U
SW-029	06/23/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-029	03/28/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	5 U	5 U	5 U	10 U	5 U	5 U	1 J	5 U	5 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-029	09/25/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-029	10/20/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-029	11/09/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
SW-030	07/29/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-030	11/10/87	5 U	5 U	5 U	10 U	5 U	7	10 U	5 U	5 U
SW-030	06/29/88	NR	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
SW-030	06/29/88	NR	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U

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Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-028	07/06/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-028	07/06/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-028	03/28/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-028	05/23/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-028	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-028	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
SW-029	11/10/87	5 U	42	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-029	06/23/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-029	03/28/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-029	09/25/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-029	10/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-029	11/09/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
SW-030	07/29/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-030	11/10/87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-030	06/29/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-030	06/29/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-028	07/06/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-028	07/06/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-028	03/28/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-028	05/23/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-028	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-028	07/19/89	DRY						
SW-028	08/15/89	DRY						
SW-028	09/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-028	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-028	11/08/89	Data not yet received						
SW-028	12/15/89	Data not yet received						
SW-028	01/18/90	Data not yet received						
SW-028	02/23/90	Data not yet received						
SW-029	08/20/86	DRY						
SW-029	05/26/87	4 U	NR	NR	NR	NR	NR	NR
SW-029	11/10/87	5 U	5 U	11	5 U	5 U	5 U	5 U
SW-029	06/23/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-029	03/28/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-029	05/24/89	Data not yet received						
SW-029	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-029	07/20/89	DRY						
SW-029	08/11/89	DRY						
SW-029	09/25/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-029	09/25/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-029	10/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-029	11/09/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-029	12/08/89	Data not yet received						
SW-029	01/16/90	Data not yet received						
SW-029	02/08/90	Data not yet received						
SW-030	08/20/86	DRY						
SW-030	05/26/87	4 U	NR	NR	NR	NR	NR	NR
SW-030	07/29/87	5 U	NR	NR	NR	NR	NR	NR
SW-030	11/10/87	5 U	5 U	12	5 U	5 U	5 U	5 U
SW-030	06/29/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-030	06/29/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-030	03/28/89	10 U V	10 U V	10 U V	10 U V	2 JB A	3 JB A	5 U V	5 U V	5 U V
SW-030	05/16/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-030	06/22/89	10 U	10 U	10 U	10 U	4 JB	4 JB	5 U	5 U	5 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	10 U	10 U	10 U	10 U	7 B	10 U	5 U	5 U	5 U
SW-030	08/21/89	10 U	10 U	10 U	10 U	6 B	10 U	5 U	5 U	5 U
SW-030	09/25/89	10 U	10 U	10 U	10 U	2 JB	7 JB	5 U	5 U	5 U
SW-030	10/20/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	NR	NR	NR	NR	NR	NR	NR	140	NR
SW-050	06/27/88	10 U	10 U	10 U	10 U	2 JB	4 JB	5 U	5 U	5 U
SW-050	06/27/88	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-050	07/18/89	10 U V	10 U V	10 U V	10 U V	5 U V	1 JB R	5 U V	5 U V	5 U V
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	NR	NR	NR	NR	NR	NR	NR	101	NR
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-051	07/18/89	DRY								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-030	03/28/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-030	05/16/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-030	06/22/89	5 U	5 U	5 U	10 U	5 U	5 U	1 J	5 U	5 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-030	08/21/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-030	09/25/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-030	10/20/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	5 U	84	5 U	NR	5 U	1005	NR	NR	NR
SW-050	06/27/88	NR	6	5 U	10 U	1 J	9	10 U	5 U	5 U
SW-050	06/27/88	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	5 U	8	5 U	10 U	5 U	2 J	10 U	5 U	5 U
SW-050	07/18/89	5 U V	6 V	5 U V	10 U V	5 U V	10 V	10 U V	5 U V	5 U V
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	5 U	5 U	5 U	NR	5 U	282	NR	NR	NR
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	5 U	4 J	5 U	10 U	5 U	46	10 U	5 U	5 U
SW-051	07/18/89	DRY								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-030	03/28/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-030	05/16/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-030	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-030	08/21/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-030	09/25/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-030	10/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	NR	40	NR	5 U	NR	NR	NR	NR	NR
SW-050	06/27/88	5 U	13	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-050	06/27/88	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	5 U	9	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-050	07/18/89	5 U V	8 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	NR	17	NR	5 U	NR	NR	NR	NR	NR
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	5 U	5	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-051	07/18/89	DRY								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-030	03/28/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-030	05/16/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-030	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-030	07/20/89	DRY						
SW-030	08/21/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-030	08/21/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-030	09/25/89	5 U	5 U	5 U	5 U	5	5 U	5 U
SW-030	10/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-030	11/09/89	DRY						
SW-030	12/01/89	DRY						
SW-030	01/05/90	DRY						
SW-030	02/02/90	DRY						
SW-030	03/15/90	Data not yet received						
SW-050	/ /	DRY						
SW-050	07/21/87	65	NR	NR	NR	NR	NR	NR
SW-050	06/27/88	50	5 U	5 U	5 U	5 U	5 U	5 U
SW-050	06/27/88	Insufficient Sample or Volatile Organic Analysis not requested.						
SW-050	04/17/89	DRY						
SW-050	05/10/89	DRY						
SW-050	06/27/89	15	5 U	5 U	5 U	5 U	5 U	5 U
SW-050	07/18/89	19 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-050	08/11/89	DRY						
SW-050	09/12/89	DRY						
SW-050	10/04/89	DRY						
SW-050	11/03/89	DRY						
SW-050	12/01/89	DRY						
SW-050	01/05/90	DRY						
SW-050	02/02/90	DRY						
SW-050	03/17/90	DRY						
SW-051	07/21/87	44	NR	NR	NR	NR	NR	NR
SW-051	06/23/88	DRY						
SW-051	04/17/89	DRY						
SW-051	05/10/89	DRY						
SW-051	06/27/89	9	5 U	5 U	5 U	5 U	5 U	5 U
SW-051	07/18/89	DRY						

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Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	NR	NR	NR	NR	NR	NR	NR	73	NR
SW-052	06/23/88	10 U	10 U	10 U	10 U	6 B	7 JB	5 U	5 U	5 U
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-053	06/23/88	10 U	10 U	10 U	10 U	6 B	9 JB	5 U	5 U	5 U
SW-053	06/23/88	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-053	04/05/89	10 U V	10 U V	10 U V	10 U V	5 B A	8 JB A	2 J A	5 U V	5 U V
SW-053	05/23/89	10 U V	10 U V	10 U V	10 U V	9 B A	10 U V	5 U V	5 U V	5 U V
SW-053	06/26/89	10 U	10 U	10 U	10 U	5 U	11	5 U	5 U	5 U
SW-053	07/19/89	DRY								
SW-053	08/15/89	10 U	10 U	10 U	10 U	5 U	3 J	5 U	5 U	5 U
SW-053	09/20/89	10 U	10 U	10 U	10 U	5 U	4 JB	5 U	5 U	5 U
SW-053	10/12/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-052	06/23/88	NR	2 J	5 U	10 U	1 J	3 J	10 U	5 U	5 U
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-053	06/23/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-053	06/23/88	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-053	04/05/89	27 V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
SW-053	05/23/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-053	06/26/89	27	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-053	07/19/89	DRY								
SW-053	08/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-053	09/20/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-053	10/12/89	42	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-052	06/23/88	5 U	9	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-053	06/23/88	5 U	2 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-053	06/23/88	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-053	04/05/89	5 U V	13 V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-053	05/23/89	5 U V	2 J A	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-053	06/26/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-053	07/19/89	DRY								
SW-053	08/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-053	09/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-053	10/12/89	5 U	1 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-051	08/11/89	DRY						
SW-051	09/12/89	DRY						
SW-051	10/04/89	DRY						
SW-051	11/03/89	DRY						
SW-051	12/01/89	DRY						
SW-051	01/05/90	DRY						
SW-051	02/02/90	DRY						
SW-052	07/21/87	5 U	NR	NR	NR	NR	NR	NR
SW-052	06/23/88	28	5 U	5 U	5 U	5 U	5 U	5 U
SW-052	04/17/89	DRY						
SW-052	05/10/89	DRY						
SW-052	06/09/89	DRY						
SW-052	07/07/89	DRY						
SW-052	08/11/89	DRY						
SW-052	09/28/89	DRY						
SW-052	10/04/89	DRY						
SW-052	11/03/89	DRY						
SW-052	12/01/89	DRY						
SW-052	01/05/90	DRY						
SW-052	02/02/90	DRY						
SW-052	03/17/90	DRY						
SW-053	07/21/87	5 U	NR	NR	NR	NR	NR	NR
SW-053	06/23/88	5 U	5 U	2 J	5 U	5 U	5 U	5 U
SW-053	06/23/88	Insufficient Sample or Volatile Organic Analysis not requested.						
SW-053	04/05/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-053	05/23/89	5 U V	5 U V	2 J A	5 U A	5 U A	5 U A	5 U A
SW-053	06/26/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-053	07/19/89	DRY						
SW-053	08/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-053	09/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-053	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-053	11/07/89	Data not yet received						
SW-053	12/15/89	Data not yet received						
SW-053	01/17/90	Data not yet received						
SW-053	02/13/90	Data not yet received						

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Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-054	/ /	DRY								
SW-054	07/05/88	10 U	10 U	10 U	10 U	6.1	10 U	5.0 U	5.0 U	5.0 U
SW-054	03/21/89	10 U A	10 U A	10 U A	10 U A	28 B A	3 U A	5 U A	5 U A	5 U A
SW-054	05/18/89	10 U	10 U	10 U	10 U	5 U	2 JB	5 U	5 U	5 U
SW-054	06/22/89	10 U	10 U	10 U	10 U	2 JB	10 U	5 U	5 U	5 U
SW-054	07/19/89	10 U V	10 U V	10 U V	10 U V	5 U V	5 JB R	5 U V	5 U V	5 U V
SW-054	08/15/89	10 U	10 U	10 U	10 U	1 JB	2 J	5 U	5 U	5 U
SW-054	09/21/89	10 U	10 U	10 U	10 U	11	10 U	5 U	5 U	5 U
SW-054	10/12/89	10 U	10 U	10 U	10 U	1 JB	10 U	5 U	5 U	5 U
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	NR	NR	NR	NR	NR	NR	NR	50	NR
SW-055	07/21/87	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-055	06/22/88	10 U	10 U	2 J	10 U	5 B	5 JB	5 U	5 U	5 U
SW-055	04/17/89	10 U	10 U	10 U	10 U	5 U	5 J	5 U	5 U	5 U
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-055	07/18/89	10 U V	10 U V	10 U V	10 U V	5 U V	1 JB R	5 U V	5 U V	5 U V
SW-055	08/16/89	10 U	10 U	10 U	10 U	1 JB	3 JB	5 U	5 U	5 U
SW-055	09/20/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-055	10/19/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-055	11/09/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	NR	NR	NR	NR	NR	NR	NR	48	NR
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-054	/ /	DRY								
SW-054	07/05/88	NR	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
SW-054	03/21/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-054	05/18/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-054	06/22/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-054	07/19/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-054	08/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-054	09/21/89	5 U	5 U	5 U	10 U	5	5 U	10 U	5 U	5 U
SW-054	10/12/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-055	07/21/87	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-055	06/22/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-055	04/17/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-055	07/18/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-055	08/16/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-055	09/20/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-055	10/19/89	11	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-055	11/09/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-054	/ /	DRY								
SW-054	07/05/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-054	03/21/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-054	05/18/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-054	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-054	07/19/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-054	08/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-054	09/21/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-054	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-055	07/21/87	Insufficient Sample or Volatile Organic Analysis not requested.								
SW-055	06/22/88	5 U	87	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-055	04/17/89	5 U	44	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	5 U	19	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-055	07/18/89	5 U V	19 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-055	08/16/89	5 U	28	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-055	09/20/89	5 U	24	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-055	10/19/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-055	11/09/89	5 U	65	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-054	/ /	DRY						
SW-054	07/05/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-054	03/21/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-054	05/18/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-054	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-054	07/19/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-054	08/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-054	09/21/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-054	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-054	11/03/89	Data not yet received						
SW-054	12/12/89	Data not yet received						
SW-054	12/12/89	Data not yet received						
SW-054	01/18/90	Data not yet received						
SW-054	02/12/90	Data not yet received						
SW-055	07/21/87	5 U	NR	NR	NR	NR	NR	NR
SW-055	07/21/87	Insufficient Sample or Volatile Organic Analysis not requested.						
SW-055	06/22/88	2 J	5 U	1 J	5 U	5 U	5 U	5 U
SW-055	04/17/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-055	05/25/89	Data not yet received						
SW-055	06/28/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-055	07/18/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-055	08/16/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-055	09/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-055	10/19/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-055	11/09/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-055	12/07/89	Data not yet received						
SW-055	01/16/90	Data not yet received						
SW-055	02/23/90	Data not yet received						
SW-055	03/15/90	Data not yet received						
SW-057	07/21/87	5 U	NR	NR	NR	NR	NR	NR
SW-057	06/23/88	DRY						
SW-057	04/17/89	DRY						
SW-057	05/10/89	DRY						
SW-057	06/09/89	DRY						
SW-057	07/07/89	DRY						

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-058	06/23/88	10 U	10 U	10 U	10 U	6 B	7 JB	5 U	5 U	5 U
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	10 U	10 U	10 U	10 U	2 JB	11	2 J	5 U	5 U
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-062	07/05/88	10 U	10 U	10 U	10 U	5.7	10 U	5.0 U	5.0 U	5.0 U
SW-062	03/28/89	10 U V	10 U V	10 U V	10 U V	2 JB A	2 JB A	5 U V	5 U V	5 U V
SW-062	05/23/89	10 U V	10 U V	10 U V	10 U V	8 B A	10 U V	5 U V	5 U V	5 U V
SW-062	06/22/89	10 U	10 U	10 U	10 U	3 JB	4 JB	5 U	5 U	5 U
SW-062	07/19/89	10 U V	10 U V	10 U V	10 U V	1 J V	2 JB R	5 U V	5 U V	5 U V
SW-062	08/15/89	10 U	10 U	10 U	10 U	3 JB	3 J	5 U	5 U	5 U
SW-062	09/15/89	10 U	10 U	10 U	10 U	4 JB	10 U	5 U	5 U	5 U
SW-062	10/12/89	10 U	10 U	10 U	10 U	1 JB	10 U	5 U	5 U	5 U
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-058	06/23/88	NR	9	5 U	10 U	5 U	6	10 U	5 U	5 U
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	5 U	2 J	5 U	10 U	5 U	1 J	10 U	5 U	5 U
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-062	07/05/88	NR	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
SW-062	03/28/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-062	05/23/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-062	06/22/89	5 U	5 U	5 U	10 U	5 U	5 U	1 J	5 U	5 U
SW-062	07/19/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-062	08/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-062	09/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-062	10/12/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-058	06/23/88	5 U	8	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-062	07/05/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-062	03/28/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-062	05/23/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-062	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-062	07/19/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-062	08/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-062	09/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-062	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-057	08/11/89	DRY						
SW-057	09/16/89	DRY						
SW-057	10/04/89	DRY						
SW-057	11/03/89	DRY						
SW-057	12/01/89	DRY						
SW-057	01/05/90	DRY						
SW-057	02/02/90	DRY						
SW-057	03/17/90	DRY						
SW-058	07/21/87	5 U	NR	NR	NR	NR	NR	NR
SW-058	06/23/88	14	5 U	5 U	5 U	5 U	5 U	5 U
SW-058	04/17/89	DRY						
SW-058	05/10/89	DRY						
SW-058	06/28/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-058	07/14/89	DRY						
SW-058	08/11/89	DRY						
SW-058	09/20/89	DRY						
SW-058	10/04/89	DRY						
SW-058	11/20/89	DRY						
SW-058	12/01/89	DRY						
SW-058	01/05/90	DRY						
SW-058	02/02/90	DRY						
SW-062	07/22/87	5 U	NR	NR	NR	NR	NR	NR
SW-062	07/05/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-062	03/28/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-062	05/23/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-062	06/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-062	07/19/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-062	08/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-062	09/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-062	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-062	11/08/89	Data not yet received						
SW-062	12/13/89	Data not yet received						
SW-062	01/18/90	Data not yet received						
SW-062	02/20/90	Data not yet received						

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-063	07/24/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-063	07/06/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	07/22/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-064	07/07/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-064	03/30/89	DRY								
SW-064	05/22/89	10 U	10 U	10 U	10 U	9 B	2 J	5 U	5 U	5 U
SW-064	06/27/89	10 U V	10 U V	10 U V	10 U V	5 U V	5 J A	6 V	5 U V	5 U V
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-070	03/29/89	10 U V	10 U V	10 U V	10 U V	3 J A	10 U V	5 U V	5 U V	5 U V
SW-070	05/16/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-070	06/23/89	10 U	10 U	10 U	10 U	3 JB	10 U	5 U	5 U	5 U
SW-070	07/20/89	10 U	10 U	10 U	10 U	34 B	4 JB	5 U	5 U	5 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	10 U	10 U	10 U	10 U	5 B	3 JB	5 U	5 U	5 U
SW-070	10/23/89	10 U	10 U	10 U	10 U	7 B	10 U	5 U	5 U	5 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-063	07/24/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-063	07/06/88	NR	13	5.0 U	10 U	5.0 U	17	10 U	5.0 U	5.0 U
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	07/22/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-064	07/07/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-064	03/30/89	DRY								
SW-064	05/22/89	5 U	27	5 U	10 U	5 U	3 J	10 U	5 U	5 U
SW-064	06/27/89	5 U V	1 J A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	NR	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
SW-070	03/29/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-070	05/16/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-070	06/23/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-070	07/20/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-070	10/23/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-063	07/24/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-063	07/06/88	5.0 U	14	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	07/22/87	NR	20	NR	5 U	NR	NR	NR	NR	NR
SW-064	07/07/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-064	03/30/89	DRY								
SW-064	05/22/89	5 U	16	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-064	06/27/89	5 U V	12 A	5 U V	5 U V	5 U A	5 U V	5 U V	10 U R	10 U R
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-070	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-070	05/16/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-070	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-070	07/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-070	10/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-063	07/24/87	5 U	NR	NR	NR	NR	NR	NR
SW-063	07/06/88	1.0 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-063	03/28/89	DRY						
SW-063	05/12/89	DRY						
SW-063	06/21/89	DRY						
SW-063	07/19/89	DRY						
SW-063	08/11/89	DRY						
SW-063	09/15/89	DRY						
SW-063	10/04/89	DRY						
SW-063	11/03/89	DRY						
SW-063	12/01/89	DRY						
SW-063	01/05/90	DRY						
SW-063	02/02/90	DRY						
SW-064	07/22/87	5 U	NR	NR	NR	NR	NR	NR
SW-064	07/07/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-064	03/30/89	DRY						
SW-064	05/22/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-064	06/27/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-064	07/19/89	DRY						
SW-064	08/11/89	DRY						
SW-064	09/20/89	DRY						
SW-064	10/04/89	DRY						
SW-064	11/09/89	DRY						
SW-064	12/01/89	DRY						
SW-064	01/05/90	DRY						
SW-064	02/02/90	DRY						
SW-070	06/29/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-070	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-070	05/16/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-070	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-070	07/20/89	5 U	5 U	2 J	5 U	5 U	5 U	5 U
SW-070	08/14/89	Data not yet received						
SW-070	08/14/89	Data not yet received						
SW-070	09/26/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-070	10/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-070	10/23/89	10 U	10 U	10 U	10 U	6 B	10 B	5 U	5 U	5 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	10 U	10 U	10 U	10 U	6 B	3 JB	5 U	6	1 J
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	10 U V	10 U V	10 U V	10 U V	5 U V	12 A	3 J A	5 U V	5 U V
SW-077	07/18/89	DRY								
SW-077	08/16/89	10 U	10 U	10 U	10 U	5 U	2 JB	5 U	5 U	5 U
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-021	08/19/86	10 U	10 U	2 J	10 U	1 J	14 B	5 U	5 U	5 U
SW-022	/ /	DRY								
SW-023	08/19/86	10 U	10 U	10 U	10 U	1 J	16 B	5 U	5 U	5 U
SW-059	07/21/87	NR	NR	NR	NR	NR	NR	NR	133	NR
SW-059	07/01/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-059	03/20/89	50 U V	50 U V	50 U V	50 U V	20 JB A	50 U V	25 U V	9 J A	25 U V
SW-059	05/11/89	50 U	50 U	50 U	50 U	5 J	50 U	25 U	7 J	6 J
SW-059	06/08/89	10 U	10 U	10 U	10 U	2 JB	3 J	5 U	3 J	2 J
SW-059	07/06/89	10 U	10 U	10 U	10 U	9 B	13 B	5 U	4 J	3 J
SW-059	08/10/89	Data not yet received								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-070	10/23/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	NR	68	5 U	10 U	9	5 U	10 U	5 U	5 U
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	6 V	3 J A	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
SW-077	07/18/89	DRY								
SW-077	08/16/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-021	08/19/86	NR	3 J	5 U	10 U	1 J	9	10 U	5 U	5 U
SW-022	/ /	DRY								
SW-023	08/19/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-059	07/21/87	5 U	40	5 U	NR	5 U	605	NR	NR	NR
SW-059	07/01/88	NR	18.7	5.0 U	10 U	9.3	187	10 U	5.0 U	5.0 U
SW-059	03/20/89	25 U V	82 V	25 U V	50 U V	42 A	430 V	50 U V	25 U V	25 U V
SW-059	05/11/89	25 U	66	25 U	50 U	36	310	50 U	25 U	25 U
SW-059	06/08/89	5 U	20	5 U	10 U	15	200	10 U	5 U	5 U
SW-059	07/06/89	56	26	5 U	10 U	10	190	10 U	5 U	5 U
SW-059	08/10/89	Data not yet received								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-070	10/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	5 U	2500	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	5 U V	47 A	5 U V	5 U V	5 U A	5 U V	5 U V	10 U R	10 U R
SW-077	07/18/89	DRY								
SW-077	08/16/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-021	08/19/86	5 U	2 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-022	/ /	DRY								
SW-023	08/19/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-059	07/21/87	NR	62	NR	5 U	NR	NR	NR	NR	NR
SW-059	07/01/88	5.0 U	49	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-059	03/20/89	25 U V	260 V	25 U V	25 U V	25 U A	25 U V	25 U V	50 U V	50 U V
SW-059	05/11/89	25 U	180	25 U	25 U	25 U	25 U	25 U	50 U	50 U
SW-059	06/08/89	5 U	60	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-059	07/06/89	5 U	55	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-059	08/10/89	Data not yet received								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-070	10/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-070	11/16/89	Data not yet received						
SW-070	12/13/89	Data not yet received						
SW-070	01/11/90	Data not yet received						
SW-070	02/07/90	Data not yet received						
SW-070	03/15/90	Data not yet received						
SW-077	06/22/88	41	5 U	5 U	5 U	5 U	5 U	5 U
SW-077	03/30/89	DRY						
SW-077	05/11/89	DRY						
SW-077	06/27/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-077	07/18/89	DRY						
SW-077	08/16/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-077	09/20/89	DRY						
SW-077	10/04/89	DRY						
SW-077	11/09/89	DRY						
SW-077	12/01/89	DRY						
SW-077	01/05/90	DRY						
SW-077	02/02/90	DRY						
SW-077	03/16/90	Data not yet received						

Mound Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-021	08/19/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-022	/ /	DRY						
SW-023	08/19/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-059	07/21/87	60	NR	NR	NR	NR	NR	NR
SW-059	07/01/88	45	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-059	03/20/89	270 V	25 U V	25 U A	25 U A	25 U A	25 U A	25 U A
SW-059	05/11/89	170	25 U	25 U	25 U	25 U	25 U	25 U
SW-059	06/08/89	57	5 U	5 U	5 U	5 U	5 U	5 U
SW-059	07/06/89	56	5 U	5 U	5 U	5 U	5 U	5 U
SW-059	08/10/89	Data not yet received						

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-059	09/18/89	10 U	10 U	10 U	10 U	4 JB	3 JB	5 U	3 J	2 J
SW-059	10/03/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	4 J	5 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-060	11/11/87	10 U	10 U	10 U	10 U	44	10 U	5 U	5 U	5 U
SW-060	07/01/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-060	03/16/89	10 U V	10 U V	2 J A	10 U V	4 JB A	10 U V	5 U V	5 U V	5 U V
SW-060	03/16/89	10 U V	10 U V	10 U V	10 U V	3 JB A	3 J V	5 U V	5 U V	5 U V
SW-060	05/15/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-060	05/15/89	10 U	10 U	10 U	10 U	8 B	10 U	5 U	5 U	5 U
SW-060	06/09/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-060	07/06/89	10 U	10 U	10 U	10 U	11	10 U	5 U	5 U	5 U
SW-060	08/03/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-061	11/11/87	10 U	10 U	10 U	10 U	20	10 U	5 U	5 U	5 U
SW-061	07/01/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-061	03/20/89	Data not yet received								
SW-061	05/15/89	10 U	10 U	2 J	10 U	5 U	10 U	5 U	5 U	5 U
SW-061	06/09/89	10 U	10 U	2 J	10 U	5 U	3 JB	5 U	5 U	1 J
SW-061	07/06/89	10 U	10 U	4 J	10 U	2 J	10 U	5 U	5 U	2 J
SW-061	08/03/89	Data not yet received								
SW-061	09/11/89	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-059	09/18/89	5 U	23	5 U	10 U	9	190	10 U	5 U	5 U
SW-059	10/03/89	5 U	25	5 U	10 U	5 U	160	10 U	5 U	5 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	5 U	5 U	5 U	NR	5 U	173	NR	NR	NR
SW-060	11/11/87	5 U	10	5 U	10 U	5 U	145	10 U	5 U	5 U
SW-060	07/01/88	NR	5.0 U	5.0 U	10 U	5.0 U	46.5	10 U	5.0 U	5.0 U
SW-060	03/16/89	5 U V	14 V	5 U V	10 U V	5 U V	88 A	10 U V	5 U V	5 U V
SW-060	03/16/89	5 U V	12 V	5 U V	10 U V	5 U V	75 A	10 U V	5 U V	5 U V
SW-060	05/15/89	5 U	9	5 U	10 U	12	92	10 U	5 U	5 U
SW-060	05/15/89	5 U	5 U	5 U	10 U	5 U	65 B	10 U	5 U	5 U
SW-060	06/09/89	5 U	5	5 U	10 U	5 U	74	10 U	5 U	5 U
SW-060	07/06/89	5 U	2 J	5 U	10 U	5 U	18	10 U	5 U	5 U
SW-060	08/03/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	5 U	1 J	5 U	10 U	5 U	21	10 U	5 U	5 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	5 U	5 U	5 U	NR	33	5 U	NR	NR	NR
SW-061	11/11/87	5 U	15	5 U	10 U	5 U	6	10 U	5 U	5 U
SW-061	07/01/88	NR	5.0 U	5.0 U	10 U	5.0 U	7.9	10 U	5.0 U	5.0 U
SW-061	03/20/89	Data not yet received								
SW-061	05/15/89	5 U	3 J	5 U	10 U	5	22	10 U	5 U	5 U
SW-061	06/09/89	5 U	3 J	5 U	10 U	5 U	33	10 U	5 U	5 U
SW-061	07/06/89	5 U	2 J	5 U	10 U	5 U	7	10 U	5 U	5 U
SW-061	08/03/89	Data not yet received								
SW-061	09/11/89	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-059	09/18/89	5 U	63	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-059	10/03/89	5 U	52	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-060	11/11/87	5 U	25	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-060	07/01/88	5.0 U	12.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-060	03/16/89	5 U V	15 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-060	03/16/89	5 U V	12 V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-060	05/15/89	5 U	31	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-060	05/15/89	5 U	20	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-060	06/09/89	5 U	13	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-060	07/06/89	5 U	3 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-060	08/03/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	NR	6	NR	5 U	NR	NR	NR	NR	NR
SW-061	11/11/87	5 U	70	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-061	07/01/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-061	03/20/89	Data not yet received								
SW-061	05/15/89	5 U	15	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-061	06/09/89	5 U	12	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-061	07/06/89	5 U	3 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-061	08/03/89	Data not yet received								
SW-061	09/11/89	Data not yet received								

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J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-059	09/18/89	53	5 U	5 U	5 U	5 U	5 U	5 U
SW-059	10/03/89	43	5 U	5 U	5 U	5 U	5 U	5 U
SW-059	11/06/89	Data not yet received						
SW-059	12/06/89	Data not yet received						
SW-059	01/23/90	Data not yet received						
SW-059	02/09/90	Data not yet received						
SW-059	03/12/90	Data not yet received						
SW-060	07/21/87	5 U	NR	NR	NR	NR	NR	NR
SW-060	11/11/87	5 U	5 U	11	5 U	5 U	5 U	5 U
SW-060	07/01/88	10.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-060	03/16/89	14 V	5 U V	1 J A	5 U V	5 U V	5 U V	5 U V
SW-060	03/16/89	11 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-060	05/15/89	35	5 U	5 U	5 U	5 U	5 U	5 U
SW-060	05/15/89	23	5 U	5 U	5 U	5 U	5 U	5 U
SW-060	06/09/89	18	5 U	5 U	5 U	5 U	5 U	5 U
SW-060	07/06/89	3 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-060	08/03/89	Data not yet received						
SW-060	09/11/89	Data not yet received						
SW-060	09/11/89	Data not yet received						
SW-060	10/03/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-060	11/06/89	Data not yet received						
SW-060	11/06/89	Data not yet received						
SW-060	12/06/89	Data not yet received						
SW-060	01/23/90	Data not yet received						
SW-060	02/09/90	Data not yet received						
SW-060	03/12/90	Data not yet received						
SW-061	07/22/87	5 U	NR	NR	NR	NR	NR	NR
SW-061	11/11/87	5 U	5 U	12	5 U	5 U	5 U	5 U
SW-061	07/01/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-061	03/20/89	Data not yet received						
SW-061	05/15/89	10	5 U	5 U	5 U	5 U	5 U	5 U
SW-061	06/09/89	11	5 U	5 U	5 U	5 U	5 U	5 U
SW-061	07/06/89	2 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-061	08/03/89	Data not yet received						
SW-061	09/11/89	Data not yet received						

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-061	10/03/89	10 U	10 U	10 U	10 U	9 B	10 U	5 U	5 U	5 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	10 U	10 U	10 U	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	10 U	10 U	10 U	10 U	3 J	10 U	5 U	5 U	5 U
SW-101	06/07/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-101	07/12/89	10 U	10 U	10 U	10 U	2 J	10 U	5 U	5 U	5 U
SW-101	08/09/89	10 U	10 U	10 U	10 U	3 JB	65	5 U	5 U	5 U
SW-101	09/14/89	10 U	10 U	10 U	10 U	4 JB	10 U	5 U	5 U	5 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	10 U	10 U	10 U	10 U	1 J	17 B	5 U	5 U	5 U
SW-025	08/19/86	10 U	10 U	10 U	10 U	21	10 U	5 U	5 U	5 U
SW-025	08/17/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-025	08/17/89	10 U	10 U	10 U	10 U	7 B	1 J	5 U	5 U	5 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-065	04/05/89	10 U V	10 U V	10 U V	10 U V	5 U V	2 JB A	5 U V	5 U V	5 U V
SW-065	05/26/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-065	06/20/89	10 U	10 U	10 U	10 U	9	3 J	5 U	5 U	5 U

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-061	10/03/89	5 U	1 J	5 U	10 U	5 U	11	10 U	5 U	5 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	NR	79	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	5 U	53	5 U	10 U	5 U	5 U	10 U	2 J	5 U
SW-101	06/07/89	5 U V	66 V	5 U V	10 U V	5 U V	5 U V	10 U V	2 J A	5 U V
SW-101	07/12/89	5 U	67	5 U	10 U	5 U	5 U	10 U	2 J	5 U
SW-101	08/09/89	5 U	57	5 U	10 U	5 U	5 U	10 U	2 J	5 U
SW-101	09/14/89	5 U	38	5 U	10 U	5 U	5 U	10 U	2 J	5 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-025	08/19/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-025	08/17/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-025	08/17/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-065	04/05/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-065	05/26/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-065	06/20/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-061	10/03/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	5 U	5	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-101	06/07/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-101	07/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-101	08/09/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-101	09/14/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-025	08/19/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-025	08/17/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-025	08/17/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-065	04/05/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U R	10 U V	10 U V
SW-065	05/26/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-065	06/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	10 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-061	10/03/89	1 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-061	10/20/89	DRY						
SW-061	11/06/89	Data not yet received						
SW-061	12/06/89	Data not yet received						
SW-061	01/23/90	Data not yet received						
SW-061	02/09/90	Data not yet received						
SW-061	03/12/90	Data not yet received						
SW-061	03/12/90	Data not yet received						
SW-101	06/30/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-101	04/13/89	Data not yet received						
SW-101	05/11/89	14	5 U	4 J	5 U	5 U	5 U	5 U
SW-101	06/07/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-101	07/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-101	08/09/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-101	09/14/89	2 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-101	10/18/89	Data not yet received						
SW-101	11/15/89	Data not yet received						
SW-101	12/19/89	Data not yet received						
SW-101	01/25/90	Data not yet received						
SW-101	02/22/90	Data not yet received						
SW-101	03/21/90	Data not yet received						

East Trenches Area

SW-024	08/19/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-025	08/19/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-025	08/17/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-025	08/17/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-025	09/21/89	Data not yet received						
SW-065	07/07/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-065	04/05/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-065	05/26/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-065	06/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-065	07/17/89	Data not yet received								
SW-065	08/15/89	10 U	10 U	10 U	10 U	1 JB	3 J	5 U	5 U	5 U
SW-065	09/20/89	10 U	10 U	10 U	10 U	5 U	2 JB	5 U	5 U	5 U
SW-065	10/12/89	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	10 U	10 U	10 U	10 U	1.0 JB	10 U	5.0 U	5.0 U	5.0 U
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-103	03/23/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	10 U	10 U	10 U	10 U	5 U	2 JB	5 U	5 U	5 U
SW-103	07/13/89	10 U	10 U	10 U	10 U	9 B	10 U	5 U	5 U	5 U
SW-103	08/02/89	10 U V	10 U V	10 U V	10 U V	5 B A	10 U V	5 U V	5 U V	5 U V
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	10 U	10 U	10 U	10 U	9 B	10 U	5 U	5 U	5 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Total-1,2-Dichloro ethene ug/l	Chloroform ug/l	1,2-Di-chloro ethane ug/l	2-Butanone ug/l	1,1,1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-065	07/17/89	Data not yet received								
SW-065	08/15/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-065	09/20/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-065	10/12/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	NR	1.0 J	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	NR	5 U	5 U	10 U	5 U	9	10 U	5 U	5 U
SW-103	03/23/89	5 U V	5 U V	5 U V	10 U V	5 U V	10 V	10 U V	5 U V	5 U V
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	5 U	5 U	5 U	10 U	5 U	7	10 U	5 U	5 U
SW-103	07/13/89	5 U	5 U	5 U	10 U	5 U	8	10 U	5 U	5 U
SW-103	08/02/89	5 U V	5 U V	5 U V	10 U V	5 U V	7 V	10 U V	5 U V	5 U V
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1,1,2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-065	07/17/89	Data not yet received								
SW-065	08/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-065	09/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-065	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-103	03/23/89	5 U V	2 J A	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-103	07/13/89	5 U	1 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-103	08/02/89	5 U V	1 J A	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

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Operable Unit No. 2

Volatile Organic Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Tetra chloro ethene ug/l	1,1,2,2-Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-065	07/17/89	Data not yet received						
SW-065	08/15/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-065	09/20/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-065	10/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-065	11/07/89	Data not yet received						
SW-065	12/07/89	Data not yet received						
SW-065	01/18/90	Data not yet received						
SW-065	02/23/90	Data not yet received						
SW-102	07/08/88	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
SW-102	04/11/89	DRY						
SW-102	05/08/89	DRY						
SW-102	06/06/89	DRY						
SW-102	07/11/89	DRY						
SW-102	08/08/89	DRY						
SW-102	09/12/89	Data not yet received						
SW-102	10/04/89	DRY						
SW-102	10/16/89	DRY						
SW-102	11/14/89	DRY						
SW-102	12/18/89	DRY						
SW-102	01/26/90	DRY						
SW-102	02/22/90	DRY						
SW-102	03/20/90	Data not yet received						
SW-103	07/11/88	2 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-103	03/23/89	3 J A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-103	05/25/89	Data not yet received						
SW-103	06/15/89	1 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-103	07/13/89	2 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-103	08/02/89	2 J V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-103	09/07/89	Data not yet received						
SW-103	10/03/89	1 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-103	11/03/89	Data not yet received						
SW-103	12/06/89	Data not yet received						
SW-103	01/18/90	Data not yet received						
SW-103	02/12/90	Data not yet received						
SW-103	03/22/90	Data not yet received						

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APPENDIX C-2

DISSOLVED METALS

SURFACE WATER SAMPLING RESULTS

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	.200 U V	.0600 U R	.0100 U V	.200 U V	.0050 U V	.0050 U R	23 V	1U V	.0100 U R
SW-026	05/12/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	49.30	1U	.0100 U
SW-026	06/15/89	.200 U R	.0600 U A	.0100 U R	.200 U V	.0050 U R	.0050 U A	53 V	1U V	.0100 U R
SW-026	06/15/89	.200 U R	.0600 U A	.0100 U R	.200 U V	.0050 U R	.0050 U A	50.80 V	1U V	.0100 U R
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	59.40	1U	.0100 U
SW-026	10/05/89	2.21	.0600 U	.0100 U	2.07	.0486	.0573	91.20	2.50 U	.193
SW-026	10/06/89	Data not yet received								
SW-026	10/11/89	.0300 U	.500 U	.0020 U	.0756	.0020 U	.0040 U	56.30	.0010 U	.0200 U
SW-026	10/17/89	Data not yet received								
SW-026	10/23/89	.0300 U	.500 U	.0030	.0781	.0020 U	.0040 U	50.30	.0010 U	.0200 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	0.100 U	0.050 U	0.002 U	0.100 U	0.005 U	0.005 U	57.5	0.100 U	0.010 U
SW-027	07/22/87	0.2 U	NR	NR	0.2 U	NR	NR	78.6	NR	0.01 U
SW-027	07/07/88	0.032	0.500 U	0.002 U	0.162	0.002 U	0.004 U	70.3	NR	0.020 U
SW-027	03/21/89	.200 U V	.0600 U A	.0100 U A	.200 U V	.0050 U V	.0050 U R	51.50 V	1U V	.0100 U V
SW-027	05/18/89	.200 U A	.0600 U A	.0100 U R	.200 U V	.0050 U A	.0050 U R	53.40 V	1U V	.0100 U V
SW-027	06/22/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	70	1U	.0100 U
SW-027	07/17/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	72.30	1U	.0100 U
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	45.90	1U	.0100 U
SW-027	10/11/89	.0300 U	.500 U	.0020 U	.0935	.0020 U	.0040 U	52.70	.0010 U	.0200 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	0.100 U	0.050 U	0.002 U	0.100 U	0.005 U	0.005 U	90	0.100 U	0.010 U
SW-028	07/22/87	0.2 U	NR	NR	0.2 U	NR	NR	66.3	NR	0.03

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	.0500 U V	.0250 U V	.100 U V	.0050 U A	.100 U V	5.50 V	.0150 U R	.0002 U A	.100 U V
SW-026	05/12/89	.0500 U	.0250 U	.100 U	.0250 U	.0101	11.60	.0252	.0002 U	.0100 U
SW-026	06/15/89	.0500 U V	.0250 U V	.100 U A	.0050 U A	.100 U A	11.50 V	.0406 A	.0002 U R	.100 U A
SW-026	06/15/89	.0500 U V	.0250 U V	.100 U A	.0050 U A	.100 U A	10.90 V	.0406 A	.0003 A	.100 U A
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	13.70	.0150 U	.0002 U	.100 U
SW-026	10/05/89	.498	.259	1	.0030 U	.100 U	12.10	.0267	.0002 U	.100 U
SW-026	10/06/89	Data not yet received								
SW-026	10/11/89	.0200 U	.0200 U	.0602	.0020 U	.0250	15.20	.0100 U	.0002 U	.500 U
SW-026	10/17/89	Data not yet received								
SW-026	10/23/89	.0200 U	.0211	.0466	.0044	.0140	13.50	.0639	.0002 U	.500 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	0.050 U	0.020 U	0.030 U	0.005 U	NR	19	0.010 U	0.0002 U	0.100 U
SW-027	07/22/87	0.05 U	0.025 U	0.1 U	NR	NR	16.1	0.153	NR	0.04 U
SW-027	07/07/88	0.020 U	0.020 U	0.050	0.004 U	NR	16.4	0.107	0.0002 U	NR
SW-027	03/21/89	.0500 U V	.0250 U V	.100 U V	.0050 U A	.100 U V	11.40 V	.0150 U A	.0002 U A	.100 U V
SW-027	05/18/89	.0500 U V	.0250 U A	.100 U A	.0050 U A	.0156 V	10.60 V	.0299 V	.0002 U V	.0100 U V
SW-027	06/22/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	13.40	.0511	.0002 U	.100 U
SW-027	07/17/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	14.70	.0583	.0002 U	.100 U
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	8	.0150 U	.0002 U	.100 U
SW-027	10/11/89	.0200 U	.0200 U	.0534	.0048	.0190	9.29	.0197	.0002 U	.500 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	0.050 U	0.020 U	0.050	0.005 U	NR	17	0.054	0.0002 U	0.100 U
SW-028	07/22/87	0.05 U	0.027	0.23	NR	NR	15.7	0.144	NR	0.04 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	.0400 U A	5U R	.0050 U A	.0100 U V	26.50 V	.173 V	.0100 U R	.100 U V	.0500 U V
SW-026	05/12/89	.0400 U	5U	.0050 U	.0100 U	40.90	1U	NR	.100 U	.0500 U
SW-026	06/15/89	.0400 U A	5U R	.0050 U V	.0100 U A	35 V	1U A	.0100 U A	.100 U A	.0500 U V
SW-026	06/15/89	.0400 U R	5U R	.0050 U V	.0100 U A	34.20 V	1U A	.0100 U A	.100 U A	.0500 U V
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	.0400 U	5U	.0050 U	.0100 U	44.80	1U	.0100 U	.100 U	.0500 U
SW-026	10/05/89	.0400 U	55.70	.0050 U	.0598	36.60	.301	.0100 U	.100 U	.0500 U
SW-026	10/06/89	Data not yet received								
SW-026	10/11/89	.0200 U	1.28	.0027	.0300 U	54.10	.416	.0030 U	1U	.0100 U
SW-026	10/17/89	Data not yet received								
SW-026	10/23/89	.0200 U	8.81	.0020 U	.0300 U	43.30	.356	.0030 U	1U	.0100 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	0.040 U	3.95	0.002 U	0.010 U	45	0.420	0.010 U	NR	0.050 U
SW-027	07/22/87	0.04 U	NR	NR	0.01 U	49.8	0.52	NR	NR	0.05 U
SW-027	07/07/88	0.020 U	3.88	0.005 U	0.030 U	60.5	0.523	0.300 U	NR	0.010 U
SW-027	03/21/89	.0400 U A	5U A	.0050 U A	.0100 U V	36.70 V	.423 V	.0100 U A	.100 U V	.0500 U V
SW-027	05/18/89	.0400 U R	5U V	.0050 U A	.0100 U A	39.30 V	1U V	.0100 U R	.100 U V	.0500 U A
SW-027	06/22/89	.0400 U	7.52	.0050 U	.0100 U	45.30	1U	.0100 U	.100 U	.0500 U
SW-027	07/17/89	.0400 U	5U	.0050 U	.0100 U	44.70	1U	.0100 U	.100 U	.0500 U
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	.0400 U	8.53	.0050 U	.0100 U	32.30	1U	.0100 U	.100 U	.0500 U
SW-027	10/11/89	.0200 U	7.41	.0022	.0300 U	32.80	.297	.0030 U	1U	.0100 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	0.040 U	8.25	0.002 U	0.010 U	42	0.460	0.010 U	NR	0.050 U
SW-028	07/22/87	0.82	NR	NR	0.01 U	55.0	0.43	NR	NR	0.05 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l
SW-026	07/06/88	DRY
SW-026	03/21/89	.0200 U V
SW-026	05/12/89	.0200 U
SW-026	06/15/89	.0200 U R
SW-026	06/15/89	.214 V
SW-026	07/17/89	DRY
SW-026	08/11/89	DRY
SW-026	09/15/89	.0542
SW-026	10/05/89	.0411
SW-026	10/06/89	Data not yet received
SW-026	10/11/89	.0302
SW-026	10/17/89	Data not yet received
SW-026	10/23/89	.0220
SW-026	11/08/89	Data not yet received
SW-026	12/12/89	Data not yet received
SW-026	01/18/90	Data not yet received
SW-026	02/21/90	Data not yet received
SW-026	03/26/90	Data not yet received
SW-026	03/26/90	Data not yet received
SW-027	08/21/86	0.020 U
SW-027	07/22/87	0.04
SW-027	07/07/88	0.020 U
SW-027	03/21/89	.0200 U R
SW-027	05/18/89	.0200 U A
SW-027	06/22/89	.0200 U
SW-027	07/17/89	.0234
SW-027	08/11/89	Data not yet received
SW-027	09/15/89	.0465
SW-027	10/11/89	.0862
SW-027	11/08/89	Data not yet received
SW-027	12/15/89	Data not yet received
SW-027	01/29/90	Data not yet received
SW-027	02/12/90	Data not yet received
SW-028	08/21/86	0.022
SW-028	07/22/87	0.02 U

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-028	07/06/88	0.090	0.500 U	0.002 U	0.134	0.002 U	0.006	52.7	NR	0.047
SW-028	07/06/88	0.030 U	0.500 U	0.002 U	0.134	0.002 U	0.004 U	52.8	NR	0.047
SW-028	03/28/89	.200 U A	.0600 U A	.0100 U V	.200 U V	.0050 U R	.0050 U V	23.60 A	1U V	.0100 U V
SW-028	05/23/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	45.70	1U	.0100 U
SW-028	06/22/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	56.70	1U	.0100 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	56.80	1U	.0100 U
SW-028	10/12/89	.200 U A	.0600 U V	.0100 U V	.200 U V	.0050 U V	.0050 U V	63.60 V	2.50 U V	.0100 U V
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	NR	0.06 U	0.01 U	NR	NR	0.005 U	NR	0.2 U	NR
SW-029	11/10/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-029	06/23/88	.20 U	.040 U	.010 U	.20 U	.005 U	.005 U	28.10	NR	.010 U
SW-029	03/28/89	.200 U V	.0600 U R	.0100 U V	.200 U V	.0050 U A	.0050 U V	23 A	1U V	.0100 U R
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	47.50	1U	.0100 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	NR	NR	NR	NR	NR	NR	NR	NR	NR
SW-029	09/25/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	51.50	1U	.0100 U
SW-029	10/20/89	.0300 U	.500 U	.0020 U	.0876	.0020 U	.0040 U	50.20	.0010 U	.0200 U
SW-029	11/09/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	46.90	1U	.0100 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	NR	0.06 U	0.01 U	NR	NR	0.005 U	NR	0.2 U	NR
SW-030	07/29/87	0.2 U	NR	NR	0.2 U	NR	NR	36.1	NR	0.01 U
SW-030	11/10/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-030	06/29/88	0.200 U	.060 U	.010 U	.200 U	.005 U	.005 U	47	NR	.010 U
SW-030	06/29/88	.200 U	.060 U	.010 U	.200 U	.005 U	.005 U	46	NR	.010 U

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-028	07/06/88	0.020 U	0.020 U	0.261	0.005	NR	13.4	0.100	0.0002 U	NR
SW-028	07/06/88	0.020 U	0.020 U	0.133	0.004 U	NR	13.5	0.083	0.0002 U	NR
SW-028	03/28/89	.0500 U V	.0250 U R	.118 A	.0050 U A	.0100 U V	5.53 V	.0150 U A	.0011 V	.0100 U V
SW-028	05/23/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	10.30	.0485	.0002 U	.0100 U
SW-028	06/22/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	13.50	.0688	.0002 U	.100 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	13.30	.0150 U	.0002 U	.100 U
SW-028	10/12/89	.0500 U V	.0250 U V	.100 U V	.0030 U R	.100 U V	14.90 V	.0201 A	.0002 U V	.100 U V
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	NR	NR	NR	0.005 U	0.01 U	NR	NR	0.0002 U	NR
SW-029	11/10/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-029	06/23/88	.050 U	.025 U	.847	.0118	NR	6.37	.0982	.0002 U	NR
SW-029	03/28/89	.0500 U V	.0250 U R	.100 U A	.0050 U A	.0100 U V	5.45 V	.0150 U A	.0002 U V	.0100 U V
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	9.77	.105	.0002 U	.100 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	NR	NR	NR	NR	NR	NR	NR	.0002 U	NR
SW-029	09/25/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	10.40	.0575	.0002 U	.100 U
SW-029	10/20/89	.0200 U	.0200 U	.0723	.0020 U	.0110	9.29	.0506	.0002 U	.500 U
SW-029	11/09/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	8.89	.0286	.0002 U	.100 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	NR	NR	NR	0.005 U	0.01 U	NR	NR	0.0002 U	NR
SW-030	07/29/87	0.05 U	0.025 U	0.1 U	NR	NR	14.4	0.015 U	NR	0.04 U
SW-030	11/10/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-030	06/29/88	.05 U	.025 U	.140	.005 U	NR	13	.03	.0002 U	NR
SW-030	06/29/88	.05 U	.025 U	.100	.005 U	NR	13	.015 U	.0002 U	NR

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-028	07/06/88	0.020 U	1.66	0.005 U	0.030 U	42.6	0.362	0.300 U	NR	0.010 U
SW-028	07/06/88	0.020 U	1.60	0.005 U	0.030 U	42.2	0.365	0.300 U	NR	0.010 U
SW-028	03/28/89	.0400 U R	5U A	.0050 U A	.0100 U A	23.60 V	.125 V	.0100 U A	.100 U V	.0500 U V
SW-028	05/23/89	.0400 U	5U	.0050 U	.0100 U	35.40	1U	.0100 U	.100 U	.0500 U
SW-028	06/22/89	.0400 U	5U	.0050 U	.0100 U	40.90	1U	.0100 U	.100 U	.0500 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	.0400 U	5U	.0050 U	.0100 U	42.70	1U	.0100 U	.100 U	.0500 U
SW-028	10/12/89	.0400 U V	5U V	.0050 U A	.0100 U V	46.50 V	.390 A	.0100 U A	.100 U V	.0500 U V
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	NR	5.0 U	0.005 U	NR	NR	NR	0.01 U	NR	NR
SW-029	11/10/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-029	06/23/88	.040 U	5.93	.005 U	.010 U	19.70	.143	.100 U	NR	.050 U
SW-029	03/28/89	.0400 U R	5U A	.0050 U A	.0100 U A	22.60 V	.125 V	.0100 U A	.100 U V	.0500 U R
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	.0400 U	5U	.0050 U	.0100 U	27.40	1U	.0100 U	.100 U	.0500 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	NR	NR	NR	NR	NR	NR	NR	NR	NR
SW-029	09/25/89	.0400 U	5U	.0050 U	.0100 U	28.20	1U	.0100 U	.100 U	.0500 U
SW-029	10/20/89	.0200 U	1.87	.0020 U	.0300 U	23.90	.263	.0030 U	1U	.0100 U
SW-029	11/09/89	.0400 U	5U	.0050 U	.0100 U	20.40	1U	.0100 U	.100 U	.0500 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	NR	5.0 U	0.005 U	NR	NR	NR	0.01 U	NR	NR
SW-030	07/29/87	0.04 U	NR	NR	0.01 U	36.9	0.3	NR	NR	0.05 U
SW-030	11/10/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-030	06/29/88	.04 U	5.0 U	.008	0.01 U	24	0.4	.010 U	NR	.05 U
SW-030	06/29/88	.04 U	5.0 U	.005 U	0.01 U	24	0.3	.010 U	NR	0.05 U

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l
SW-028	07/06/88	0.091
SW-028	07/06/88	0.020 U
SW-028	03/28/89	.0200 U V
SW-028	05/23/89	.0200 U
SW-028	06/22/89	.0200 U
SW-028	07/19/89	DRY
SW-028	08/15/89	DRY
SW-028	09/15/89	.0200 U
SW-028	10/12/89	.0336 A
SW-028	11/08/89	Data not yet received
SW-028	12/15/89	Data not yet received
SW-028	01/18/90	Data not yet received
SW-028	02/23/90	Data not yet received
SW-029	08/20/86	DRY
SW-029	05/26/87	0.02 U
SW-029	11/10/87	Insufficient Sample or Dissolved Metals Analysis not requested.
SW-029	06/23/88	.020 U
SW-029	03/28/89	.0200 U V
SW-029	05/24/89	Data not yet received
SW-029	06/22/89	.0200 U
SW-029	07/20/89	DRY
SW-029	08/11/89	DRY
SW-029	09/25/89	NR
SW-029	09/25/89	.0516
SW-029	10/20/89	.0125
SW-029	11/09/89	.0200 U
SW-029	12/08/89	Data not yet received
SW-029	01/16/90	Data not yet received
SW-029	02/08/90	Data not yet received
SW-030	08/20/86	DRY
SW-030	05/26/87	0.02 U
SW-030	07/29/87	0.02 U
SW-030	11/10/87	Insufficient Sample or Dissolved Metals Analysis not requested.
SW-030	06/29/88	.03
SW-030	06/29/88	.08

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-030	03/28/89	.200 U V	.0600 U A	.0100 U V	.200 U V	.0050 U R	.0050 U V	57.40 A	1U V	.0100 U V
SW-030	05/16/89	.380	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	36.40	1U	.0100 U
SW-030	06/22/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	43.10	1U	.0100 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	44.90	.100 U	.0100 U
SW-030	08/21/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	50.40	.100 U	.0100 U
SW-030	09/25/89	NR	NR	NR	NR	NR	NR	NR	NR	NR
SW-030	10/20/89	.0300 U	.500 U	.0020 U	.0500 U	.0020 U	.0040 U	40	.0010 U	.0200 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	0.2 U	NR	NR	0.26	NR	NR	147	NR	0.01 U
SW-050	06/27/88	.282	.040 U	.010 U	.280	.005 U	.005 U	112	NR	.010 U
SW-050	06/27/88	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	.200 U V	.0600 U A	.0100 U A	.200 U V	.0050 U A	.0050 U A	120 A	1U V	.0100 U V
SW-050	07/18/89	.320	.0600 U	.0100 U	.255	.0050 U	.0050 U	116	1U	.0100 U
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	0.2 U	NR	NR	0.21	NR	NR	103	NR	0.01 U
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	.200 U V	.0600 U A	.0100 U V	.200 U V	.0050 U V	.0050 U A	98.60 A	1U V	.0100 U V
SW-051	07/18/89	DRY								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-030	03/28/89	.0500 U V	.0250 U V	.103 A	.0050 U A	.0100 U V	12.90 V	.0150 U A	.0002 U V	.0100 U V
SW-030	05/16/89	.0500 U	.0250 U	.359	.0050 U	.0100 U	7.78	.0150 U	.0002 U	.0100 U
SW-030	06/22/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	15.10	.0150 U	.0002 U	.100 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	14.80	.0150 U	.0002 U	.100 U
SW-030	08/21/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	16	.0150 U	.0002 U	.100 U
SW-030	09/25/89	NR	NR	NR	NR	NR	NR	NR	.0002 U	NR
SW-030	10/20/89	.0200 U	.0200 U	.0361	.0020	.0090	8.33	.0100 U	.0002 U	.500 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	9.6	0.495	NR	0.04 U
SW-050	06/27/88	.050 U	.0279	.114	.005 U	NR	8.53	.0429	.0002 U	NR
SW-050	06/27/88	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	.0500 U V	.0250 U V	.100 U A	.0050 U R	.100 U A	8.43 V	.148 V	.0002 U V	.100 U A
SW-050	07/18/89	.0500 U	.0250 U	.552	.0050 U	.100 U	8.11	.161	.0002	.100 U
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	7.9	0.015 U	NR	0.04 U
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	.0500 U V	.0250 U V	.100 U A	.0050 U R	.100 U A	7.54 V	.0150 U R	.0002 U V	.100 U A
SW-051	07/18/89	DRY								

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J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-030	03/28/89	.0400 U R	5U A	.0050 U A	.0100 U A	29.20 V	.352 V	.0100 U A	.100 U V	.0500 U R
SW-030	05/16/89	.0400 U	5U	.0250 U	.0100 U	18	1U	.0100 U	.100 U	.0500 U
SW-030	06/22/89	.0400 U	5U	.0050 U	.0100 U	33	1U	.0100 U	.100 U	.0500 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	.0400 U	5U	.0057	.0100 U	30.90	.343	.0100 U	.100 U	.0500 U
SW-030	08/21/89	.0400 U	5U	.0050 U	.0100 U	33.50	.366	.0100 U	.100 U	.0500 U
SW-030	09/25/89	NR	NR	NR	NR	NR	NR	NR	NR	NR
SW-030	10/20/89	.0200 U	2.26	.0020 U	.0300 U	17	.253	.0030 U	1U	.0100 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	0.04 U	NR	NR	0.01 U	9.5	0.43	NR	NR	0.05 U
SW-050	06/27/88	.040 U	5.21	.005 U	.010 U	8.55	.389	.10 U	NR	.050 U
SW-050	06/27/88	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	.0400 U A	5U R	.0050 U R	.0100 U A	8.06 V	1U V	.0100 U A	.100 U A	.0500 U V
SW-050	07/18/89	.0400 U	5U	.0050 U	.0100 U	7.04	1U	.0100 U	.100 U	.0500 U
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	0.04 U	NR	NR	0.01 U	7.8	0.40	NR	NR	0.05 U
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	.0400 U A	5U V	.0050 U R	.0100 U A	8.36 V	1U V	.0100 U A	.100 U A	.0500 U V
SW-051	07/18/89	DRY								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l
SW-030	03/28/89	.0200 U V
SW-030	05/16/89	.0200 U
SW-030	06/22/89	.0200 U
SW-030	07/20/89	DRY
SW-030	08/21/89	.0200 U
SW-030	08/21/89	.0200 U
SW-030	09/25/89	NR
SW-030	10/20/89	.0100 U
SW-030	11/09/89	DRY
SW-030	12/01/89	DRY
SW-030	01/05/90	DRY
SW-030	02/02/90	DRY
SW-030	03/15/90	Data not yet received
SW-050	/ /	DRY
SW-050	07/21/87	0.02 U
SW-050	06/27/88	.0361
SW-050	06/27/88	Insufficient Sample or Dissolved Metals Analysis not requested.
SW-050	04/17/89	DRY
SW-050	05/10/89	DRY
SW-050	06/27/89	.0200 U V
SW-050	07/18/89	.0200 U
SW-050	08/11/89	DRY
SW-050	09/12/89	DRY
SW-050	10/04/89	DRY
SW-050	11/03/89	DRY
SW-050	12/01/89	DRY
SW-050	01/05/90	DRY
SW-050	02/02/90	DRY
SW-050	03/17/90	DRY
SW-051	07/21/87	0.02 U
SW-051	06/23/88	DRY
SW-051	04/17/89	DRY
SW-051	05/10/89	DRY
SW-051	06/27/89	.0200 U V
SW-051	07/18/89	DRY

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	0.2 U	NR	NR	0.2 U	NR	NR	110	NR	0.01 U
SW-052	06/23/88	.899	.040 U	.010 U	.20 U	.005 U	.005 U	91.5	NR	.010 U
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	0.2 U	NR	NR	0.2 U	NR	NR	80.0	NR	0.01 U
SW-053	06/23/88	.245	.040 U	.010 U	.325	.005 U	.005 U	115	NR	.010 U
SW-053	06/23/88	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-053	04/05/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	88.80	1U	.0100 U
SW-053	05/23/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	104	1U	.0100 U
SW-053	06/26/89	.200 U A	.0600 U V	.0100 U A	.200 U V	.0050 U A	.0050 U V	119 V	.100 U V	.0100 U V
SW-053	07/19/89	DRY								
SW-053	08/15/89	.200 U A	.0600 U V	.0100 U A	.228 V	.0050 U V	.0050 U A	140 V	1U V	.0100 U V
SW-053	09/20/89	.200 U	.133	.0100 U	.207	.0050 U	.0050 U	127	1U	.0100 U
SW-053	10/12/89	.200 U A	.0600 U V	.0100 U V	.200 U V	.0050 U V	.0050 U V	137 V	2.50 U V	.0100 U V
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	13.7	0.296	NR	0.04 U
SW-052	06/23/88	.050 U	.026	.58	.005 U	NR	13.6	.0181	.0002 U	NR
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	26.4	0.087	NR	0.04 U
SW-053	06/23/88	.050 U	.0274	.23	.005 U	NR	32.2	.706	.0002 U	NR
SW-053	06/23/88	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-053	04/05/89	.0500 U	.0250 U	.780	.0050 U	NR	24.70	.378	.0002 U	NR
SW-053	05/23/89	.0500 U	.0250 U	2.66	.0050 U	.0232	27.70	.587	.0002 U	.0100 U
SW-053	06/26/89	.0500 U V	.0250 U A	.673 V	.0050 U A	.100 U V	30.50 V	.458 V	.0002 U V	.100 U V
SW-053	07/19/89	DRY								
SW-053	08/15/89	.0500 U V	.0250 U A	8.54 V	.0030 U A	.100 U V	26.40 V	.538 V	.0002 U V	.100 U V
SW-053	09/20/89	.0500 U	.0250 U	3.69	.0050 U	.100 U	21.50	.436	.0002 U	.100 U
SW-053	10/12/89	.0500 U V	.0250 U V	2.78 V	.0030 U A	.100 U V	24.30 V	.406 A	.0002 U V	.100 U V
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	0.04 U	NR	NR	0.01 U	48.0	0.49	NR	NR	0.05 U
SW-052	06/23/88	.040 U	5 U	.005 U	.010 U	44	.432	.10 U	NR	.050 U
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	0.04 U	NR	NR	0.01 U	113	0.69	NR	NR	0.05 U
SW-053	06/23/88	.040 U	6.36	.005 U	.010 U	20.30	.817	.10 U	NR	.050 U
SW-053	06/23/88	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-053	04/05/89	.0400 U	5U	.0050 U	.0100 U	19.20	NR	.0100 U	NR	.0500 U
SW-053	05/23/89	.0400 U	5U	.0050 U	.0100 U	19.60	1U	.0100 U	.100 U	.0500 U
SW-053	06/26/89	.0400 U V	5U V	.0050 U A	.0100 U V	17.40 V	.789 V	.0100 U V	.100 U V	.0500 U V
SW-053	07/19/89	DRY								
SW-053	08/15/89	.0400 U V	5U V	.0050 U V	.0100 U A	14.30	1U V	.100 U R	.100 U V	.0500 U V
SW-053	09/20/89	.0400 U	5U	.0050 U	.0100 U	15.40	1U	.0100 U	.100 U	.0500 U
SW-053	10/12/89	.0400 U V	5U R	.0050 U A	.0100 U V	17.50 V	.746 A	.0100 U A	.100 U V	.0500 U V
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l
SW-051	08/11/89	DRY
SW-051	09/12/89	DRY
SW-051	10/04/89	DRY
SW-051	11/03/89	DRY
SW-051	12/01/89	DRY
SW-051	01/05/90	DRY
SW-051	02/02/90	DRY
SW-052	07/21/87	0.02 U
SW-052	06/23/88	.0365
SW-052	04/17/89	DRY
SW-052	05/10/89	DRY
SW-052	06/09/89	DRY
SW-052	07/07/89	DRY
SW-052	08/11/89	DRY
SW-052	09/28/89	DRY
SW-052	10/04/89	DRY
SW-052	11/03/89	DRY
SW-052	12/01/89	DRY
SW-052	01/05/90	DRY
SW-052	02/02/90	DRY
SW-052	03/17/90	DRY
SW-053	07/21/87	0.02 U
SW-053	06/23/88	.0368
SW-053	06/23/88	Insufficient Sample or Dissolved Metals Analysis not requested.
SW-053	04/05/89	.0200 U
SW-053	05/23/89	.0200 U
SW-053	06/26/89	.0371 A
SW-053	07/19/89	DRY
SW-053	08/15/89	.0200 U R
SW-053	09/20/89	.0200 U
SW-053	10/12/89	.0204 A
SW-053	11/07/89	Data not yet received
SW-053	12/15/89	Data not yet received
SW-053	01/17/90	Data not yet received
SW-053	02/13/90	Data not yet received

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-054	/ /	DRY								
SW-054	07/05/88	0.080	0.500 U	0.002	0.168	0.002 U	0.004 U	56.6	NR	0.020 U
SW-054	03/21/89	.200 U R	.0600 U A	.0100 U V	.200 U V	.0050 U V	.0050 U R	41.60 V	1U V	.0100 U R
SW-054	05/18/89	.200 U A	.0600 U A	.0100 U A	.200 U V	.0050 U A	.0050 U R	33.60 V	1U V	.0100 U V
SW-054	06/22/89	.200 U	.0600 U	.0100 U	.250	.0050 U	.0050 U	65.60	1U	.0100 U
SW-054	07/19/89	.200 U	.0600 U	.0117	.200 U	.0050 U	.0050 U	57.80	1U	.0100 U
SW-054	08/15/89	.200 U A	.0600 U V	.0100 U R	.200 U V	.0050 U V	.0050 U A	38.80 V	1U V	.0100 U V
SW-054	09/21/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	44.20	1U	.0100 U
SW-054	10/12/89	.200 U A	.0600 U V	.0100 U V	.200 U V	.0050 U V	.0050 U V	55.30 V	2.50 U V	.0100 U V
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	0.2 U	NR	NR	0.24	NR	NR	126	NR	0.01 U
SW-055	07/21/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-055	06/22/88	.796	.040 U	.010 U	.315	.005 U	.005 U	132	NR	.010 U
SW-055	04/17/89	.200 U V	.0600 U A	.0100 U V	.213 V	.0050 U A	.0050 U V	91.70 V	1U V	.0100 U A
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	.200 U V	.0600 U A	.0100 U A	.224 V	.0050 U A	.0050 U A	109 A	1U V	.0100 U V
SW-055	07/18/89	.200 U	.0600 U	.0100 U	.315	.0050 U	.0050 U	128	1U	.0100 U
SW-055	08/16/89	.200 U A	.0600 U V	.0100 U R	.302 V	.0050 U V	.0050 U A	129 V	1U V	.0100 U V
SW-055	09/20/89	.200 U	.0600 U	.0100 U	.343	.0050 U	.0050 U	145	1U	.0100 U
SW-055	10/19/89	.0300 U	.500 U	.0020 U	.252	.0020 U	.0040 U	117	.0010 U	.0200 U
SW-055	11/09/89	.200 U	.0600 U	.0100 U	.273	.0050 U	.0050 U	121	1U	.0100 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	0.2 U	NR	NR	0.6	NR	NR	156	NR	0.01 U
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-054	/ /	DRY								
SW-054	07/05/88	0.020 U	0.020 U	0.554	0.004	NR	12.1	0.394	0.0002 U	NR
SW-054	03/21/89	.0500 U V	.0250 U V	.100 U V	.0250 U A	.100 U V	9.98 V	.0150 U R	.0002 U A	.100 U V
SW-054	05/18/89	.0500 U V	.0250 U A	.100 U A	.0050 U A	.0100 U V	7.89 V	.0199 A	.0002 U V	.0100 U V
SW-054	06/22/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	15	1.18	.0002 U	.100 U
SW-054	07/19/89	.0500 U	.0250 U	.575	.0050 U	.100 U	12.20	.268	.0002 U	.100 U
SW-054	08/15/89	.0500 U V	.0250 U A	.109 A	.0030 U A	.100 U V	7.42 V	.0368 V	.0002 U V	.100 U V
SW-054	09/21/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	9.38	.0150 U	.0002 U	.100 U
SW-054	10/12/89	.0500 U V	.0250 U V	.100 U V	.114 A	.100 U V	15.60 V	.0731 A	.0002 U V	.100 U V
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	19.7	0.022	NR	0.04 U
SW-055	07/21/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-055	06/22/88	.050 U	.025 U	1.06	.005 U	NR	27.3	.24	.0002 U	NR
SW-055	04/17/89	.0500 U V	.0250 U A	.128 A	.0050 U A	.0795 A	20 V	.374 V	.0002 U A	0201 A
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	.0500 U V	.0250 U A	.100 U A	.0050 U V	.100 U A	18.10 V	.0740 V	.0002 U V	.100 U A
SW-055	07/18/89	.0500 U	.0250 U	.100 U	.0050 U	.155	26.40	.470	.0002 U	.100 U
SW-055	08/16/89	.0500 U V	.0250 U A	.100 U A	.0030 U A	.179 A	26.30 V	.383 V	.0002 U V	.100 U V
SW-055	09/20/89	.0500 U	.0250 U	.100 U	.0050 U	.116	28.30	.262	.0003	.100 U
SW-055	10/19/89	.0200 U	.0200 U	.0554	.0020 U	.175	23.20	.245	.0002 U	.500 U
SW-055	11/09/89	.0500 U	.0250 U	.100 U	.0050 U	.161	25.70	.260	.0002 U	.100 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	21.9	0.381	NR	0.04 U
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-054	/ /	DRY								
SW-054	07/05/88	0.020 U	3.57	0.005 U	0.030 U	23.9	0.355	0.300 U	NR	0.010 U
SW-054	03/21/89	.0400 U A	5U A	.0050 U A	.0100 U V	29.30 V	.342 V	.0100 U A	.100 U V	.0500 U V
SW-054	05/18/89	.0400 U R	5U A	.0050 U A	.0100 U A	23.90 V	1U V	.0100 U R	.100 U V	.0500 U A
SW-054	06/22/89	.0400 U	5.32	.0050 U	.0100 U	36.30	1U	.0100 U	.100 U	.0500 U
SW-054	07/19/89	.0400 U	5.82	.0050 U	.0100 U	26.40	1U	.0100 U	.100 U	.0500 U
SW-054	08/15/89	.0400 U V	5U A	.0050 U V	.0100 U A	13.90	1U V	.0100 U R	.100 U V	.0500 U V
SW-054	09/21/89	.0400 U	5U	.0050 U	.0100 U	17.20	1U	.0100 U	.100 U	.0500 U
SW-054	10/12/89	.0400 U V	5U A	.0050 U V	.0277 A	39.80 V	.417 A	.0100 U A	.100 U V	.0500 U V
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	0.04 U	NR	NR	0.01 U	35.2	0.73	NR	NR	0.05 U
SW-055	07/21/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-055	06/22/88	.040 U	5 U	.005 U	.010 U	71.6	.918	.010 U	NR	.050 U
SW-055	04/17/89	.0400 U V	5U A	.0050 U A	.0100 U V	41.90 V	1U A	.0100 U R	.100 U V	.0500 U V
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	.0400 U A	5U A	.0050 U R	.0100 U A	34.20 V	1U V	.0100 U A	.100 U A	.0500 U V
SW-055	07/18/89	.0400 U	5U	.0050 U	.0100 U	63.90	1U	.0400 U	.100 U	.0500 U
SW-055	08/16/89	.0400 U V	5U A	.0050 U A	.0100 U A	55.40 A	1U V	.100 U R	.100 U V	.0500 U R
SW-055	09/20/89	.0400 U	5U	.0050 U	.0100 U	88.50	1U	.0400 U	.100 U	.0500 U
SW-055	10/19/89	.0200 U	2.42	.0020 U	.0300 U	66.80	.789	.0030 U	1U	.0100 U
SW-055	11/09/89	.0400 U	5U	.0050 U	.0100 U	68.60	1U	.0100 U	.100 U	.0500 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	0.04 U	NR	NR	0.01 U	20.7	0.79	NR	NR	0.05 U
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l	
SW-054	/ /	DRY	
SW-054	07/05/88	0.056	
SW-054	03/21/89	1.39	R
SW-054	05/18/89	.0200 U	A
SW-054	06/22/89	.0200 U	
SW-054	07/19/89	.0200 U	
SW-054	08/15/89	.0200 U	R
SW-054	09/21/89	.0232	
SW-054	10/12/89	.0384	A
SW-054	11/03/89	Data not yet received	
SW-054	12/12/89	Data not yet received	
SW-054	12/12/89	Data not yet received	
SW-054	01/18/90	Data not yet received	
SW-054	02/12/90	Data not yet received	
SW-055	07/21/87	0.14	
SW-055	07/21/87	Insufficient Sample or Dissolved Metals Analysis not requested.	
SW-055	06/22/88	.536	
SW-055	04/17/89	1.26	V
SW-055	05/25/89	Data not yet received	
SW-055	06/28/89	.551	V
SW-055	07/18/89	.290	
SW-055	08/16/89	.989	V
SW-055	09/20/89	.893	
SW-055	10/19/89	.881	
SW-055	11/09/89	1.10	
SW-055	12/07/89	Data not yet received	
SW-055	01/16/90	Data not yet received	
SW-055	02/23/90	Data not yet received	
SW-055	03/15/90	Data not yet received	
SW-057	07/21/87	0.02 U	
SW-057	06/23/88	DRY	
SW-057	04/17/89	DRY	
SW-057	05/10/89	DRY	
SW-057	06/09/89	DRY	
SW-057	07/07/89	DRY	

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	0.2 U	NR	NR	0.2 U	NR	NR	113	NR	0.01 U
SW-058	06/23/88	.20 U	.040 U	.010 U	.236	.005 U	.005 U	106	NR	.010 U
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	.200 U A	.0600 U V	.0100 U V	.204 V	.0050 U A	.0050 U V	101 V	.100 U V	.0100 U V
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	0.2 U	NR	NR	0.2 U	NR	NR	67.9	NR	0.01 U
SW-062	07/05/88	0.101	0.500 U	0.002 U	0.152	0.002 U	0.004 U	54.9	NR	0.046
SW-062	03/28/89	.200 U A	.0600 U A	.0100 U V	.200 U V	.0050 U R	.0050 U V	23.70 A	1U V	.0100 U V
SW-062	05/23/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	48.90	1U	.0100 U
SW-062	06/22/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	57.60	1U	.0100 U
SW-062	07/19/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	100	1U	.0100 U
SW-062	08/15/89	.200 U A	.0600 U V	.0100 U R	.200 U V	.0050 U V	.0050 U A	111 V	1U V	.0100 U V
SW-062	09/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	59.10	1U	.0100 U
SW-062	10/12/89	.200 U A	.0600 U V	.0100 U V	.200 U V	.0050 U V	.0050 U V	60.50 V	2.50 U V	.0100 U V
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	13.8	0.031	NR	0.04 U
SW-058	06/23/88	.050 U	.025 U	.10 U	.005 U	NR	18.90	.0819	.0002 U	NR
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	.0500 U V	.0250 U A	.100 U A	.0050 U A	.100 U V	11.50 V	.0150 U V	.0002 U V	.100 U V
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	0.05 U	0.025 U	0.1 U	NR	NR	29.6	0.016	NR	0.04 U
SW-062	07/05/88	0.020 U	0.020 U	0.445	0.004 U	NR	13.9	0.409	0.0002 U	NR
SW-062	03/28/89	.0500 U V	.0250 U R	.113 A	.0050 U A	.0100 U V	5.58 V	.0150 U A	.0002 U V	.0100 U V
SW-062	05/23/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	11.20	.0940	.0002 U	.0100 U
SW-062	06/22/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	13.80	.150	.0002 U	.100 U
SW-062	07/19/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	29.50	.579	.0002 U	.100 U
SW-062	08/15/89	.0500 U V	.0250 U A	.394 A	.0030 U A	.100 U V	26.80 V	.232 V	.0002 U V	.100 U V
SW-062	09/15/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	13.70	.0150 U	.0002 U	.100 U
SW-062	10/12/89	.0500 U V	.0250 U V	.100 U V	.0030 U A	.100 U V	14.50 V	.0306 A	.0002 U V	.100 U V
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	0.04 U	NR	NR	0.01 U	11.6	0.59	NR	NR	0.05 U
SW-058	06/23/88	.040 U	5 U	.005 U	.010 U	15.60	.718	.10 U	NR	.050 U
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	.0400 U V	5U R	.0050 U A	.0100 U V	9.26 V	.478 V	.0100 U A	.100 U V	.0500 U V
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	0.04 U	NR	NR	0.01 U	99.4	0.97	NR	NR	0.05 U
SW-062	07/05/88	0.020 U	1.59	0.005 U	0.030 U	47.2	0.375	0.300 U	NR	0.010 U
SW-062	03/28/89	.0400 U R	5U A	.0050 U A	.0100 U A	23.80 V	.127 V	.0100 U A	.100 U V	.0500 U R
SW-062	05/23/89	.0400 U	5U	.0250 U	.0100 U	36.50	1U	.0100 U	.100 U	.0500 U
SW-062	06/22/89	.0400 U	5U	.0050 U	.0100 U	43	1U	.0100 U	.100 U	.0500 U
SW-062	07/19/89	.0400 U	5U	.0050 U	.0100 U	99	1U	.0400 U	.100 U	.0500 U
SW-062	08/15/89	.0400 U V	5U A	.0050 U A	.0100 U A	74.70	1U V	.100 U R	.100 U V	.0500 U R
SW-062	09/15/89	.0400 U	5U	.0050 U	.0100 U	44.60	1U	.0100 U	.100 U	.0500 U
SW-062	10/12/89	.0400 U V	5U R	.0050 U V	.0100 U V	46.60 V	.386 A	.0100 U A	.100 U V	.0500 U V
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l	
SW-057	08/11/89	DRY	
SW-057	09/16/89	DRY	
SW-057	10/04/89	DRY	
SW-057	11/03/89	DRY	
SW-057	12/01/89	DRY	
SW-057	01/05/90	DRY	
SW-057	02/02/90	DRY	
SW-057	03/17/90	DRY	
SW-058	07/21/87	0.02 U	
SW-058	06/23/88	.0256	
SW-058	04/17/89	DRY	
SW-058	05/10/89	DRY	
SW-058	06/28/89	.0209	A
SW-058	07/14/89	DRY	
SW-058	08/11/89	DRY	
SW-058	09/20/89	DRY	
SW-058	10/04/89	DRY	
SW-058	11/20/89	DRY	
SW-058	12/01/89	DRY	
SW-058	01/05/90	DRY	
SW-058	02/02/90	DRY	
SW-062	07/22/87	0.02 U	
SW-062	07/05/88	0.066	
SW-062	03/28/89	.0200 U	V
SW-062	05/23/89	.0200 U	
SW-062	06/22/89	.0200 U	
SW-062	07/19/89	.0200 U	
SW-062	08/15/89	.0200 U	A
SW-062	09/15/89	.0200 U	
SW-062	10/12/89	.0228	A
SW-062	11/08/89	Data not yet received	
SW-062	12/13/89	Data not yet received	
SW-062	01/18/90	Data not yet received	
SW-062	02/20/90	Data not yet received	

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-063	07/24/87	0.2 U	NR	NR	0.2 U	NR	NR	112	NR	0.01 U
SW-063	07/06/88	0.033	0.500 U	0.003	0.104	0.002 U	0.004 U	93.0	NR	0.020 U
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	07/22/87	0.2 U	NR	NR	0.2 U	NR	NR	45.8	NR	0.01 U
SW-064	07/07/88	0.049	0.500 U	0.002 U	0.105	0.002 U	0.004 U	57.5	NR	0.020 U
SW-064	03/30/89	DRY								
SW-064	05/22/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	63.10	1U	.0100 U
SW-064	06/27/89	.200 U A	.0600 U A	.0100 U R	.200 U V	.0050 U V	.0050 U V	71.60 V	.100 U V	.0100 U R
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	.200 U	.060 U	.010 U	.200 U	.005 U	.005 U	56	NR	.010 U
SW-070	03/29/89	.200 U V	.0600 U R	.0100 U A	.200 U V	.0050 U A	.0050 U R	65.20 V	1U V	.0100 U A
SW-070	05/16/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	37.80	1U	.0100 U
SW-070	06/23/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	61.80	.100 U	.0100 U
SW-070	07/20/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	39.70	1U	.0100 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	69.90	1U	.0100 U
SW-070	10/23/89	.0536	.500 U	.0020 U	.0798	.0020 U	.0040 U	61.50	.0010 U	.0200 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-063	07/24/87	0.05 U	0.025 U	0.1 U	NR	NR	34.0	0.393	NR	0.04 U
SW-063	07/06/88	0.020 U	0.020 U	0.062	0.005	NR	32.2	0.412	0.0002 U	NR
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	07/22/87	0.05 U	0.025 U	0.1 U	NR	NR	54.2	0.015 U	NR	0.04 U
SW-064	07/07/88	0.020 U	0.020 U	0.059	0.004 U	NR	48.8	0.074	0.0002 U	NR
SW-064	03/30/89	DRY								
SW-064	05/22/89	.0500 U	.0250 U	.100 U	.0050 U	.0946	45.30	.0364	.0002 U	.0100 U
SW-064	06/27/89	.0500 U V	.0250 U V	.100 U A	.0050 U A	.100 U V	51.80 V	.0290 V	.0002 U V	.100 U V
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	.05 U	.025 U	.100 U	.005 U	NR	13	.015 U	.0003	NR
SW-070	03/29/89	.0500 U V	.0250 U A	.100 U A	.0050 U A	.0148 V	14.80 V	.0278 A	.0002 U V	.0100 U V
SW-070	05/16/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	8.12	.0150 U	.0002 U	.0100 U
SW-070	06/23/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	16.50	.0414	.0002 U	.100 U
SW-070	07/20/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	16.20	.0722	.0002 U	.100 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	17.10	.0207	.0002 U	.100 U
SW-070	10/23/89	.0200 U	.0331	.0908	.0039	.0110	15.20	.0204	.0002 U	.500 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-063	07/24/87	0.04 U	NR	NR	0.01 U	110	1.07	NR	NR	0.05 U
SW-063	07/06/88	0.020 U	1.54	0.005 U	0.030 U	102	1.25	0.300 U	NR	0.010 U
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	07/22/87	0.04 U	NR	NR	0.01 U	103	1.10	NR	NR	0.05 U
SW-064	07/07/88	0.020 U	1.38	0.005 U	0.030 U	106	1.02	0.300 U	NR	0.010 U
SW-064	03/30/89	DRY								
SW-064	05/22/89	.0400 U	5U	.0130	.0100 U	110	1.14	.0400 U	.100 U	.0500 U
SW-064	06/27/89	.0400 U V	5U R	.0050 U V	.0100 U A	106 V	1.17 A	.0100 U A	.100 U V	.0500 U V
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	.04 U	5.0 U	.005 U	0.01 U	25	0.4	.010 U	NR	0.05 U
SW-070	03/29/89	.0400 U R	5U A	.0050 U A	.0100 U A	36.20 V	.435 V	.0400 U A	.100 U V	.0500 U A
SW-070	05/16/89	.0400 U	5U	.0050 U	.0100 U	19.20	1U	.0100 U	.100 U	.0500 U
SW-070	06/23/89	.0400 U	5U	.0050 U	.0100 U	29.70	.455	.0100 U	.100 U	.0500 U
SW-070	07/20/89	.0400 U	5.41	.0050 U	.0100 U	35.30	1U	.0100 U	.100 U	.0500 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	.0400 U	5U	.0050 U	.0100 U	31.40	1U	.0100 U	.100 U	.0500 U
SW-070	10/23/89	.0200 U	2.75	.0020 U	.0300 U	30.50	.441	.0030 U	1U	.0100 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l
SW-063	07/24/87	0.03
SW-063	07/06/88	0.028
SW-063	03/28/89	DRY
SW-063	05/12/89	DRY
SW-063	06/21/89	DRY
SW-063	07/19/89	DRY
SW-063	08/11/89	DRY
SW-063	09/15/89	DRY
SW-063	10/04/89	DRY
SW-063	11/03/89	DRY
SW-063	12/01/89	DRY
SW-063	01/05/90	DRY
SW-063	02/02/90	DRY
SW-064	07/22/87	0.02 U
SW-064	07/07/88	0.021
SW-064	03/30/89	DRY
SW-064	05/22/89	.0200 U
SW-064	06/27/89	.0320 A
SW-064	07/19/89	DRY
SW-064	08/11/89	DRY
SW-064	09/20/89	DRY
SW-064	10/04/89	DRY
SW-064	11/09/89	DRY
SW-064	12/01/89	DRY
SW-064	01/05/90	DRY
SW-064	02/02/90	DRY
SW-070	06/29/88	.06
SW-070	03/29/89	.0256 A
SW-070	05/16/89	.0200 U
SW-070	06/23/89	.0209
SW-070	07/20/89	.0200 U
SW-070	08/14/89	Data not yet received
SW-070	08/14/89	Data not yet received
SW-070	09/26/89	.0248
SW-070	10/23/89	.0144

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-070	10/23/89	.0400	.500 U	.0022	.0821	.0020 U	.0050	61.10	.0010 U	.0200 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	.669	.040 U	.010 U	.255	.005 U	.005 U	110	NR	.010 U
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	.200 U A	.0600 U A	.0100 U R	.200 U V	.0050 U V	.0050 U V	116 V	.100 U V	.0100 U A
SW-077	07/18/89	DRY								
SW-077	08/16/89	.200 U A	.0600 U V	.0100 U R	.200 U V	.0050 U V	.0050 U A	72.30 V	1U V	.0100 U V
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

SW-021	08/19/86	0.100 U	0.050 U	0.002 U	0.100 U	0.170	0.005 U	173	0.100 U	0.010 U
SW-022	/ /	DRY								
SW-023	08/19/86	0.100 U	0.050 U	0.002 U	0.100 U	0.130	0.005 U	78.8	0.100 U	0.010 U
SW-059	07/21/87	0.2 U	NR	NR	0.2 U	NR	NR	122	NR	0.01 U
SW-059	07/01/88	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	108	NR	0.010 U
SW-059	03/20/89	.200 U R	.0600 U A	.0100 U A	.200 U V	.0050 U R	.0050 U R	112 V	1U V	.0100 U R
SW-059	05/11/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	88.30	1U	.0100 U
SW-059	06/08/89	.200 U A	.0600 U A	.0100 U R	.200 U V	.0050 U A	.0050 U V	109 V	.100 U V	.0100 U V
SW-059	07/06/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	114	.100 U	.0100 U
SW-059	08/10/89	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-070	10/23/89	.0200 U	.0385	.0557	.0031	.0110	15.20	.0211	.0002 U	.500 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	.050 U	.025 U	1.48	.0126	NR	22.6	1.64	.0002 U	NR
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	.0500 U V	.0250 U V	.100 U A	.0050 U A	.100 U V	23.90 V	.0525 V	.0002 U V	.100 U V
SW-077	07/18/89	DRY								
SW-077	08/16/89	.0500 U V	.0250 U A	.100 U A	.0030 U A	.100 U V	13.70 V	.256 V	.0003 V	.100 U V
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

SW-021	08/19/86	0.050 U	0.020 U	0.075 U	0.010 U	NR	24	0.060	0.0002 U	0.300
SW-022	/ /	DRY								
SW-023	08/19/86	0.050 U	0.020 U	0.600	0.010 U	NR	18.1	0.020	0.0002 U	0.400
SW-059	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	24.4	0.015 U	NR	0.04 U
SW-059	07/01/88	0.050 U	0.025 U	0.100 U	0.005 U	NR	20	0.015 U	0.0002 U	NR
SW-059	03/20/89	.0500 U V	.0250 U V	.100 U V	.0250 U A	.100 U V	29.10 V	.0194 A	.0007 A	.100 U V
SW-059	05/11/89	.0500 U	.0250 U	.123	.0250 U	.0142	23.20	.0369	.0002 U	.0100 U
SW-059	06/08/89	.0500 U V	.0288 A	.100 U A	.0050 U R	.100 U A	20.30 V	.0150 U A	.0002 U V	.100 U V
SW-059	07/06/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	22.80	.0461	.0002 U	.100 U
SW-059	08/10/89	Data not yet received								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-070	10/23/89	.0200 U	2.75	.0020 U	.0300 U	30.30	.439	.0030 U	1U	.0100 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	.040 U	5 U	.005 U	.010 U	54.1	.562	.010 U	NR	.050 U
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	.0400 U V	5U A	.0134 V	.0100 U A	43.40 V	.591 A	.0100 U A	.100 U V	.0500 U V
SW-077	07/18/89	DRY								
SW-077	08/16/89	.0400 U V	9.04 V	.0500 U V	.0100 U A	23.60 A	1U V	.0100 U R	.100 U V	.0500 U R
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

SW-021	08/19/86	0.040 U	0.100 U	0.002 U	0.010 U	31.1	0.540	0.010 U	NR	0.050 U
SW-022	/ /	DRY								
SW-023	08/19/86	0.040 U	0.100 U	0.002 U	0.010 U	235	0.310	0.010 U	NR	0.050 U
SW-059	07/21/87	0.04 U	NR	NR	0.01 U	38.2	0.73	NR	NR	0.05 U
SW-059	07/01/88	0.040 U	5.0 U	0.005 U	0.010 U	28	0.7	0.010 U	NR	0.050 U
SW-059	03/20/89	.0400 U V	5U A	.0050 U A	.0100 U V	36.90 V	1.17 V	.0100 U R	.100 U V	.0500 U V
SW-059	05/11/89	.0400 U	5U	.0050 U	.0100 U	38.30	1U	.0100 U	.100 U	.0500 U
SW-059	06/08/89	.0400 U V	5U R	.0050 U A	.0100 U V	32.10 V	.614 A	.0100 U V	.100 U V	.0500 U V
SW-059	07/06/89	.0400 U	5U	.0050 U	.0100 U	31.40	.644	.0100 U	.100 U	.0500 U
SW-059	08/10/89	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l	
SW-070	10/23/89	.0131	
SW-070	11/16/89	Data not yet received	
SW-070	12/13/89	Data not yet received	
SW-070	01/11/90	Data not yet received	
SW-070	02/07/90	Data not yet received	
SW-070	03/15/90	Data not yet received	
SW-077	06/22/88	.0671	
SW-077	03/30/89	DRY	
SW-077	05/11/89	DRY	
SW-077	06/27/89	.0286	A
SW-077	07/18/89	DRY	
SW-077	08/16/89	.0354	A
SW-077	09/20/89	DRY	
SW-077	10/04/89	DRY	
SW-077	11/09/89	DRY	
SW-077	12/01/89	DRY	
SW-077	01/05/90	DRY	
SW-077	02/02/90	DRY	
SW-077	03/16/90	Data not yet received	

Mound Area

SW-021	08/19/86	0.128	
SW-022	/ /	DRY	
SW-023	08/19/86	0.020 U	
SW-059	07/21/87	0.31	
SW-059	07/01/88	0.200	
SW-059	03/20/89	.626	A
SW-059	05/11/89	.0200	
SW-059	06/08/89	.119	V
SW-059	07/06/89	.0763	
SW-059	08/10/89	Data not yet received	

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-059	09/18/89	.200 U	.0600 U	.0100 U	.200	.0050 U	.0050 U	118	1U	.0100 U
SW-059	10/03/89	.0300 U	.500 U	.0020 U	.162	.0020 U	.0040 U	100	.0010 U	.0200 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	0.2 U	NR	NR	0.2 U	NR	NR	114	NR	0.01 U
SW-060	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-060	07/01/88	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	105	NR	0.010 U
SW-060	03/16/89	.200 U R	.0600 U R	.0100 U A	.200 U A	.0050 U A	.0050 U R	90.60 V	1U V	.0100 U R
SW-060	03/16/89	.200 U R	.0600 U A	.0100 U V	.200 U A	.0050 U A	.0050 U R	84.30 V	1U V	.0100 U V
SW-060	05/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	70.90	1U	.0100 U
SW-060	05/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	70.70	1U	.0100 U
SW-060	06/09/89	.200 U V	.0600 U V	.0100 U V	.200 U A	.0050 U A	.0050 U R	94.30 A	1U V	.0100 U R
SW-060	07/06/89	.200 U	.0600 U	.0100 U	.200	.0050 U	.0050 U	113	1U	.0100 U
SW-060	08/03/89	.200 U V	.0600 U A	.0100 U V	.200 U V	.0050 U R	.0050 U V	98.90 V	1U V	.0100 U V
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	.0300 U	.500 U	.0020 U	.186	.0020 U	.0040 U	99.40	.0010 U	.0200 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	0.2 U	NR	NR	0.2 U	NR	NR	30.1	NR	0.01 U
SW-061	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-061	07/01/88	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	94	NR	0.010 U
SW-061	03/20/89	.200 U V	.0600 U R	.0100 U V	.200 U V	.0050 U R	.0050 U R	27 V	1U V	.0100 U V
SW-061	05/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	60.10	1U	.0100 U
SW-061	06/09/89	.200 U V	.0600 U V	.0100 U A	.200 U A	.0050 U A	.0050 U R	87.40 A	1U V	.0100 U R
SW-061	07/06/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	90.90	1U	.0100 U
SW-061	08/03/89	.200 U V	.0600 U A	.0100 U V	.200 U A	.0050 U V	.0050 U V	87.10 V	1U V	.0100 U R
SW-061	09/11/89	Data not yet received								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-059	09/18/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	25.30	.0150 U	.0002 U	.100 U
SW-059	10/03/89	.0200 U	.0200 U	.0361	.0020 U	.0250	21.70	.0100 U	.0002 U	.500 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	0.05 U	0.025 U	0.1 U	NR	NR	17.2	0.015 U	NR	0.04 U
SW-060	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-060	07/01/88	0.050 U	0.025 U	0.100 U	0.005 U	NR	17	0.015 U	0.0002 U	NR
SW-060	03/16/89	.0500 U A	.0250 U V	.100 U V	.0050 U A	.100 U V	15.30 V	.0150 U A	.0002 U V	.100 U V
SW-060	03/16/89	.0500 U A	.0250 U V	.100 U V	.0050 U A	.100 U V	14.60 V	.0150 U A	.0002 U V	.100 U V
SW-060	05/15/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	12.60	.0246	.0002 U	.0100 U
SW-060	05/15/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	12.70	.0240	.0002 U	.0100 U
SW-060	06/09/89	.0500 U R	.0250 U R	.100 U V	.0050 U V	.100 U V	13.70 A	.0245 V	.0002 U V	.100 U V
SW-060	07/06/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	16	.0150 U	.0002 U	.100 U
SW-060	08/03/89	.0500 U V	.0250 U R	.100 U V	.0050 U A	.100 U V	16.80	.0150 U A	.0002 U V	.100 U V
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	.0200 U	.0200 U	.0302	.0054	.0200	16.50	.0100 U	.0002 U	.500 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	0.05 U	0.025 U	0.18	NR	NR	5.0 U	0.047	NR	0.04 U
SW-061	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-061	07/01/88	0.050 U	0.025 U	0.100 U	0.005 U	NR	18	0.015 U	0.0002 U	NR
SW-061	03/20/89	.0500 U A	.0250 U V	.100 U V	.0050 U A	.100 U V	5.61 V	.0167 V	.0002 U V	.100 U V
SW-061	05/15/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	11.20	.0382	.0002 U	.0100 U
SW-061	06/09/89	.0500 U R	.0250 U R	.100 U V	.0050 U A	.100 U V	14.40 A	.0345 V	.0002 U V	.100 U V
SW-061	07/06/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	16.60	.0310	.0002 U	.100 U
SW-061	08/03/89	.0500 U V	.0250 U R	.100 U R	.0050 U A	.100 U V	16.20 V	.0615 V	.0002 U V	.100 U V
SW-061	09/11/89	Data not yet received								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-059	09/18/89	.0400 U	5U	.0050 U	.0100 U	35.40	1U	.0400 U	.100 U	.0500 U
SW-059	10/03/89	.0200 U	.750	.0020 U	.0300 U	30.40	.642	.0030 U	1U	.0100 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	0.04 U	NR	NR	0.01 U	36.8	0.58	NR	NR	0.05 U
SW-060	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-060	07/01/88	0.040 U	5.0 U	0.005 U	0.010 U	26	0.6	0.010 U	NR	0.050 U
SW-060	03/16/89	.0400 U A	5U A	.0050 U A	.0100 U A	30 V	.544 V	.0100 U A	.100 U V	.0500 U V
SW-060	03/16/89	.0400 U A	5U A	.0050 U A	.0100 U A	29.50 V	.509 V	.0100 U A	.100 U V	.0500 U V
SW-060	05/15/89	.0400 U	5U	.0050 U	.0100 U	30.20	1U	.0400 U	.100 U	.0500 U
SW-060	05/15/89	.0400 U	5U	.0050 U	.0100 U	30.80	1U	.0400 U	.100 U	.0500 U
SW-060	06/09/89	.0400 U A	5U A	.0050 U A	.0100 U A	26.80 V	1U V	.0100 U A	.100 U V	.0500 U A
SW-060	07/06/89	.0400 U	5U	.0050 U	.0100 U	27.20	1U	.0500 U	.100 U	.0500 U
SW-060	08/03/89	.0400 U V	5U V	.0050 U A	.0100 U V	33.10 V	1U V	.0100 U A	.100 U V	.0500 U V
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	.0200 U	.589	.0020 U	.0300 U	29.30	.547	.0030 U	1U	.0100 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	0.04 U	NR	NR	0.01 U	17.9	0.02 U	NR	NR	0.05 U
SW-061	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested.								
SW-061	07/01/88	0.040 U	5.0 U	0.005 U	0.010 U	30	0.7	0.010 U	NR	0.050 U
SW-061	03/20/89	.0400 U R	5U A	.0050 U A	.0100 U V	43.50 V	.201 V	.0100 U R	.100 U V	.0500 U V
SW-061	05/15/89	.0400 U	5U	.0050	.0100 U	30.50	1U	.0400 U	.100 U	.0500 U
SW-061	06/09/89	.0400 U A	5U A	.0050 U V	.0100 U A	29 V	1U V	.0100 U V	.100 U V	.0500 U A
SW-061	07/06/89	.0400 U	5U	.0050 U	.0100 U	28.50	1U	.0100 U	.100 U	.0500 U
SW-061	08/03/89	.0400 U V	5U V	.0050 U A	.0100 U V	32.20 V	1U V	.0100 U A	.100 U V	.0500 U V
SW-061	09/11/89	Data not yet received								

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l	
SW-059	09/18/89	.232	
SW-059	10/03/89	.186	
SW-059	11/06/89	Data not yet received	
SW-059	12/06/89	Data not yet received	
SW-059	01/23/90	Data not yet received	
SW-059	02/09/90	Data not yet received	
SW-059	03/12/90	Data not yet received	
SW-060	07/21/87	0.59	
SW-060	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested.	
SW-060	07/01/88	0.400	
SW-060	03/16/89	.373	V
SW-060	03/16/89	.363	V
SW-060	05/15/89	.248	
SW-060	05/15/89	.195	
SW-060	06/09/89	.400	V
SW-060	07/06/89	.161	
SW-060	08/03/89	.158	V
SW-060	09/11/89	Data not yet received	
SW-060	09/11/89	Data not yet received	
SW-060	10/03/89	.238	
SW-060	11/06/89	Data not yet received	
SW-060	11/06/89	Data not yet received	
SW-060	12/06/89	Data not yet received	
SW-060	01/23/90	Data not yet received	
SW-060	02/09/90	Data not yet received	
SW-060	03/12/90	Data not yet received	
SW-061	07/22/87	0.05	
SW-061	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested.	
SW-061	07/01/88	0.100	
SW-061	03/20/89	.0664	A
SW-061	05/15/89	.0200	
SW-061	06/09/89	.181	V
SW-061	07/06/89	.0200	U
SW-061	08/03/89	.0837	V
SW-061	09/11/89	Data not yet received	

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-061	10/03/89	.0300 U	.500 U	.0020 U	.163	.0020 U	.0040 U	86.50	.0010 U	.0200 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	12	NR	0.010 U
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	9.37	1U	.0100 U
SW-101	06/07/89	.200 U A	.0600 U V	.0100 U V	.200 U A	.0050 U V	.0050 U V	10.10 A	.100 U V	.0100 U V
SW-101	07/12/89	Data not yet received								
SW-101	08/09/89	Data not yet received								
SW-101	09/14/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	7.72	1U	.0100 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	0.100 U	0.050 U	0.002 U	0.100 U	0.140	0.005 U	76	0.100 U	0.010 U
SW-025	08/19/86	0.100 U	0.0050 U	0.002 U	0.100 U	0.020	0.005 U	70.1	0.100 U	0.010 U
SW-025	08/17/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	43.50	1U	.0161
SW-025	08/17/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	43.20	1U	.0100 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	0.500 U	0.500 U	0.002 U	0.209	0.002 U	0.004 U	84.7	NR	0.020 U
SW-065	04/05/89	.200 U V	.0600 U A	.0100 U A	.207 V	.0050 U A	.0050 U A	110 V	1U R	.0100 U A
SW-065	05/26/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	51.20	1U	.0100 U
SW-065	06/20/89	.200 U R	.0600 U V	.0100 U R	.238 V	.0050 U V	.0050 U V	117 V	1U V	.0100 U V

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-061	10/03/89	.0200 U	.0200 U	.123	.0020 U	.0200	16.40	.0507	.0002 U	.500 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	0.050 U	0.025 U	0.2	0.005 U	NR	5.0 U	0.015 U	0.0007	NR
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	.0500 U	.0250 U	.100 U	.0250 U	.0100 U	5U	.0150 U	.0002 U	.0100 U
SW-101	06/07/89	.0500 U V	.0250 U A	.115 A	.0050 U A	.100 U R	5U A	.0150 U A	.0002 U V	.100 U V
SW-101	07/12/89	Data not yet received								
SW-101	08/09/89	Data not yet received								
SW-101	09/14/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	5U	.0150 U	.0002 U	.100 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	0.050	0.020 U	0.200	0.010 U	NR	16	0.030	0.0002 U	0.500
SW-025	08/19/86	0.070	0.020 U	0.075 U	0.010 U	NR	0.110	0.160	0.0002 U	0.500
SW-025	08/17/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	10.90	.0150 U	.0002 U	.100 U
SW-025	08/17/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	10.90	.0150 U	.0002	.100 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	0.020 U	0.020 U	0.030 U	0.004 U	NR	13.8	0.013	0.0002 U	NR
SW-065	04/05/89	.0500 U V	.0250 U A	.100 U A	.0050 U V	.0109 V	15.60 V	.310 V	.0002 U A	.0185 V
SW-065	05/26/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	8.14	.0175	.0003	.0145
SW-065	06/20/89	.0500 U R	.0250 U V	.100 U A	.0050 U V	.100 U V	15.60 V	.0165 V	.0004 V	.100 U V

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-061	10/03/89	.0200 U	1.12	.0020 U	.0300 U	30.80	.517	.0030 U	1U	.0100 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	0.040 U	5.0 U	0.005 U	0.010 U	7	0.200 U	0.010 U	NR	0.050 U
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	.0400 U	5U	.0050 U	.0100 U	5.65	1U	.0100 U	.100 U	.0500 U
SW-101	06/07/89	.0400 U V	5U A	.0050 U V	.0100 U A	5.76 V	.100 U V	.0100 U V	.100 U V	.0500 U V
SW-101	07/12/89	Data not yet received								
SW-101	08/09/89	Data not yet received								
SW-101	09/14/89	.0400 U	5U	.0050 U	.0100 U	5U	1U	.0100 U	.100 U	.0500 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	0.040 U	0.200	0.002 U	0.010 U	32.5	0.340	0.010 U	NR	0.050 U
SW-025	08/19/86	0.040 U	0.200	0.002 U	0.010 U	25.4	0.350	0.010 U	NR	0.050 U
SW-025	08/17/89	.0400 U	5U	.0050 U	.0100 U	30.50	1U	.0100 U	.100 U	.0500 U
SW-025	08/17/89	.0400 U	5U	.0050 U	.0100 U	30.80	1U	.0100 U	.100 U	.0500 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	0.020 U	3.42	0.005 U	0.030 U	24.8	0.413	0.300 U	NR	0.010 U
SW-065	04/05/89	.0400 U R	5U A	.0050 U A	.0100 U V	27.50 A	1U V	.0100 U R	.100 U V	.0500 U A
SW-065	05/26/89	.0400 U	16	.0050 U	.0100 U	31	1U	.0500 U	.100 U	.0500 U
SW-065	06/20/89	.0400 U R	5U A	.0050 U R	.0100 U V	24.20 V	1U V	.0100 U V	.100 U V	.0500 U R

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Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l
SW-061	10/03/89	.0347
SW-061	10/20/89	DRY
SW-061	11/06/89	Data not yet received
SW-061	12/06/89	Data not yet received
SW-061	01/23/90	Data not yet received
SW-061	02/09/90	Data not yet received
SW-061	03/12/90	Data not yet received
SW-061	03/12/90	Data not yet received
SW-101	06/30/88	0.010
SW-101	04/13/89	Data not yet received
SW-101	05/11/89	.0200 U
SW-101	06/07/89	.0267 A
SW-101	07/12/89	Data not yet received
SW-101	08/09/89	Data not yet received
SW-101	09/14/89	.0315
SW-101	10/18/89	Data not yet received
SW-101	11/15/89	Data not yet received
SW-101	12/19/89	Data not yet received
SW-101	01/25/90	Data not yet received
SW-101	02/22/90	Data not yet received
SW-101	03/21/90	Data not yet received

East Trenches Area

SW-024	08/19/86	0.027
SW-025	08/19/86	0.696
SW-025	08/17/89	.0200 U
SW-025	08/17/89	.0200 U
SW-025	09/21/89	Data not yet received
SW-065	07/07/88	0.020
SW-065	04/05/89	.0200 U A
SW-065	05/26/89	.0200 U
SW-065	06/20/89	.0200 U A

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Aluminum (Al), diss. mg/l	Antimony (Sb), diss. mg/l	Arsenic (As), diss. mg/l	Barium (Ba), diss. mg/l	Beryllium (Be), diss. mg/l	Cadmium (Cd), diss. mg/l	Calcium (Ca), diss. mg/l	Cesium (Cs), diss. mg/l	Chromium (Cr), diss. mg/l
SW-065	07/17/89	.200 U	.0600 U	.0100 U	.236	.0050 U	.0050 U	122	1U	.0100 U
SW-065	08/15/89	.200 U A	.0600 U V	.0100 U R	.203 V	.0050 U V	.0050 U A	102 V	1U V	.0100 U V
SW-065	09/20/89	.200 U	.125	.0100 U	.227	.0050 U	.0050 U	111	1U	.0100 U
SW-065	10/12/89	.200 U A	.0600 U V	.0100 U V	.235 V	.0050 U V	.0050 U V	119 V	2.50 U V	.0100 U V
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	0.075	0.500 U	0.002 U	0.200	0.002 U	0.004 U	83.2	NR	0.020 U
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	0.035	0.500 U	0.002 U	0.168	0.002 U	0.004 U	99.6	NR	0.020 U
SW-103	03/23/89	.200 U V	.0600 U R	.0100 U R	.200 U V	.0050 U R	.0050 U V	115 E	1U V	.0100 U R
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	.200 U R	.0600 U A	.0100 U A	.200 V	.0050 U R	.0050 U A	121 V	1U V	.0100 U V
SW-103	07/13/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	115	1U	.0100 U
SW-103	08/02/89	.200 U A	.0600 U V	.0100 U V	.200 U V	.0050 U V	.0050 U V	112 V	1U V	.0100 U V
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	.0300 U	.500 U	.0020 U	.151	.0020 U	.0040 U	101	.0010 U	.0200 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported; U = Analyzed but not detected; * = Holding time not met; E = Estimated value; J = Present below detection limit; B = Present in laboratory blank; N = Batch spike not in 80-120% range

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Cobalt (Co), diss. mg/l	Copper (Cu), diss. mg/l	Iron (Fe), diss. mg/l	Lead (Pb), diss. mg/l	Lithium (Li), diss. mg/l	Magnesium (Mg), diss. mg/l	Manganese (Mn), diss. mg/l	Mercury (Hg), diss. mg/l	Molybdenum (Mo), diss. mg/l
SW-065	07/17/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	16.60	.0150 U	.0002 U	.100 U
SW-065	08/15/89	.0500 U V	.0250 U A	.100 U V	.0030 U A	.100 U V	14.60 V	.0150 U V	.0002 U V	.100 U V
SW-065	09/20/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	15.20	.0304	.0002 U	.100 U
SW-065	10/12/89	.0500 U V	.0250 U V	.100 U V	.0030 U R	.100 U V	17 V	.0150 U A	.0002 U V	.100 U V
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	0.020 U	0.020 U	0.086	0.004 U	NR	12.3	0.025	0.0002 U	NR
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	0.020 U	0.020 U	0.061	0.004 U	NR	11.0	0.010 U	0.0002 U	NR
SW-103	03/23/89	.0500 U V	.0250 U R	.156 A	.0050 U R	.0100 U A	12.30 V	.0189 A	.0007 A	.0100 U A
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	.0500 U V	.0250 U V	.100 U V	.0050 U V	.100 U A	5U V	.0150 U R	.0005 A	.100 U A
SW-103	07/13/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	12.60	.0462	.0002 U	.100 U
SW-103	08/02/89	.0500 U V	.0250 U R	.100 U R	.0050 U V	.100 U V	12.20 V	.0696 V	.0002 U R	.100 U V
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	.0200 U	.0200 U	.0853	.0020 U	.0160	11.70	.0730	.0002 U	.500 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Nickel (Ni), diss. mg/l	Potassium (K), diss. mg/l	Selenium (Se), diss. mg/l	Silver (Ag), diss. mg/l	Sodium (Na), diss. mg/l	Strontium (Sr), diss. mg/l	Thallium (Tl), diss. mg/l	Tin (Sn), diss. mg/l	Vanadium (V), diss. mg/l
SW-065	07/17/89	.0400 U	5U	.0050 U	.0100 U	23.70	1U	.0100 U	.100 U	.0500 U
SW-065	08/15/89	.0400 U V	5U V	.0050 U A	.0100 U A	21.60	1U V	.0100 U R	.100 U V	.0500 U R
SW-065	09/20/89	.0400 U	5U	.0050 U	.0100 U	22.40	1U	.0100 U	.100 U	.0500 U
SW-065	10/12/89	.0400 U V	5U V	.0050 U V	.0100 U V	25.20 V	.550 A	.0100 U A	.100 U V	.0500 U V
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	0.020 U	13.3	0.005 U	0.030 U	68.2	0.441	0.300 U	NR	0.010 U
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	0.020 U	0.853	0.005 U	0.030 U	11.3	0.395	0.300 U	NR	0.010 U
SW-103	03/23/89	.0400 U A	5U A	.0050 U A	.0100 U V	12.70 A	.420 A	.0100 U A	.100 U A	.0500 U R
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	.0400 U A	5U R	.0050 U V	.0100 U A	5U V	1U A	.0400 U A	.100 U A	.0500 U V
SW-103	07/13/89	.0400 U	5U	.0050 U	.0100 U	14.20	1U	.0100 U	.100 U	.0500 U
SW-103	08/02/89	.0400 U V	5U V	.0050 U A	.0100 U R	12.50 V	1U V	.0100 U A	.100 U V	.0500 U A
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	.0200 U	.547	.0020 U	.0300 U	13.30	.421	.0030 U	1U	.0100 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Metals Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Zinc (Zn), diss. mg/l
SW-065	07/17/89	.0200 U
SW-065	08/15/89	.0200 U R
SW-065	09/20/89	.0200 U
SW-065	10/12/89	.0228 A
SW-065	11/07/89	Data not yet received
SW-065	12/07/89	Data not yet received
SW-065	01/18/90	Data not yet received
SW-065	02/23/90	Data not yet received
SW-102	07/08/88	0.150
SW-102	04/11/89	DRY
SW-102	05/08/89	DRY
SW-102	06/06/89	DRY
SW-102	07/11/89	DRY
SW-102	08/08/89	DRY
SW-102	09/12/89	Data not yet received
SW-102	10/04/89	DRY
SW-102	10/16/89	DRY
SW-102	11/14/89	DRY
SW-102	12/18/89	DRY
SW-102	01/26/90	DRY
SW-102	02/22/90	DRY
SW-102	03/20/90	Data not yet received
SW-103	07/11/88	0.024
SW-103	03/23/89	.0200 U A
SW-103	05/25/89	Data not yet received
SW-103	06/15/89	.0200 U V
SW-103	07/13/89	.0200 U
SW-103	08/02/89	.0200 U V
SW-103	09/07/89	Data not yet received
SW-103	10/03/89	.0270
SW-103	11/03/89	Data not yet received
SW-103	12/06/89	Data not yet received
SW-103	01/18/90	Data not yet received
SW-103	02/12/90	Data not yet received
SW-103	03/22/90	Data not yet received

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX C-3

TOTAL METALS

SURFACE WATER SAMPLING RESULTS

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	.200 U V	.0600 U R	.0100 U V	.200 U V	.0050 U V	.0050 U V	22.70 V	1U V	.0100 U V
SW-026	05/12/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	49	1U	.0100 U
SW-026	06/15/89	.322 A	.0600 U A	.0100 U A	.200 U V	.0050 U R	.0050 U A	54 V	1U V	.0100 U V
SW-026	06/15/89	.356 A	.0600 U A	.0100 U R	.200 U V	.0050 U R	.0050 U A	54.50 V	1U V	.0100 U R
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	58.60	1U	.0100 U
SW-026	10/05/89	2.23	.0600 U	.0100 U	1.92	.0460	.0460	87.90	2.50 U	.196
SW-026	10/06/89	Insufficient Sample or Total Metals Analysis not requested.								
SW-026	10/11/89	.0300 U	.500 U	.0020 U	.0942	.0020 U	.0040 U	55.50	.0010 U	.0200 U
SW-026	10/17/89	Insufficient Sample or Total Metals Analysis not requested.								
SW-026	10/23/89	1.66	.500 U	.0038	.0966	.0020 U	.0040 U	49.20	.0010 U	.0200 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-027	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-027	07/07/88	2.89	0.500 U	0.002 U	0.183	0.002 U	0.004 U	71.6	NR	0.047
SW-027	03/21/89	.200 U R	.0600 U A	.0100 U V	.200 U V	.0050 U V	.0050 U V	51.10 V	1U V	.0100 U V
SW-027	05/18/89	2.24 A	.0600 U V	.0100 U A	.200 U V	.0050 U A	.0050 U R	56.10 V	1U V	.0100 U A
SW-027	06/22/89	1.36	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	70	1U	.0100 U
SW-027	07/17/89	1.76	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	73.80	1U	.0100 U
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	43.60	1U	.0100 U
SW-027	10/11/89	.154	.500 U	.0020 U	.0998	.0020 U	.0142	53.30	.0010 U	.0200 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-028	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	.0500 U V	.0250 U V	.100 U V	.0050 U A	.100 U V	5.47 V	.0150 U R	.0002 U A	.100 U V
SW-026	05/12/89	.0500 U	.0250 U	.226	.0050 U	.0102	11.60	.0443	.0002 U	.0100 U
SW-026	06/15/89	.0500 U V	.0250 U V	.524 V	.0050 U V	.100 U A	11.80 V	.0614 A	.0006 A	.100 U A
SW-026	06/15/89	.0500 U V	.0250 U V	.523 V	.0050 U V	.100 U A	11.90 V	.0563 A	.0007 A	.100 U A
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	.0500 U	.0250 U	.100 U	.0100 U	.100 U	13.10	.0205	.0002 U	.100 U
SW-026	10/05/89	.440	.244	1.18	.0030 U	.100 U	11.30	.164	.0002 U	.100 U
SW-026	10/06/89	Insufficient Sample or Total Metals Analysis not requested.								
SW-026	10/11/89	.0200 U	.0200 U	.116	.0020 U	.0240	15	.0108	.0002 U	.500 U
SW-026	10/17/89	Insufficient Sample or Total Metals Analysis not requested.								
SW-026	10/23/89	.0200 U	.0375	1.68	.0067	.0140	13.40	.352	.0002 U	.500 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-027	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-027	07/07/88	0.020 U	0.020 U	2.48	0.004 U	NR	16.7	0.156	0.0002 U	NR
SW-027	03/21/89	.0500 U V	.0250 U V	.100 U V	.0050 U A	.100 U V	11.50 V	.0167 A	.0002 U A	.100 U V
SW-027	05/18/89	.0500 U V	.0250 U A	2.25 A	.0050 U A	.0171 V	11 V	.142 V	.0002 U V	.0100 U V
SW-027	06/22/89	.0500 U	.0250 U	1.32	.0050 U	.100 U	13.30	.112	.0002 U	.100 U
SW-027	07/17/89	.0500 U	.0250 U	1.80	.0050 U	.100 U	14.90	.158	.0002 U	.100 U
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	.0500 U	.0250 U	.183	.0100 U	.100 U	7.17	.0150 U	.0002 U	.100 U
SW-027	10/11/89	.0200 U	.0200 U	.213	.0030	.0190	9.43	.0358	.0002 U	.500 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-028	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-026	07/06/88	DRY								
SW-026	03/21/89	.0405 A	5U A	.0050 U A	.0100 U V	25.70 V	.165 V	.0100 U R	.100 U V	.0500 U V
SW-026	05/12/89	.0400 U	5U	.0050 U	.0100 U	40.20	1U	.0100 U	.100 U	.0500 U
SW-026	06/15/89	.0400 U A	5U A	.0050 U V	.0100 U A	35.10 V	1U A	.0400 U A	.100 U A	.0500 U V
SW-026	06/15/89	.0400 U A	5U A	.0050 U V	.0100 U A	35.30 V	1U A	.0400 U A	.100 U A	.0500 U V
SW-026	07/17/89	DRY								
SW-026	08/11/89	DRY								
SW-026	09/15/89	.0400 U	5U	.0050 U	.0100 U	40.50	1U	.0100 U	.100 U	.0500 U
SW-026	10/05/89	.0400 U	56	.0050 U	.0504	33.90	.282	.0100 U	.100 U	.0500 U
SW-026	10/06/89	Insufficient Sample or Total Metals Analysis not requested.								
SW-026	10/11/89	.0200 U	1.34	.0050	.0300 U	53.30	.410	.0030 U	1U	.0100 U
SW-026	10/17/89	Insufficient Sample or Total Metals Analysis not requested.								
SW-026	10/23/89	.0200 U	8.91	.0020 U	.0300 U	41.50	.350	.0030 U	1U	.0100 U
SW-026	11/08/89	Data not yet received								
SW-026	12/12/89	Data not yet received								
SW-026	01/18/90	Data not yet received								
SW-026	02/21/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-026	03/26/90	Data not yet received								
SW-027	08/21/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-027	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-027	07/07/88	0.020 U	4.30	0.005 U	0.000	58.0	0.541	0.300 U	NR	0.010 U
SW-027	03/21/89	.0400 U A	5U A	.0050 U A	.0100 U V	37.50 V	.418 V	.0100 U R	.100 U V	.0500 U V
SW-027	05/18/89	.0400 U R	5.41 V	.0050 U A	.0100 U A	39.40 V	1U V	.0100 U R	.100 U V	.0500 U A
SW-027	06/22/89	.0400 U	7.68	.0050 U	.0100 U	44.70	1U	.0100 U	.100 U	.0500 U
SW-027	07/17/89	.0400 U	5.10	.0050 U	.0100 U	45.80	1U	.0200 U	.100 U	.0500 U
SW-027	08/11/89	Data not yet received								
SW-027	09/15/89	.0400 U	9.21	.0050 U	.0100 U	28.60	1U	.0100 U	.100 U	.0500 U
SW-027	10/11/89	.0200 U	7.33	.0036	.0300 U	33.10	.300	.0030 U	1U	.0100 U
SW-027	11/08/89	Data not yet received								
SW-027	12/15/89	Data not yet received								
SW-027	01/29/90	Data not yet received								
SW-027	02/12/90	Data not yet received								
SW-028	08/21/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-028	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								

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J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), total mg/l
SW-026	07/06/88	DRY
SW-026	03/21/89	.0200 U R
SW-026	05/12/89	.0200 U
SW-026	06/15/89	.0200 U R
SW-026	06/15/89	.0200 U V
SW-026	07/17/89	DRY
SW-026	08/11/89	DRY
SW-026	09/15/89	.0536
SW-026	10/05/89	.0878
SW-026	10/06/89	Insufficient Sample or Total Metals Analysis not requested.
SW-026	10/11/89	.0195
SW-026	10/17/89	Insufficient Sample or Total Metals Analysis not requested.
SW-026	10/23/89	.126
SW-026	11/08/89	Data not yet received
SW-026	12/12/89	Data not yet received
SW-026	01/18/90	Data not yet received
SW-026	02/21/90	Data not yet received
SW-026	03/26/90	Data not yet received
SW-026	03/26/90	Data not yet received
SW-027	08/21/86	Insufficient Sample or Total Metals Analysis not requested.
SW-027	07/22/87	Insufficient Sample or Total Metals Analysis not requested.
SW-027	07/07/88	0.022
SW-027	03/21/89	.0200 U V
SW-027	05/18/89	.0411 A
SW-027	06/22/89	.0242
SW-027	07/17/89	.0912
SW-027	08/11/89	Data not yet received
SW-027	09/15/89	.200
SW-027	10/11/89	.0956
SW-027	11/08/89	Data not yet received
SW-027	12/15/89	Data not yet received
SW-027	01/29/90	Data not yet received
SW-027	02/12/90	Data not yet received
SW-028	08/21/86	Insufficient Sample or Total Metals Analysis not requested.
SW-028	07/22/87	Insufficient Sample or Total Metals Analysis not requested.

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-028	07/06/88	0.329	0.500 U	0.002 U	0.123	0.002 U	0.004 U	52.4	NR	0.020 U
SW-028	07/06/88	0.355	0.500 U	0.002 U	0.123	0.002 U	0.004 U	52.6	NR	0.020 U
SW-028	03/28/89	.256 A	.0600 U A	.0100 U V	.200 U V	.0050 U R	.0050 U V	24.30 A	1U V	.0169 A
SW-028	05/23/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	5U	1U	.0100 U
SW-028	06/22/89	.291	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	56	1U	.0100 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	53.80	1U	.0100 U
SW-028	10/12/89	.200 U A	.0600 U V	.0100 U V	.200 U V	.0050 U V	.0050 U V	64.60 V	2.50 U V	.0100 U V
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-029	11/10/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-029	06/23/88	.585	.040 U	.010 U	.20 U	.005 U	.005 U	30	NR	.010 U
SW-029	03/28/89	.200 U A	.0600 U A	.0100 U V	.200 U V	.0050 U R	.0050 U V	22.90 A	1U V	.0100 U R
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	3.44	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	49	1U	.0100 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	.743	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	51.80	1U	.0100 U
SW-029	09/25/89	.724	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	50.30	1U	.0100 U
SW-029	10/20/89	.187	.500 U	.0020 U	.0983	.0020 U	.0040 U	48.70	.0010 U	.0200 U
SW-029	11/09/89	.671	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	47.30	1U	.0100 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	07/29/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	11/10/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	06/29/88	1.2	.060 U	.010 U	0.200 U	0.005 U	0.005 U	50.0	NR	0.01 U
SW-030	06/29/88	1.1	.060 U	.010 U	0.200 U	0.005 U	0.005 U	48.4	NR	0.01 U

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-028	07/06/88	0.020 U	0.020 U	1.20	0.008	NR	13.4	0.199	0.0002 U	NR
SW-028	07/06/88	0.020 U	0.020 U	1.14	0.008	NR	13.4	0.170	0.0002 U	NR
SW-028	03/28/89	.0500 U V	.0250 U R	.553 V	.0250 U A	.0100 U V	5.75 V	.0767 A	.0002 U V	.0100 U V
SW-028	05/23/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	5U	.0150 U	.0002	.0100 U
SW-028	06/22/89	.0500 U	.0250 U	.562	.0050 U	.100 U	13.10	.0848	.0002 U	.100 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	.0500 U	.0250 U	.100 U	.0100 U	.100 U	11.80	.0241	.0002 U	.100 U
SW-028	10/12/89	.0500 U V	.0250 U V	.304 V	.0560 A	.100 U V	16.20 V	.0263 A	.0002 U V	.100 U V
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-029	11/10/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-029	06/23/88	.050 U	.025 U	1.87	.005 U	NR	6.80	.214	.0002 U	NR
SW-029	03/28/89	.0500 U V	.0250 U R	.109 A	.0050 U A	.0100 U V	5.51 V	.0150 U A	.0002 U V	.0100 U V
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	.0500 U	.0250 U	3.91	.0050 U	.100 U	10.30	.515	.0002 U	.100 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	.0500 U	.0250 U	.992	.0050 U	.100 U	10.60	.190	.0002 U	.100 U
SW-029	09/25/89	.0500 U	.0250 U	.911	.0050 U	.100 U	10.30	.174	.0002 U	.100 U
SW-029	10/20/89	.0200 U	.0200 U	.423	.0031	.0110	9.12	.0863	.0002 U	.500 U
SW-029	11/09/89	.0500 U	.0250 U	.600	.0050 U	.100 U	9.05	.0509	.0002	.100 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	07/29/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	11/10/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	06/29/88	0.05 U	0.025 U	0.100 U	.005 U	NR	13.7	0.045	.0005	NR
SW-030	06/29/88	0.05 U	0.025 U	0.75	.005 U	NR	13.7	0.042	.0008	NR

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-028	07/06/88	0.020 U	1.54	0.005 U	0.030 U	40.5	0.364	0.300 U	NR	0.010 U
SW-028	07/06/88	0.020 U	1.56	0.005 U	0.030 U	40.5	0.365	0.300 U	NR	0.010 U
SW-028	03/28/89	.0400 U R	5U A	.0050 U A	.0100 U A	23.40 V	.139 V	.0100 U A	.100 U V	.0500 U R
SW-028	05/23/89	.0400 U	5U	.0250 U	.0100 U	5U	1U	.0100 U	.100 U	.0500 U
SW-028	06/22/89	.0400 U	5U	.0050 U	.0100 U	40.90	1U	.0100 U	.100 U	.0500 U
SW-028	07/19/89	DRY								
SW-028	08/15/89	DRY								
SW-028	09/15/89	.0400 U	5U	.0050 U	.0100 U	38	1U	.0100 U	.100 U	.0500 U
SW-028	10/12/89	.0400 U V	5U V	.0050 U V	.0114 A	54.50 V	.427 A	.0100 U A	.100 U V	.0500 U V
SW-028	11/08/89	Data not yet received								
SW-028	12/15/89	Data not yet received								
SW-028	01/18/90	Data not yet received								
SW-028	02/23/90	Data not yet received								
SW-029	08/20/86	DRY								
SW-029	05/26/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-029	11/10/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-029	06/23/88	.040 U	5 U	.005 U	.010 U	18.30	.146	.010 U	NR	.050 U
SW-029	03/28/89	.0400 U R	5U A	.0050 U A	.0100 U A	22.50 V	.125 V	.0100 U A	.100 U V	.0500 U V
SW-029	05/24/89	Data not yet received								
SW-029	06/22/89	.0400 U	5U	.0050 U	.0100 U	28.10	1U	.0100 U	.100 U	.0500 U
SW-029	07/20/89	DRY								
SW-029	08/11/89	DRY								
SW-029	09/25/89	.0400 U	5U	.0050 U	.0100 U	28	1U	.0100 U	.100 U	.0500 U
SW-029	09/25/89	.0400 U	5U	.0050 U	.0100 U	27.60	1U	.0100 U	.100 U	.0500 U
SW-029	10/20/89	.0200 U	1.99	.0020 U	.0300 U	22.80	.265	.0030 U	1U	.0100 U
SW-029	11/09/89	.0400 U	5U	.0050 U	.0100 U	21	1U	.0100 U	.100 U	.0500 U
SW-029	12/08/89	Data not yet received								
SW-029	01/16/90	Data not yet received								
SW-029	02/08/90	Data not yet received								
SW-030	08/20/86	DRY								
SW-030	05/26/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	07/29/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	11/10/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-030	06/29/88	0.04 U	5U	.005 U	0.01	24.5	0.4	.010 U	NR	0.05 U
SW-030	06/29/88	0.04 U	5U	.005 U	0.03	23.9	0.4	.010 U	NR	0.05 U

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn), total mg/l
SW-028	07/06/88	0.020 U
SW-028	07/06/88	0.034
SW-028	03/28/89	.0200 U V
SW-028	05/23/89	.0200 U
SW-028	06/22/89	.0200 U
SW-028	07/19/89	DRY
SW-028	08/15/89	DRY
SW-028	09/15/89	.205
SW-028	10/12/89	.0268 A
SW-028	11/08/89	Data not yet received
SW-028	12/15/89	Data not yet received
SW-028	01/18/90	Data not yet received
SW-028	02/23/90	Data not yet received
SW-029	08/20/86	DRY
SW-029	05/26/87	Insufficient Sample or Total Metals Analysis not requested.
SW-029	11/10/87	Insufficient Sample or Total Metals Analysis not requested.
SW-029	06/23/88	.020 U
SW-029	03/28/89	.0200 U V
SW-029	05/24/89	Data not yet received
SW-029	06/22/89	.0200 U
SW-029	07/20/89	DRY
SW-029	08/11/89	DRY
SW-029	09/25/89	.0252
SW-029	09/25/89	.0208
SW-029	10/20/89	.0192
SW-029	11/09/89	.0200 U
SW-029	12/08/89	Data not yet received
SW-029	01/16/90	Data not yet received
SW-029	02/08/90	Data not yet received
SW-030	08/20/86	DRY
SW-030	05/26/87	Insufficient Sample or Total Metals Analysis not requested.
SW-030	07/29/87	Insufficient Sample or Total Metals Analysis not requested.
SW-030	11/10/87	Insufficient Sample or Total Metals Analysis not requested.
SW-030	06/29/88	0.11
SW-030	06/29/88	0.06

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-030	03/28/89	.579 A	.0600 U R	.0100 U V	.200 U V	.0050 U R	.0050 U V	59.80 A	1U V	.0100 U V
SW-030	05/16/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	35.40	1U	.0100 U
SW-030	06/22/89	.689	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	45.30	1U	.0100 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	.656	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	49.10	.100 U	.0100 U
SW-030	08/21/89	.547	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	51.30	.100 U	.0100 U
SW-030	09/25/89	.535	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	49.30	1U	.0100 U
SW-030	10/20/89	.170	.500 U	.0052	.0515	.0020 U	.0040 U	38.40	.0010 U	.0200 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-050	06/27/88	15.6	.040 U	.010 U	.459	.005 U	.005 U	118	NR	.0282
SW-050	06/27/88	Insufficient Sample or Total Metals Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	7.84 V	.0600 U A	.0100 U A	.317 V	.0050 U A	.0050 U A	122 A	1U V	.0148 A
SW-050	07/18/89	11.90	.0600 U	.0100 U	.350	.0050 U	.0050 U	123	1U	.0169
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	2.25 V	.0600 U A	.0100 U V	.209 V	.0050 U V	.0050 U A	104 A	1U V	.0100 U V
SW-051	07/18/89	DRY								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-030	03/28/89	.0500 U V	.0250 U R	.669 V	.0050 U R	.0100 U V	13.30 V	.0209 A	.0002 U V	.0100 U V
SW-030	05/16/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	7.66	.0150 U	.0002 U	.0100 U
SW-030	06/22/89	.0500 U	.0250 U	.624	.0050 U	.100 U	16	.0150 U	.0002 U	.100 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	.0500 U	.0250 U	.580	.0050 U	.100 U	15.90	.0186	.0002 U	.100 U
SW-030	08/21/89	.0500 U	.0250 U	.573	.0050 U	.100 U	16.40	.0198	.0002 U	.100 U
SW-030	09/25/89	.0500 U	.0250 U	.453	.0050 U	.100 U	14.80	.0150 U	.0002 U	.100 U
SW-030	10/20/89	.0200 U	.0200 U	.263	.0020	.0100	8.07	.0100 U	.0002 U	.500 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-050	06/27/88	.050 U	.0378	21.8	.0354	NR	13.9	.259	.0002 U	NR
SW-050	06/27/88	Insufficient Sample or Total Metals Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	.0500 U V	.0250 U A	14 A	.0179 V	.100 U A	11.70 V	.861 V	.0002 V	.100 U A
SW-050	07/18/89	.0500 U	.0250 U	16.70	.0177	.100 U	12.30	.457	.0002 U	.100 U
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	.0500 U V	.0250 U V	2 A	.0050 U A	.100 U A	8.19 V	.0284 V	.0002 U V	.100 U A
SW-051	07/18/89	DRY								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-030	03/28/89	.0400 U R	5U A	.0050 U A	.0100 U A	29.30 V	.372 V	.0100 U A	.100 U V	.0500 U R
SW-030	05/16/89	.0400 U	5U	.0050 U	.0100 U	18.30	1U	.0100 U	.100 U	.0500 U
SW-030	06/22/89	.0400 U	5U	.0050 U	.0100 U	32.90	1U	.0100 U	.100 U	.0500 U
SW-030	07/20/89	DRY								
SW-030	08/21/89	.0400 U	5U	.0050 U	.0100 U	32.80	.370	.0100 U	.100 U	.0500 U
SW-030	08/21/89	.0400 U	5U	.0050 U	.0100 U	33.80	.377	.0100 U	.100 U	.0500 U
SW-030	09/25/89	.0400 U	5U	.0050 U	.0100 U	31	1U	.0100 U	.100 U	.0500 U
SW-030	10/20/89	.0200 U	2.35	.0020 U	.0300 U	15.90	.247	.0030 U	1U	.0100 U
SW-030	11/09/89	DRY								
SW-030	12/01/89	DRY								
SW-030	01/05/90	DRY								
SW-030	02/02/90	DRY								
SW-030	03/15/90	Data not yet received								
SW-050	/ /	DRY								
SW-050	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-050	06/27/88	.0654	5 U	.005 U	.010 U	13	.416	.010 U	NR	.0601
SW-050	06/27/88	Insufficient Sample or Total Metals Analysis not requested.								
SW-050	04/17/89	DRY								
SW-050	05/10/89	DRY								
SW-050	06/27/89	.0400 U R	5U A	.0050 U R	.0100 U A	8.64 V	1U V	.0100 U V	.108 A	.0500 U V
SW-050	07/18/89	.0400 U	5U	.0050 U	.0100 U	8.85	1U	.0100 U	.100 U	.0500 U
SW-050	08/11/89	DRY								
SW-050	09/12/89	DRY								
SW-050	10/04/89	DRY								
SW-050	11/03/89	DRY								
SW-050	12/01/89	DRY								
SW-050	01/05/90	DRY								
SW-050	02/02/90	DRY								
SW-050	03/17/90	DRY								
SW-051	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-051	06/23/88	DRY								
SW-051	04/17/89	DRY								
SW-051	05/10/89	DRY								
SW-051	06/27/89	.0400 U R	5U R	.0050 U A	.0100 U A	8.40 V	1U V	.0100 U A	.100 U A	.0500 U V
SW-051	07/18/89	DRY								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), total mg/l
SW-030	03/28/89	.0200 U V
SW-030	05/16/89	.0200 U
SW-030	06/22/89	.0200 U
SW-030	07/20/89	DRY
SW-030	08/21/89	.0200 U
SW-030	08/21/89	.0200 U
SW-030	09/25/89	.0226
SW-030	10/20/89	.0225
SW-030	11/09/89	DRY
SW-030	12/01/89	DRY
SW-030	01/05/90	DRY
SW-030	02/02/90	DRY
SW-030	03/15/90	Data not yet received
SW-050	. / /	DRY
SW-050	07/21/87	Insufficient Sample or Total Metals Analysis not requested.
SW-050	06/27/88	.0902
SW-050	06/27/88	Insufficient Sample or Total Metals Analysis not requested.
SW-050	04/17/89	DRY
SW-050	05/10/89	DRY
SW-050	06/27/89	.0509 A
SW-050	07/18/89	.110
SW-050	08/11/89	DRY
SW-050	09/12/89	DRY
SW-050	10/04/89	DRY
SW-050	11/03/89	DRY
SW-050	12/01/89	DRY
SW-050	01/05/90	DRY
SW-050	02/02/90	DRY
SW-050	03/17/90	DRY
SW-051	07/21/87	Insufficient Sample or Total Metals Analysis not requested.
SW-051	06/23/88	DRY
SW-051	04/17/89	DRY
SW-051	05/10/89	DRY
SW-051	06/27/89	.0200 U A
SW-051	07/18/89	DRY

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-052	06/23/88	4.29	.040 U	.010 U	.2 U	.005 U	.005 U	96.2	NR	.010 U
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-053	06/23/88	2.35	.040 U	.010 U	.26	.005 U	.005 U	117	NR	.010 U
SW-053	06/23/88	Insufficient Sample or Total Metals Analysis not requested.								
SW-053	04/05/89	NR	NR	NR	NR	NR	NR	NR	NR	NR
SW-053	05/23/89	.666	.0600 U	.0100 U	.234	.0050 U	.0050 U	116	1U	.0100 U
SW-053	06/26/89	6.62 V	.0600 U V	.0200 U V	.448 V	.0055 V	.0050 U A	146 V	.100 U V	.0100 U V
SW-053	07/19/89	DRY								
SW-053	08/15/89	.200 U A	.0600 U V	.0100 U A	.232 V	.0050 U V	.0050 U A	140 V	1U V	.0100 U V
SW-053	09/20/89	.200 U	.0600 U	.0100 U	.244	.0050 U	.0050 U	142	1U	.0100 U
SW-053	10/12/89	.400 A	.0600 U V	.0100 U A	.218 V	.0050 U V	.0050 U V	146 V	2.50 U V	.0100 U V
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-052	06/23/88	.050 U	.025 U	3	.0389	NR	14.5	.0301	.0002 U	NR
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-053	06/23/88	.050 U	.025 U	5.95	.0623	NR	31	.712	.0002 U	NR
SW-053	06/23/88	Insufficient Sample or Total Metals Analysis not requested.								
SW-053	04/05/89	NR	NR	NR	.0050 U	NR	NR	NR	NR	NR
SW-053	05/23/89	.0500 U	.0250 U	8.62	.0050 U	.0240	28.10	.651	.0002 U	.0100 U
SW-053	06/26/89	.0500 U V	.0299 A	22.30 V	.0200 U V	.100 U V	31.30 V	.719 V	.0002 U V	.100 U V
SW-053	07/19/89	DRY								
SW-053	08/15/89	.0500 U V	.0250 U A	5.64 V	.0030 U A	.100 U V	27.20 V	.501 V	.0002 U V	.100 U V
SW-053	09/20/89	.0500 U	.0250 U	5.06	.0050 U	.100 U	24.60	.474	.0007	.100 U
SW-053	10/12/89	.0500 U V	.0250 U A	5.47 V	.0030 U R	.100 U V	26.20 V	.467 A	.0002 U V	.100 U V
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-051	08/11/89	DRY								
SW-051	09/12/89	DRY								
SW-051	10/04/89	DRY								
SW-051	11/03/89	DRY								
SW-051	12/01/89	DRY								
SW-051	01/05/90	DRY								
SW-051	02/02/90	DRY								
SW-052	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-052	06/23/88	.040 U	5 U	.005 U	.010 U	41.4	.440	.100 U	NR	.050 U
SW-052	04/17/89	DRY								
SW-052	05/10/89	DRY								
SW-052	06/09/89	DRY								
SW-052	07/07/89	DRY								
SW-052	08/11/89	DRY								
SW-052	09/28/89	DRY								
SW-052	10/04/89	DRY								
SW-052	11/03/89	DRY								
SW-052	12/01/89	DRY								
SW-052	01/05/90	DRY								
SW-052	02/02/90	DRY								
SW-052	03/17/90	DRY								
SW-053	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-053	06/23/88	.040 U	5 U	.00 U	.010 U	17.6	.802	.010 U	NR	.050 U
SW-053	06/23/88	Insufficient Sample or Total Metals Analysis not requested.								
SW-053	04/05/89	NR	NR	NR	NR	NR	NR	NR	NR	NR
SW-053	05/23/89	.0400 U	5U	.0250 U	.0100 U	20.90	1U	.0100 U	.100 U	.0500 U
SW-053	06/26/89	.0400 U V	5U A	.0050 U A	.0100 U V	17.10 V	.847 V	.0100 U R	.109 V	.0500 U V
SW-053	07/19/89	DRY								
SW-053	08/15/89	.0400 U V	5U V	.0050 U V	.0100 U A	14.70	1U V	.100 U R	.100 U V	.0500 U R
SW-053	09/20/89	.0400 U	5U	.0050 U	.0100 U	16.80	1U	.0100 U	.100 U	.0500 U
SW-053	10/12/89	.0400 U V	5U R	.0050 U A	.0100 U V	18.40 V	.796 A	.0100 U A	.100 U V	.0500 U V
SW-053	11/07/89	Data not yet received								
SW-053	12/15/89	Data not yet received								
SW-053	01/17/90	Data not yet received								
SW-053	02/13/90	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), total mg/l
SW-051	08/11/89	DRY
SW-051	09/12/89	DRY
SW-051	10/04/89	DRY
SW-051	11/03/89	DRY
SW-051	12/01/89	DRY
SW-051	01/05/90	DRY
SW-051	02/02/90	DRY
SW-052	07/21/87	Insufficient Sample or Total Metals Analysis not requested.
SW-052	06/23/88	.0239
SW-052	04/17/89	DRY
SW-052	05/10/89	DRY
SW-052	06/09/89	DRY
SW-052	07/07/89	DRY
SW-052	08/11/89	DRY
SW-052	09/28/89	DRY
SW-052	10/04/89	DRY
SW-052	11/03/89	DRY
SW-052	12/01/89	DRY
SW-052	01/05/90	DRY
SW-052	02/02/90	DRY
SW-052	03/17/90	DRY
SW-053	07/21/87	Insufficient Sample or Total Metals Analysis not requested.
SW-053	06/23/88	.0252
SW-053	06/23/88	Insufficient Sample or Total Metals Analysis not requested.
SW-053	04/05/89	NR
SW-053	05/23/89	.0200 U
SW-053	06/26/89	.121 V
SW-053	07/19/89	DRY
SW-053	08/15/89	.0200 U R
SW-053	09/20/89	.0269
SW-053	10/12/89	.0288 A
SW-053	11/07/89	Data not yet received
SW-053	12/15/89	Data not yet received
SW-053	01/17/90	Data not yet received
SW-053	02/13/90	Data not yet received

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-054	/ /	DRY								
SW-054	07/05/88	0.384	0.500 U	0.002	0.113	0.002 U	0.004 U	54.5	NR	0.020 U
SW-054	03/21/89	.292 A	.0600 U R	.0100 U V	.200 U V	.0050 U V	.0050 U V	39.20 V	1U V	.0100 U R
SW-054	05/18/89	46.30 A	.0600 U A	.0100 U A	.465 V	.0131 V	.0050 U R	63.10 V	1U V	.0515 A
SW-054	06/22/89	50	.0600 U	.0126	.875	.0050 U	.0050 U	107	1U	.0612
SW-054	07/19/89	8.34	.0600 U	.0126	.247	.0050 U	.0050 U	69	1U	.0100 U
SW-054	08/15/89	.200 U A	.0600 U V	.0100 U R	.200 U V	.0050 U V	.0050 U A	39.80 V	1U V	.0100 U V
SW-054	09/21/89	.788	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	43.60	1U	.0100 U
SW-054	10/12/89	.223 A	.416 V	.0100 U V	.200 U V	.0050 U V	.0050 U V	54.80 V	2.50 U V	.0100 U V
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-055	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-055	06/22/88	.20 U	.040 U	.010 U	.310	.005 U	.005 U	127	NR	.010 U
SW-055	04/17/89	6.40 V	.0600 U A	.0100 U V	.307 V	.0069 A	.0050 U A	104 V	1U V	.0127 A
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	28.30 V	.0600 U A	.0100 U A	.573 V	.0050 U A	.0050 U A	107 A	1U V	.0288 A
SW-055	07/18/89	14.70	.0600 U	.0100 U	.492	.0050 U	.0050 U	156	1U	.0113
SW-055	08/16/89	.267 A	.0600 U V	.0100 U R	.308 V	.0050 U V	.0050 U A	128 V	1U V	.0100 U V
SW-055	09/20/89	.200 U	.0600 U	.0100 U	.346	.0050 U	.0050 U	142	1U	.0100 U
SW-055	10/19/89	.548	.500 U	.0024	.269	.0020 U	.0040 U	118	.0010 U	.0200 U
SW-055	11/09/89	.222	.0600 U	.0100 U	.295	.0050 U	.0050 U	127	1U	.0100 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-054	/ /	DRY								
SW-054	07/05/88	0.020 U	0.020 U	0.971	0.008	NR	11.7	.0.388	0.0002 U	NR
SW-054	03/21/89	.0500 U V	.0250 U V	.308 V	.0250 U A	.100 U V	9.16 V	.0167 A	.0002 U A	.100 U V
SW-054	05/18/89	.0500 U V	.0709 V	35.90 A	.0744 A	.0392 V	17.40 V	.865 V	.0002 U V	.0379 V
SW-054	06/22/89	.0500 U	.108	50.40	.0630	.100 U	26.50	2.02	.0002 U	.100 U
SW-054	07/19/89	.0500 U	.0250 U	8.91	.0180	.100 U	13.20	.388	.0002 U	.100 U
SW-054	08/15/89	.0500 U V	.0250 U A	.267 A	.0030 U A	.100 U V	7.45 V	.0404 V	.0002 U V	.100 U V
SW-054	09/21/89	.0500 U	.0250 U	.624	.0050 U	.100 U	9.33	.0150 U	.0002 U	.100 U
SW-054	10/12/89	.0500 U V	.0250 U V	.609 V	.0030 U R	.100 U V	15.60 V	.0849 A	.0002 U V	.333 V
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-055	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-055	06/22/88	.05 U	.025 U	.102	.005 U	NR	26.6	.205	.0002 U	NR
SW-055	04/17/89	.0500 U V	.0295 A	6.20 V	.0155 V	.0831 A	21.10 V	.464 V	.0005 A	.0275 A
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	.0500 U V	.0570 V	26.70 A	.0576 V	.104 A	26.40 V	.771 V	.0002 U V	.100 U A
SW-055	07/18/89	.0500 U	.0292	13.10	.0273	.172	31.10	.954	.0002 U	.100 U
SW-055	08/16/89	.0500 U V	.0250 U A	.186 A	.0030 U A	.180 A	26.10 V	.363 V	.0002 U V	.100 U V
SW-055	09/20/89	.0500 U	.0250 U	.187	.0050 U	.132	27.90	.267	.0006	.100 U
SW-055	10/19/89	.0200 U	.0200 U	.774	.0045	3.20	24.10	.280	.0002 U	.500 U
SW-055	11/09/89	.0500 U	.0250 U	.264	.0050 U	.165	27.50	.290	.0003	.100 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-054	/ /	DRY								
SW-054	07/05/88	0.020 U	3.4	0.005 U	0.030 U	21.1	0.348	0.300 U	NR	0.010 U
SW-054	03/21/89	.0400 U A	5U A	.0050 U A	.0100 U V	26.10 V	.308 V	.0100 U A	.100 U V	.0500 U V
SW-054	05/18/89	.0583 A	10.20 V	.0056 A	.0100 U A	25 V	1U V	.0100 U R	.100 U V	.124 V
SW-054	06/22/89	.0400 U	13.10	.0050 U	.0100 U	37.30	1U	.0100 U	.103	.148
SW-054	07/19/89	.0400 U	6.58	.0050 U	.0100 U	28.30	1U	.0100 U	.100 U	.0500 U
SW-054	08/15/89	.0400 U V	5U A	.0050 U V	.0100 U A	15.70	1U V	.0100 U R	.100 U V	.0500 U R
SW-054	09/21/89	.0400 U	5U	.0050 U	.0100 U	17.10	1U	.0100 U	.100 U	.0500 U
SW-054	10/12/89	.0400 U V	5U A	.0050 U V	.0100 U A	39 V	.414 A	.0100 U A	1.53 V	.0500 U V
SW-054	11/03/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	12/12/89	Data not yet received								
SW-054	01/18/90	Data not yet received								
SW-054	02/12/90	Data not yet received								
SW-055	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-055	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-055	06/22/88	.040 U	5 U	.0075	.010 U	73.8	.879	.100 U	NR	.050 U
SW-055	04/17/89	.0400 U R	5U A	.0050 U A	.0100 U V	42.30 V	1U A	.0100 U V	.100 U V	.0500 U V
SW-055	05/25/89	Data not yet received								
SW-055	06/28/89	.0400 U A	7.26 A	.0050 U R	.0100 U A	36.60 V	1U V	.0100 U A	.141 A	.0852 V
SW-055	07/18/89	.0400 U	6.32	.0050 U	.0100 U	69.50	1U	.0100 U	.100 U	.0500 U
SW-055	08/16/89	.0400 U V	5U A	.0050 U A	.0100 U A	57.20 A	1U V	.100 U R	.100 U V	.0500 U R
SW-055	09/20/89	.0400 U	5U	.0050 U	.0100 U	86.90	1U	.0400 U	.100 U	.0500 U
SW-055	10/19/89	.0200 U	2.31	.0020 U	.0300 U	67.40	.812	.0030 U	1U	.0100 U
SW-055	11/09/89	.0400 U	5U	.0050 U	.0100 U	74.20	1U	.0200 U	.100 U	.0500 U
SW-055	12/07/89	Data not yet received								
SW-055	01/16/90	Data not yet received								
SW-055	02/23/90	Data not yet received								
SW-055	03/15/90	Data not yet received								
SW-057	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-057	06/23/88	DRY								
SW-057	04/17/89	DRY								
SW-057	05/10/89	DRY								
SW-057	06/09/89	DRY								
SW-057	07/07/89	DRY								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), total mg/l	
SW-054	/ /	DRY	
SW-054	07/05/88	0.020 U	
SW-054	03/21/89	.0549	R
SW-054	05/18/89	.380	V
SW-054	06/22/89	.623	
SW-054	07/19/89	.188	
SW-054	08/15/89	.0200 U	R
SW-054	09/21/89	.237	
SW-054	10/12/89	.0240	A
SW-054	11/03/89	Data not yet received	
SW-054	12/12/89	Data not yet received	
SW-054	12/12/89	Data not yet received	
SW-054	01/18/90	Data not yet received	
SW-054	02/12/90	Data not yet received	
SW-055	07/21/87	Insufficient Sample or Total Metals Analysis not requested.	
SW-055	07/21/87	Insufficient Sample or Total Metals Analysis not requested.	
SW-055	06/22/88	.341	
SW-055	04/17/89	2.30	V
SW-055	05/25/89	Data not yet received	
SW-055	06/28/89	2.84	V
SW-055	07/18/89	1.93	
SW-055	08/16/89	.944	V
SW-055	09/20/89	.976	
SW-055	10/19/89	1.01	
SW-055	11/09/89	1.32	
SW-055	12/07/89	Data not yet received	
SW-055	01/16/90	Data not yet received	
SW-055	02/23/90	Data not yet received	
SW-055	03/15/90	Data not yet received	
SW-057	07/21/87	Insufficient Sample or Total Metals Analysis not requested.	
SW-057	06/23/88	DRY	
SW-057	04/17/89	DRY	
SW-057	05/10/89	DRY	
SW-057	06/09/89	DRY	
SW-057	07/07/89	DRY	

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-058	06/23/88	.419	.040 U	.010 U	.214	.005 U	.005 U	111	NR	.010 U
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	.550 V	.0600 U V	.0100 U A	.212 V	.0050 U A	.0050 U V	97.90 V	.100 U V	.0100 U V
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-062	07/05/88	0.514	0.500 U	0.002 U	0.113	0.002 U	0.005	55.4	NR	0.036
SW-062	03/28/89	.200 U A	.0600 U R	.0100 U V	.200 U V	.0050 U R	.0050 U V	24.40 A	1U V	.0100 U R
SW-062	05/23/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	49.50	1U	.0100 U
SW-062	06/22/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	55.40	1U	.0100 U
SW-062	07/19/89	2.05	.0600 U	.0100 U	.226	.0050 U	.0050 U	124	1U	.0100 U
SW-062	08/15/89	.200 U A	.0600 U V	.0100 U R	.200 U V	.0050 U V	.0050 U A	115 V	1U V	.0100 U A
SW-062	09/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	57.70	1U	.0100 U
SW-062	10/12/89	.510 A	.0600 U V	.0100 U V	.200 U V	.0050 U V	.0050 U V	67.50 V	2.50 U V	.0100 U V
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-058	06/23/88	.050 U	.025 U	.489	.005 U	NR	20.1	.11	.0002 U	NR
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	.0500 U V	.0321 A	.842 V	.0050 U V	.100 U V	11.30 V	.0457 V	.0002 U V	.100 U V
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-062	07/05/88	0.020 U	0.025	1.59	0.006	NR	14.1	0.465	0.0002 U	NR
SW-062	03/28/89	.0500 U V	.0250 U R	.194 A	0050 U A	.0100 U V	5.76 V	.0150 U A	.0002 U V	.0100 U V
SW-062	05/23/89	.0500 U	.0250 U	.613	.0050 U	.0100 U	11.20	.148	.0002 U	.0100 U
SW-062	06/22/89	.0500 U	.0250 U	.574	.0050 U	.100 U	13.10	.219	.0002 U	.100 U
SW-062	07/19/89	.0500 U	.0250 U	3.64	.0050 U	.100 U	30.30	1.35	.0002 U	.100 U
SW-062	08/15/89	.0500 U V	.0250 U V	.592 V	.0030 U A	.100 U V	28.10 V	.272 V	.0002 U V	.100 U V
SW-062	09/15/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	12.80	.0171	.0002 U	.100 U
SW-062	10/12/89	.0500 U V	.0250 U V	1.34 V	.0030 U R	.100 U V	15.80 V	.106 A	.0002 U V	.100 U V
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-057	08/11/89	DRY								
SW-057	09/16/89	DRY								
SW-057	10/04/89	DRY								
SW-057	11/03/89	DRY								
SW-057	12/01/89	DRY								
SW-057	01/05/90	DRY								
SW-057	02/02/90	DRY								
SW-057	03/17/90	DRY								
SW-058	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-058	06/23/88	.040 U	5 U	.005 U	.010 U	16.7	.765	.010 U	NR	.050 U
SW-058	04/17/89	DRY								
SW-058	05/10/89	DRY								
SW-058	06/28/89	.0400 U V	5U R	.0050 U A	.0100 U V	8.59 V	.468 V	.0100 U A	.100 U V	.0500 U V
SW-058	07/14/89	DRY								
SW-058	08/11/89	DRY								
SW-058	09/20/89	DRY								
SW-058	10/04/89	DRY								
SW-058	11/20/89	DRY								
SW-058	12/01/89	DRY								
SW-058	01/05/90	DRY								
SW-058	02/02/90	DRY								
SW-062	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-062	07/05/88	0.020 U	1.6	0.005 U	0.030 U	46.1	0.377	0.300 U	NR	0.010 U
SW-062	03/28/89	.0400 U R	5U A	.0050 U A	.0100 U A	23.70 V	.132 V	.0100 U A	.100 U V	.0500 U R
SW-062	05/23/89	.0400 U	5U	.0050 U	.0100 U	35.30	1U	.0100 U	.100 U	.0500 U
SW-062	06/22/89	.0400 U	5U	.0050 U	.0100 U	42.10	1U	.0100 U	.100 U	.0500 U
SW-062	07/19/89	.0400 U	5U	.0050 U	.0100 U	102	1U	.0100 U	.100 U	.0500 U
SW-062	08/15/89	.0400 U V	5U A	.0050 U A	.0100 U A	79.70	1U V	.100 U R	.100 U V	.0500 U R
SW-062	09/15/89	.0400 U	5U	.0050 U	.0100 U	39.70	1U	.0100 U	.100 U	.0500 U
SW-062	10/12/89	.0400 U V	5U R	.0050 U V	.0100 U V	49.20 V	.416 A	.0100 U A	.100 U V	.0500 U V
SW-062	11/08/89	Data not yet received								
SW-062	12/13/89	Data not yet received								
SW-062	01/18/90	Data not yet received								
SW-062	02/20/90	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), total mg/l
SW-057	08/11/89	DRY
SW-057	09/16/89	DRY
SW-057	10/04/89	DRY
SW-057	11/03/89	DRY
SW-057	12/01/89	DRY
SW-057	01/05/90	DRY
SW-057	02/02/90	DRY
SW-057	03/17/90	DRY
SW-058	07/21/87	Insufficient Sample or Total Metals Analysis not requested.
SW-058	06/23/88	.020 U
SW-058	04/17/89	DRY
SW-058	05/10/89	DRY
SW-058	06/28/89	.0544 A
SW-058	07/14/89	DRY
SW-058	08/11/89	DRY
SW-058	09/20/89	DRY
SW-058	10/04/89	DRY
SW-058	11/20/89	DRY
SW-058	12/01/89	DRY
SW-058	01/05/90	DRY
SW-058	02/02/90	DRY
SW-062	07/22/87	Insufficient Sample or Total Metals Analysis not requested.
SW-062	07/05/88	0.100
SW-062	03/28/89	.0200 U V
SW-062	05/23/89	.0200 U
SW-062	06/22/89	.0200 U
SW-062	07/19/89	.132
SW-062	08/15/89	.0200 U R
SW-062	09/15/89	.0359
SW-062	10/12/89	.0200 U A
SW-062	11/08/89	Data not yet received
SW-062	12/13/89	Data not yet received
SW-062	01/18/90	Data not yet received
SW-062	02/20/90	Data not yet received

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Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-063	07/24/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-063	07/06/88	0.750	0.500 U	0.003	0.107	0.002 U	0.004 U	94.5	NR	0.020 U
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-064	07/07/88	15.4	0.500 U	0.006	0.268	0.002 U	0.007	136	NR	0.041
SW-064	03/30/89	DRY								
SW-064	05/22/89	.446	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	68.50	1U	.0100 U
SW-064	06/27/89	.998 V	.0600 U A	.0100 U R	.200 U V	.0050 U V	.0050 U V	72.60 V	.100 U V	.0100 U R
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	2.6	.060 U	.010 U	0.200 U	0.005 U	0.005 U	55.8	NR	0.01 U
SW-070	03/29/89	1.19 A	.0600 U R	.0100 U A	.200 U V	.0050 U A	.0050 U R	68.60 V	1U V	.0100 U A
SW-070	05/16/89	.398	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	37.90	1U	.0100 U
SW-070	06/23/89	.556	.0600 U	.0100 U	.204	.0050 U	.0050 U	61.40	.100 U	.0100 U
SW-070	07/20/89	1.60	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	38.60	1U	.0100 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	.516	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	74.20	1U	.0100 U
SW-070	10/23/89	.711	.500 U	.0020 U	.0867	.0020 U	.0040 U	60	.0010 U	.0406

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Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-063	07/24/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-063	07/06/88	0.020 U	0.020 U	1.32	0.006	NR	32.0	0.465	0.0002 U	NR
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-064	07/07/88	0.020 U	0.041	17.1	0.004 U	NR	56.7	0.368	0.0002 U	NR
SW-064	03/30/89	DRY								
SW-064	05/22/89	.0500 U	.0250 U	.920	.0050 U	.0925	44.80	.0515	.0002 U	.0100 U
SW-064	06/27/89	.0500 U V	.0250 U V	1.07 A	.0050 U A	.100 U V	53.60 V	.0543 V	.0002 U V	.100 U V
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	0.05 U	0.025 U	1.58	.005 U	NR	12.8	0.089	.0004	NR
SW-070	03/29/89	.0500 U V	.0250 U A	1.13 A	.0050 U A	.0151 V	15.50 V	.0392 A	.0002 U V	.0100 U V
SW-070	05/16/89	.0500 U	.0250 U	.417	.0050 U	.0100 U	8.40	.0151	.0002 U	.0100 U
SW-070	06/23/89	.0500 U	.0250 U	.692	.0050 U	.100 U	16.70	.0701	.0002 U	.100 U
SW-070	07/20/89	.0500 U	.0250 U	1.58	.0050 U	.100 U	15	.114	.0002 U	.100 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	.0500 U	.0250 U	.445	.0050 U	.100 U	18.10	.0326	.0002 U	.100 U
SW-070	10/23/89	.0200 U	.0200 U	.634	.0050	.0120	14.90	.0239	.0002 U	.500 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-063	07/24/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-063	07/06/88	0.020 U	1.61	0.011	0.030 U	98.4	1.25	0.300 U	NR	0.010 U
SW-063	03/28/89	DRY								
SW-063	05/12/89	DRY								
SW-063	06/21/89	DRY								
SW-063	07/19/89	DRY								
SW-063	08/11/89	DRY								
SW-063	09/15/89	DRY								
SW-063	10/04/89	DRY								
SW-063	11/03/89	DRY								
SW-063	12/01/89	DRY								
SW-063	01/05/90	DRY								
SW-063	02/02/90	DRY								
SW-064	Q7/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-064	07/07/88	0.023	3.42	0.010 U	0.030 U	110	1.36	0.300 U	NR	0.033
SW-064	03/30/89	DRY								
SW-064	05/22/89	.0400 U	5U	.0115	.0100 U	107	1.14	.0400 U	.100 U	.0500 U
SW-064	06/27/89	.0400 U V	5U R	.0050 U A	.0100 U A	99.30 V	1.20 A	.0100 U A	.100 U V	.0500 U V
SW-064	07/19/89	DRY								
SW-064	08/11/89	DRY								
SW-064	09/20/89	DRY								
SW-064	10/04/89	DRY								
SW-064	11/09/89	DRY								
SW-064	12/01/89	DRY								
SW-064	01/05/90	DRY								
SW-064	02/02/90	DRY								
SW-070	06/29/88	0.04 U	5U	.005 U	0.01	24.0	0.4	.010 U	NR	0.05 U
SW-070	03/29/89	.0400 U R	5U A	.0250 U A	.0100 U A	37.60 V	.439 V	.0400 U A	.100 U V	.0500 U A
SW-070	05/16/89	.0400 U	5U	.0050 U	.0100 U	19.70	1U	.0100 U	.100 U	.0500 U
SW-070	06/23/89	.0400 U	5U	.0050 U	.0100 U	30.20	.455	.0100 U	.100 U	.0500 U
SW-070	07/20/89	.0400 U	5U	.0050 U	.0100 U	32.50	1U	.0100 U	.100 U	.0500 U
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	.0400 U	5U	.0050 U	.0100 U	33.10	1U	.0100 U	.100 U	.0500 U
SW-070	10/23/89	.0200 U	2.86	.0020 U	.0300 U	29.60	.428	.0030 U	1U	.0100 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), total mg/l
SW-063	07/24/87	Insufficient Sample or Total Metals Analysis not requested.
SW-063	07/06/88	0.020 U
SW-063	03/28/89	DRY
SW-063	05/12/89	DRY
SW-063	06/21/89	DRY
SW-063	07/19/89	DRY
SW-063	08/11/89	DRY
SW-063	09/15/89	DRY
SW-063	10/04/89	DRY
SW-063	11/03/89	DRY
SW-063	12/01/89	DRY
SW-063	01/05/90	DRY
SW-063	02/02/90	DRY
SW-064	07/22/87	Insufficient Sample or Total Metals Analysis not requested.
SW-064	07/07/88	0.126
SW-064	03/30/89	DRY
SW-064	05/22/89	.0200 U
SW-064	06/27/89	.0779 V
SW-064	07/19/89	DRY
SW-064	08/11/89	DRY
SW-064	09/20/89	DRY
SW-064	10/04/89	DRY
SW-064	11/09/89	DRY
SW-064	12/01/89	DRY
SW-064	01/05/90	DRY
SW-064	02/02/90	DRY
SW-070	06/29/88	0.06
SW-070	03/29/89	.340 V
SW-070	05/16/89	.0200 U
SW-070	06/23/89	.0533
SW-070	07/20/89	.0457
SW-070	08/14/89	Data not yet received
SW-070	08/14/89	Data not yet received
SW-070	09/26/89	.0341
SW-070	10/23/89	.0171

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-070	10/23/89	.636	.500 U	.0023	.0900	.0020 U	.0040 U	59.90	.0010 U	.0200 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	.0002 U	.00004 U	.00001 U	.0003	.005 U	.005 U	.109	NR	.00001 U
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	1.17 V	.0600 U A	.0100 U A	.214 V	.0050 U A	.0050 U V	118U V	.100 U V	.0100 U R
SW-077	07/18/89	DRY								
SW-077	08/16/89	2.37 V	.0600 U V	.0100 U A	.200 U V	.0050 U V	.0050 U A	72.30 V	1U V	.0100 U V
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

SW-021	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-022	/ /	DRY								
SW-023	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-059	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-059	07/01/88	6.3	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	122	NR	0.010 U
SW-059	03/20/89	1.21 V	.0600 U R	.0100 U A	.208 V	.0050 U R	.0050 U R	119 A	1U V	.0100 U R
SW-059	05/11/89	22.80	.0600 U	.0100 U	.331	.0076	.0050 U	466	1U	.0232
SW-059	06/08/89	1.23 V	.0600 U V	.0100 U R	.200 U V	.0050 U A	.0050 U V	126 V	.100 U V	.0100 U V
SW-059	07/06/89	15	.102	.0100 U	.461	.0057	.0050 U	235	.100 U	.0147
SW-059	08/10/89	Data not yet received								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-070	10/23/89	.0200 U	.0200 U	.627	.0042	.0110	15.10	.0245	.0002 U	.500 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	.00005 U	.00003 U	.0001 U	.005 U	NR	.0229	.0016	.0002 U	NR
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	.0500 U V	.0250 U V	2.54 A	.0136 A	.100 U V	24.50 V	.404 V	.0002 U V	.100 U V
SW-077	07/18/89	DRY								
SW-077	08/16/89	.0500 U V	.0250 U A	2.72 V	.0060 U A	.100 U V	14 V	.261 V	.0002 U V	.100 U V
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

SW-021	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-022	/ /	DRY								
SW-023	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-059	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-059	07/01/88	0.050 U	0.025 U	5.0	0.005 U	NR	21	0.08	0.0002 U	NR
SW-059	03/20/89	.0500 U V	.0250 U V	1.18 V	.0317 A	.100 U V	28.70 V	.0331 V	.0006 A	.100 U V
SW-059	05/11/89	.0500 U	.0250 U	17	.0196	.0296	27.70	.135	.0002 U	.0191
SW-059	06/08/89	.0500 U V	.0446 A	.845 V	.0050 U A	.100 U A	20.60 V	.0459 V	.0002 U V	.100 U V
SW-059	07/06/89	.0500 U	.0437	16.10	.0258	2.56	28.40	.197	.0002 U	.100 U
SW-059	08/10/89	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-070	10/23/89	.0200 U	2.60	.0020 U	.0300 U	30.90	.445	.0030 U	1U	.0100 U
SW-070	11/16/89	Data not yet received								
SW-070	12/13/89	Data not yet received								
SW-070	01/11/90	Data not yet received								
SW-070	02/07/90	Data not yet received								
SW-070	03/15/90	Data not yet received								
SW-077	06/22/88	.00004 U	.0050 U	.005 U	.00001 U	.0592	.0006	.00001 U	NR	.00005 U
SW-077	03/30/89	DRY								
SW-077	05/11/89	DRY								
SW-077	06/27/89	.0400 U V	5U A	.0126 V	.0100 U A	44.10 V	.603 A	.0100 U A	.100 U V	.0500 U V
SW-077	07/18/89	DRY								
SW-077	08/16/89	.0400 U V	8.77 V	.0050 U V	.0100 U A	24.50 A	1U V	.0100 U R	.100 U V	.0500 U A
SW-077	09/20/89	DRY								
SW-077	10/04/89	DRY								
SW-077	11/09/89	DRY								
SW-077	12/01/89	DRY								
SW-077	01/05/90	DRY								
SW-077	02/02/90	DRY								
SW-077	03/16/90	Data not yet received								

Mound Area

SW-021	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-022	/ /	DRY								
SW-023	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-059	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-059	07/01/88	0.040 U	5.0 U	0.005 U	0.010 U	29	0.7	0.010 U	NR	0.050 U
SW-059	03/20/89	.0400 U V	5U A	.0050 U A	.0100 U V	36.80 V	.763 V	.0100 U R	.100 U V	.0500 U V
SW-059	05/11/89	.0400 U	5U	.0160	.0100 U	37.60	1U	.0100 U	.100 U	.0584
SW-059	06/08/89	.0400 U V	5U A	.0050 U A	.0100 U V	31.50 V	.601 A	.0100 U A	.100 U V	.0500 U V
SW-059	07/06/89	.0400 U	5U	.0500 U	.0100 U	30.50	1.36	.0100 U	.100 U	.0595
SW-059	08/10/89	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Zinc (Zn), total mg/l	
SW-070	10/23/89	.0290	
SW-070	11/16/89	Data not yet received	
SW-070	12/13/89	Data not yet received	
SW-070	01/11/90	Data not yet received	
SW-070	02/07/90	Data not yet received	
SW-070	03/15/90	Data not yet received	
SW-077	06/22/88	.00003	
SW-077	03/30/89	DRY	
SW-077	05/11/89	DRY	
SW-077	06/27/89	.218	V
SW-077	07/18/89	DRY	
SW-077	08/16/89	.0521	A
SW-077	09/20/89	DRY	
SW-077	10/04/89	DRY	
SW-077	11/09/89	DRY	
SW-077	12/01/89	DRY	
SW-077	01/05/90	DRY	
SW-077	02/02/90	DRY	
SW-077	03/16/90	Data not yet received	

Mound Area

SW-021	08/19/86	Insufficient Sample or Total Metals Analysis not requested.	
SW-022	/ /	DRY	
SW-023	08/19/86	Insufficient Sample or Total Metals Analysis not requested.	
SW-059	07/21/87	Insufficient Sample or Total Metals Analysis not requested.	
SW-059	07/01/88	0.500	
SW-059	03/20/89	.573	A
SW-059	05/11/89	1.08	
SW-059	06/08/89	.443	V
SW-059	07/06/89	2.66	
SW-059	08/10/89	Data not yet received	

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-059	09/18/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	113	1U	.0100 U
SW-059	10/03/89	.190	.500 U	.0020 U	.166	.0020 U	.0040 U	102	.0010 U	.0200 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-060	11/11/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-060	07/01/88	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	106	NR	0.010 U
SW-060	03/16/89	.200 U A	.0600 U R	.0100 U A	.200 U A	.0050 U A	.0050 U R	90.80 V	1U V	.0100 U R
SW-060	03/16/89	.200 U R	.0600 U R	.0100 U A	.200 U A	.0050 U A	.0050 U V	92.20 V	1U V	.0100 U R
SW-060	05/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	71.20	1U	.0100 U
SW-060	05/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	70.20	1U	.0100 U
SW-060	06/09/89	.282 A	.0611 A	.0100 U V	.200 U A	.0050 U A	.0050 U R	94 A	1U V	.0100 U R
SW-060	07/06/89	1.89	.0600 U	.0100 U	.218	.0050 U	.0050 U	120	1U	.0100 U
SW-060	08/03/89	.296 V	.0600 U R	.0100 U V	.200 U V	.0050 U R	.0050 U V	101 V	1U V	.0100 U V
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	.0300 U	.500 U	.0020 U	.179	.0020 U	.0040 U	95	.0010 U	.0200 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-061	11/11/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-061	07/01/88	0.200 U	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	97	NR	0.010 U
SW-061	03/20/89	1.61 V	.0600 U A	.0100 U V	.200 U V	.0050 U R	.0050 U R	27.40 V	1U V	.0100 U V
SW-061	05/15/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	61.80	1U	.0100 U
SW-061	06/09/89	.200 U A	.0600 U V	.0100 U V	.200 U A	.0050 U A	.0050 U R	84.50 A	1U V	.0100 U R
SW-061	07/06/89	.281	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	90.50	1U	.0100 U
SW-061	08/03/89	.311 V	.0600 U V	.0100 U V	.200 U A	.0050 U R	.0050 U V	84.30 V	1U V	.0100 U R
SW-061	09/11/89	Data not yet received								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-059	09/18/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	24.50	.0150 U	.0002 U	.100 U
SW-059	10/03/89	.0200 U	.0200 U	.325	.0020 U	.0250	21.90	.0100 U	.0002 U	.500 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-060	11/11/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-060	07/01/88	0.050 U	0.025 U	0.100 U	0.005 U	NR	17	0.015 U	0.0002 U	NR
SW-060	03/16/89	.0500 U A	.0250 U V	.100 U A	.0050 U A	.100 U V	15.50 V	.0154 A	.0002 U V	.100 U V
SW-060	03/16/89	.0500 U A	.0250 U V	.100 U A	.0050 U A	.100 U V	15.90 V	.0150 U A	.0002 U V	.100 U V
SW-060	05/15/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	12.80	.0258	.0002 U	.0100 U
SW-060	05/15/89	.0500 U	.0250 U	.100 U	.0050 U	.0100 U	12.80	.0222	.0002 U	.0100 U
SW-060	06/09/89	.0500 U R	.0250 U R	.564 V	.0050 U A	.152 V	13.80 A	.0373 V	.0002 U V	.100 U V
SW-060	07/06/89	.0500 U	.0250 U	1.52	.0050 U	.100 U	16.40	.0266	.0002 U	.100 U
SW-060	08/03/89	.0500 U V	.0250 U R	.187 V	.0050 U A	.100 U V	17.10 V	.0150 U A	.0002 U V	.100 U V
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	.0200 U	.0200 U	.0855	.0020 U	.0200	15.70	.0100 U	.0002 U	.500 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-061	11/11/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-061	07/01/88	0.050 U	0.025 U	0.30	0.005 U	NR	19	0.06 U	0.0002 U	NR
SW-061	03/20/89	.0500 U A	.0250 U V	1.73 V	.0250 U A	.100 U V	5.76 V	.0459 V	.0002 U V	.100 U V
SW-061	05/15/89	.0500 U	.0250 U	.165	.0250 U	.0100 U	11.80	.0406	.0002 U	.0100 U
SW-061	06/09/89	.0500 U A	.0250 U A	.411 V	.0050 U A	.100 U V	13.80 A	.0461 V	.0002 U V	.100 U V
SW-061	07/06/89	.0500 U	.0250 U	.362	.0050 U	.100 U	16.50	.0427	.0002 U	.100 U
SW-061	08/03/89	.0500 U V	.0250 U R	.320 V	.0050 U A	.100 U V	15.50	.0985 V	.0002 U V	.100 U V
SW-061	09/11/89	Data not yet received								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-059	09/18/89	.0400 U	5U	.0050 U	.0100 U	34.80	1U	.0100 U	.100 U	.0500 U
SW-059	10/03/89	.0200 U	.819	.0020 U	.0300 U	30.60	.643	.0030 U	1U	.0100 U
SW-059	11/06/89	Data not yet received								
SW-059	12/06/89	Data not yet received								
SW-059	01/23/90	Data not yet received								
SW-059	02/09/90	Data not yet received								
SW-059	03/12/90	Data not yet received								
SW-060	07/21/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-060	11/11/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-060	07/01/88	0.040 U	5.0 U	0.005 U	0.010 U	28	0.6	0.010 U	NR	0.050 U
SW-060	03/16/89	.0400 U A	5U A	.0050 U A	.0100 U A	30.70 V	.545 V	.0100 U A	.100 U V	.0500 U V
SW-060	03/16/89	.0400 U A	5U A	.0050 U A	.0100 U A	31.30 V	.564 V	.0100 U A	.100 U V	.0500 U V
SW-060	05/15/89	.0400 U	5U	.0050 U	.0100 U	30.60	1U	.0100 U	.100 U	.0500 U
SW-060	05/15/89	.0400 U	5U	.0050 U	.0100 U	30.30	1U	.0100 U	.100 U	.0500 U
SW-060	06/09/89	.0400 U A	5U A	.0050 U A	.0100 U A	28.30 V	1U V	.0100 U A	.100 U V	.0500 U R
SW-060	07/06/89	.0400 U	5U	.0050 U	.0100 U	27	1U	.0100 U	.100 U	.0500 U
SW-060	08/03/89	.0400 U V	5U V	.0050 U A	.0100 U V	32.20 V	1U V	.0100 U A	.100 U V	.0500 U V
SW-060	09/11/89	Data not yet received								
SW-060	09/11/89	Data not yet received								
SW-060	10/03/89	.0200 U	.624	.0020 U	.0300 U	27.90	.520	.0030 U	1U	.0100 U
SW-060	11/06/89	Data not yet received								
SW-060	11/06/89	Data not yet received								
SW-060	12/06/89	Data not yet received								
SW-060	01/23/90	Data not yet received								
SW-060	02/09/90	Data not yet received								
SW-060	03/12/90	Data not yet received								
SW-061	07/22/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-061	11/11/87	Insufficient Sample or Total Metals Analysis not requested.								
SW-061	07/01/88	0.040 U	5.0 U	0.005 U	0.010 U	32	0.60	0.010 U	NR	0.050 U
SW-061	03/20/89	.0400 U R	5U A	.0050 U A	.0100 U V	44.50 V	.205 V	.0100 U R	.100 U V	.0500 U V
SW-061	05/15/89	.0400 U	5U	.0059	.0100 U	32.20	1U	.0100 U	.100 U	.0500 U
SW-061	06/09/89	.0400 U A	5U A	.0050 U A	.0100 U A	30.30 V	1U V	.0100 U A	.100 U V	.0500 U R
SW-061	07/06/89	.0400 U	5U	.0050 U	.0100 U	29	1U	.0100 U	.100 U	.0500 U
SW-061	08/03/89	.0400 U V	5U V	.0050 U A	.0100 U V	30.90 V	1U V	.0400 U V	.100 U V	.0500 U V
SW-061	09/11/89	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Zinc (Zn), total mg/l	
SW-059	09/18/89	.234	
SW-059	10/03/89	.209	
SW-059	11/06/89	Data not yet received	
SW-059	12/06/89	Data not yet received	
SW-059	01/23/90	Data not yet received	
SW-059	02/09/90	Data not yet received	
SW-059	03/12/90	Data not yet received	
SW-060	07/21/87	Insufficient Sample or Total Metals Analysis not requested.	
SW-060	11/11/87	Insufficient Sample or Total Metals Analysis not requested.	
SW-060	07/01/88	0.400	
SW-060	03/16/89	.396	V
SW-060	03/16/89	.479	V
SW-060	05/15/89	.318	
SW-060	05/15/89	.300	
SW-060	06/09/89	.556	V
SW-060	07/06/89	.550	
SW-060	08/03/89	.275	V
SW-060	09/11/89	Data not yet received	
SW-060	09/11/89	Data not yet received	
SW-060	10/03/89	.411	
SW-060	11/06/89	Data not yet received	
SW-060	11/06/89	Data not yet received	
SW-060	12/06/89	Data not yet received	
SW-060	01/23/90	Data not yet received	
SW-060	02/09/90	Data not yet received	
SW-060	03/12/90	Data not yet received	
SW-061	07/22/87	Insufficient Sample or Total Metals Analysis not requested.	
SW-061	11/11/87	Insufficient Sample or Total Metals Analysis not requested.	
SW-061	07/01/88	0.140	
SW-061	03/20/89	.305	A
SW-061	05/15/89	.0917	
SW-061	06/09/89	.267	V
SW-061	07/06/89	.207	
SW-061	08/03/89	.195	V
SW-061	09/11/89	Data not yet received	

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-061	10/03/89	.635	.500 U	.0020 U	.170	.0020 U	.0040 U	87.10	.0010 U	.0200 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	20.0	0.060 U	0.010 U	0.200 U	0.005 U	0.005 U	19	NR	0.010 U
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	24.10	.0600 U	.0100 U	2.02	.0572	.0142	152	1U	.212
SW-101	06/07/89	1.77 A	.0600 U V	.0100 U A	.200 U A	.0050 U A	.0050 U V	19.90 A	.100 U V	.0100 U V
SW-101	07/12/89	.500	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	7.73	1U	.0100 U
SW-101	08/09/89	2.85	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	11.70	.100 U	.0100 U
SW-101	09/14/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	7.94	1U	.0100 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-025	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-025	08/17/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	43.70	1U	.0100 U
SW-025	08/17/89	.200 U	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	42.70	1U	.0100 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	0.422	0.500 U	0.002 U	0.218	0.002 U	0.004 U	87.4	NR	0.047
SW-065	04/05/89	78.70 V	.0600 U A	.0100 U V	.876 V	.0251 A	.0050 U A	136 V	1U R	.0855 V
SW-065	05/26/89	.311	.0600 U	.0100 U	.200 U	.0050 U	.0050 U	47	1U	.0100 U
SW-065	06/20/89	3.77 A	.0600 U V	.0100 U A	.281 V	.0050 U V	.0050 U V	118 V	1U V	.0100 U V

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-061	10/03/89	.0200 U	.0200 U	.897	.0036	.0210	16.50	.0579	.0002 U	.500 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	0.050 U	0.025 U	15.0	0.010	NR	5.0 U	.13	0.0002 U	NR
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	.132	.293	204	.215	.145	36.70	3.68	.0024	.174
SW-101	06/07/89	.0500 U A	.0348 A	2.31 A	.0400 U V	.100 U R	5U A	.332 A	.0002 U V	.100 U V
SW-101	07/12/89	.0500 U	.0250 U	.854	.0050 U	.100 U	5U	.0290	.0002 U	.100 U
SW-101	08/09/89	.0500 U	.0250 U	5.20	.0050 U	.100 U	5U	.259	.0002 U	.100 U
SW-101	09/14/89	.0500 U	.0250 U	.357	.0050 U	.100 U	5U	.0150 U	.0002 U	.100 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-025	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-025	08/17/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	10.80	.0184	.0002 U	.100 U
SW-025	08/17/89	.0500 U	.0250 U	.100 U	.0050 U	.100 U	10.60	.0176	.0002 U	.100 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	0.020 U	0.020 U	0.313	0.004 U	NR	14.2	0.026	0.0002 U	NR
SW-065	04/05/89	.0500 U V	.0702 V	70.90 V	.0437 V	.0592 V	28.70 V	1.37 V	.0004 A	.0593 V
SW-065	05/26/89	.0500 U	.0250 U	.516	.0085	.0103	7.61	.0284	.0003	.0130
SW-065	06/20/89	.0500 U R	.0250 U V	3.01 V	.0050 U A	.100 U V	16.10 V	.230 V	.0002 U V	.100 U V

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-061	10/03/89	.0200 U	1.27	.0020 U	.0300 U	30.60	.520	.0030 U	1U	.0100 U
SW-061	10/20/89	DRY								
SW-061	11/06/89	Data not yet received								
SW-061	12/06/89	Data not yet received								
SW-061	01/23/90	Data not yet received								
SW-061	02/09/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-061	03/12/90	Data not yet received								
SW-101	06/30/88	0.040 U	5.0 U	0.005 U	0.010 U	6	0.200 U	0.010 U	NR	0.050
SW-101	04/13/89	Data not yet received								
SW-101	05/11/89	.246	21.50	.0050 U	.0117	9.10	1U	.0100 U	.100 U	.555
SW-101	06/07/89	.0400 U A	5U A	.0050 U V	.0100 U A	5.41 V	.100 U V	.0100 U V	.100 U V	.0500 U V
SW-101	07/12/89	.0400 U	5U	.0050 U	.0100 U	5.15	1U	.0100 U	.100 U	.0500 U
SW-101	08/09/89	.0400 U	5U	.0050 U	.0100 U	5U	.100 U	.0100 U	.100 U	.0500 U
SW-101	09/14/89	.0400 U	5U	.0050 U	.0100 U	5U	1U	.0100 U	.100 U	.0500 U
SW-101	10/18/89	Data not yet received								
SW-101	11/15/89	Data not yet received								
SW-101	12/19/89	Data not yet received								
SW-101	01/25/90	Data not yet received								
SW-101	02/22/90	Data not yet received								
SW-101	03/21/90	Data not yet received								

East Trenches Area

SW-024	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-025	08/19/86	Insufficient Sample or Total Metals Analysis not requested.								
SW-025	08/17/89	.0400 U	5U	.0050 U	.0100 U	31.60	1U	.0100 U	.100 U	.0500 U
SW-025	08/17/89	.0400 U	5U	.0050 U	.0100 U	30.80	1U	.0100 U	.100 U	.0500 U
SW-025	09/21/89	Data not yet received								
SW-065	07/07/88	0.020 U	3.58	0.007	0.030 U	25.3	0.433	0.300 U	NR	0.010 U
SW-065	04/05/89	.0840 A	15.30 V	.0250 U A	.0100 U V	27.80 A	1U V	.0100 U V	.100 U V	.178 V
SW-065	05/26/89	.0400 U	15.30	.0050 U	.0100 U	31.20	1U	.0100 U	.100 U	.0500 U
SW-065	06/20/89	.0400 U R	5U A	.0050 U R	.0100 U V	23.60 V	1U V	.0100 U V	.100 U V	.0500 U A

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Zinc (Zn), total mg/l
SW-061	10/03/89	.203
SW-061	10/20/89	DRY
SW-061	11/06/89	Data not yet received
SW-061	12/06/89	Data not yet received
SW-061	01/23/90	Data not yet received
SW-061	02/09/90	Data not yet received
SW-061	03/12/90	Data not yet received
SW-061	03/12/90	Data not yet received
SW-101	06/30/88	0.100
SW-101	04/13/89	Data not yet received
SW-101	05/11/89	1.19
SW-101	06/07/89	.143 A
SW-101	07/12/89	.0200 U
SW-101	Q8/09/89	.0501
SW-101	09/14/89	.0200 U
SW-101	10/18/89	Data not yet received
SW-101	11/15/89	Data not yet received
SW-101	12/19/89	Data not yet received
SW-101	01/25/90	Data not yet received
SW-101	02/22/90	Data not yet received
SW-101	03/21/90	Data not yet received

East Trenches Area

SW-024	08/19/86	Insufficient Sample or Total Metals Analysis not requested.
SW-025	08/19/86	Insufficient Sample or Total Metals Analysis not requested.
SW-025	08/17/89	.0551
SW-025	08/17/89	.0292
SW-025	09/21/89	Data not yet received
SW-065	07/07/88	0.020 U
SW-065	04/05/89	.261 A
SW-065	05/26/89	.0482
SW-065	06/20/89	0200 U A

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb), total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd), total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-065	07/17/89	.271	.0600 U	.0100 U	.241	.0050 U	.0050 U	165	1U	.0100 U
SW-065	08/15/89	.830 A	.0600 U V	.0100 U R	.216 V	.0050 U V	.0050 U A	103 V	1U V	.0100 U V
SW-065	09/20/89	12.90	.0600 U	.0100 U	.453	.0050 U	.0050 U	125	1U	.0142
SW-065	10/12/89	.756 A	.0600 U V	.0100 U A	.246 V	.0050 U V	.0050 U V	118 V	2.50 U V	.0100 U V
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	2.61	0.500 U	0.002 U	0.239	0.002 U	0.004 U	90.7	NR	0.020 U
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	0.766	0.500 U	0.002 U	0.174	0.002 U	0.004 U	99.0	NR	0.020 U
SW-103	03/23/89	169 V	.0600 U R	.0448 A	4.23 V	.0214 R	.0241 V	903 E	1.11 V	.172 R
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	2.11 V	.0600 U A	.0311 A	.831 V	.0050 U R	.0050 U A	279 V	1U V	.0370 A
SW-103	07/13/89	14.30	.0600 U	.0103	.441	.0050 U	.0050 U	208	1U	.0100 U
SW-103	08/02/89	25.60 V	.0600 U V	.0149 V	.718 V	.0050 U V	.0050 U V	258 V	1U V	.0217 A
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	2.60	.500 U	.0020 U	.215	.0020 U	.0040 U	109	.0010 U	.0200 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb), total mg/l	Lithium (Li), total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-065	07/17/89	.0500 U	.0250 U	.161	.0050 U	.100 U	17.30	.0150 U	.0002 U	.100 U
SW-065	08/15/89	.0500 U V	.0250 U A	.662 V	.0030 U A	.100 U V	14.80 V	.0257 V	.0002 U V	.100 U V
SW-065	09/20/89	.0500 U	.0250 U	11	.0116	.100 U	18.50	.835	.0002 U	.100 U
SW-065	10/12/89	.0500 U V	.0250 U V	.634 V	.0030 U A	.100 U V	16.90 V	.0486 A	.0002 U V	.100 U V
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	0.020 U	0.020 U	2.96	0.013	NR	14.0	0.075	0.0002 U	NR
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	0.020 U	0.020 U	0.691	0.005	NR	11.0	0.019	0.0002 U	NR
SW-103	03/23/89	.224 A	.213 R	142 R	.656 A	.116 A	56.80 V	10.70 A	NR	.114 A
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	.0500 U V	.0655 V	40.70 V	.116 A	.100 U A	5U V	3.18 A	.0009 A	.100 U A
SW-103	07/13/89	.0500 U	.0386	19.70	.0249	.100 U	15.70	.641	.0002 U	.100 U
SW-103	08/02/89	.0500 U V	.0476 A	32.10 R	.108 A	.100 U V	18.50 V	1.59 V	.0002 U V	.100 U V
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	.0200 U	.0200 U	2.88	.0071	.0180	11.90	.185	.0002 U	.500 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

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Operable Unit No. 2

Total Metals Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K), total mg/l	Selenium (Se), total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-065	07/17/89	.0400 U	5U	.0050 U	.0100 U	24	1U	.0100 U	.100 U	.0500 U
SW-065	08/15/89	.0400 U V	5U V	.0050 U V	.0100 U A	23.10	1U V	.100 U R	.100 U V	.0500 U R
SW-065	09/20/89	.0400 U	5U	.0050 U	.0100 U	25	1U	.0100 U	.100 U	.0500 U
SW-065	10/12/89	.0400 U V	5U R	.0050 U A	.0100 U V	24.80 V	.548 A	.0100 U A	.100 U V	.0500 U V
SW-065	11/07/89	Data not yet received								
SW-065	12/07/89	Data not yet received								
SW-065	01/18/90	Data not yet received								
SW-065	02/23/90	Data not yet received								
SW-102	07/08/88	0.020 U	15.0	0.005 U	0.030 U	69.5	0.466	0.300 U	NR	0.010
SW-102	04/11/89	DRY								
SW-102	05/08/89	DRY								
SW-102	06/06/89	DRY								
SW-102	07/11/89	DRY								
SW-102	08/08/89	DRY								
SW-102	09/12/89	Data not yet received								
SW-102	10/04/89	DRY								
SW-102	10/16/89	DRY								
SW-102	11/14/89	DRY								
SW-102	12/18/89	DRY								
SW-102	01/26/90	DRY								
SW-102	02/22/90	DRY								
SW-102	03/20/90	Data not yet received								
SW-103	07/11/88	0.020 U	0.928	0.005 U	0.030 U	11.3	0.389	0.300 U	NR	0.010 U
SW-103	03/23/89	.273 A	32.70 A	.0250 U A	.0100 U R	20.60 A	2.27 A	.0100 U A	.100 U R	.445 R
SW-103	05/25/89	Data not yet received								
SW-103	06/15/89	.0400 U A	5U A	.0050 U A	.0100 U R	5U A	1U A	.0400 U A	.100 U A	.113 A
SW-103	07/13/89	.0400 U	5U	.0050 U	.0100 U	16.30	1U	.0100 U	.100 U	.0504
SW-103	08/02/89	.0400 U V	5.52 A	.0050 U A	.0100 U R	14.80 V	1U V	.0100 U A	.100 U V	.0906 A
SW-103	09/07/89	Data not yet received								
SW-103	10/03/89	.0200 U	1.03	.0020 U	.0300 U	12.70	.431	.0030 U	1U	.0100 U
SW-103	11/03/89	Data not yet received								
SW-103	12/06/89	Data not yet received								
SW-103	01/18/90	Data not yet received								
SW-103	02/12/90	Data not yet received								
SW-103	03/22/90	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Metals Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Zinc (Zn), total mg/l
SW-065	07/17/89	.0200 U
SW-065	08/15/89	.0200 U R
SW-065	09/20/89	.0938
SW-065	10/12/89	.0635 A
SW-065	11/07/89	Data not yet received
SW-065	12/07/89	Data not yet received
SW-065	01/18/90	Data not yet received
SW-065	02/23/90	Data not yet received
SW-102	07/08/88	0.313
SW-102	04/11/89	DRY
SW-102	05/08/89	DRY
SW-102	06/06/89	DRY
SW-102	07/11/89	DRY
SW-102	08/08/89	DRY
SW-102	09/12/89	Data not yet received
SW-102	10/04/89	DRY
SW-102	10/16/89	DRY
SW-102	11/14/89	DRY
SW-102	12/18/89	DRY
SW-102	01/26/90	DRY
SW-102	02/22/90	DRY
SW-102	03/20/90	Data not yet received
SW-103	07/11/88	0.020 U
SW-103	03/23/89	.772 A
SW-103	05/25/89	Data not yet received
SW-103	06/15/89	.324 A
SW-103	07/13/89	.161
SW-103	08/02/89	.251 A
SW-103	09/07/89	Data not yet received
SW-103	10/03/89	.0200
SW-103	11/03/89	Data not yet received
SW-103	12/06/89	Data not yet received
SW-103	01/18/90	Data not yet received
SW-103	02/12/90	Data not yet received
SW-103	03/22/90	Data not yet received

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APPENDIX C-4

OTHER INORGANIC COMPOUNDS

SURFACE WATER SAMPLING RESULTS

Operable Unit No. 2

Inorganic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
SW026	07/06/88	DRY						
SW026	03/21/89	0.08	41	22	190	81	8.2	0.0025 U
SW026	05/12/89	0.05 U V	29 A	48 V	380 A	210 V	8.4	0.0025 U
SW026	06/15/89	0.08	41 V	34 V	310 A	200 V	7.8	0.0025 U
SW026	06/15/89	0.07 V	24 V	37 V	320 A	240 V	8.2	0.0025 U V
SW026	07/17/89	DRY						
SW026	08/11/89	DRY						
SW026	09/15/89	0.48	45	76	390	230	8.0	0.0025 U
SW026	10/05/89	Data not yet received						
SW026	10/06/89	Data not yet received						
SW026	10/11/89	0.05 U V	46 V	70 V	390 A	260 V	8.2	NR
SW026	10/17/89	Data not yet received						
SW026	10/23/89	Data not yet received						
SW026	11/08/89	3500	530	720	21,000	260	7.2	NR
SW026	12/12/89	0.17	26	47	280	228	7.9	NR
SW026	01/18/90	Data not yet received						
SW026	02/21/90	Data not yet received						
SW026	03/26/90	Data not yet received						
SW026	03/26/90	Data not yet received						
SW027	08/21/86	5.0 U	47	83	700	NR	NR	0.005 U
SW027	07/22/87	3.2	34.0	69.3	426	237	NR	1.0 U
SW027	07/07/88	1.4	9.5	12	434	270	7.48	NR
SW027	03/21/89	2.4	41	60	360	200	7.8	0.0025 U
SW027	05/18/89	1.8	34	66	340	200	7.6	0.0027 U V
SW027	06/22/89	2.0 V	48 V	80 V	390 V	260 V	7.8	0.0049
SW027	07/17/89	2.0 V	46 V	85 V	400 A	270 V	7.7	0.0100 U
SW027	08/11/89	3.8	41	85	400	210	7.8	NR
SW027	09/15/89	7.3	38 A	60 V	320 A	120 V	7.8	0.0025 U
SW027	10/11/89	7.4 V	40 V	80 V	340 A	150 V	7.6	NR
SW027	11/08/89	5.7 V	48 V	68 A	410 A	230 A	7.7	NR
SW027	12/15/89	5.0	48	89	490	288	7.7	NR
SW027	01/29/90	Data not yet received						
SW027	02/12/90	Data not yet received						
SW028	08/21/86	5.0 U	39	89	370	NR	NR	0.005 U
SW028	07/22/87	0.20 U	35.0	60.0	402	237	NR	1.0 U
SW028	07/06/88	0.1 U	44	51	317	203	7.53	NR

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Operable Unit No. 2

Inorganic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
SW028	07/06/88	0.1 U	44	50	323	199	7.51	NR
SW028	03/28/89	0.06	47	19	150	68	7.9	0.0100 U
SW028	05/23/89	0.05 U	35	42	290	220	8.0	NR
SW028	06/22/89	0.05 U V	34 V	22 V	320 V	260 V	7.9	0.0028
SW028	07/19/89	DRY						
SW028	08/15/89	DRY						
SW028	09/15/89	0.05 U V	43 A	73 V	380 A	120 V	7.7	0.0025 U
SW028	10/12/89	0.05 U V	14 V	53 A	360 A	210 A	7.6	0.0025 U
SW028	11/08/89	0.05 U V	26 V	35 A	280 A	210 A	8.0	NR
SW028	12/15/89	0.06	21	33	260	216	7.9	NR
SW028	01/18/90	Data not yet received						
SW028	02/23/90	Data not yet received						
SW029	08/20/86	DRY						
SW029	05/26/87	0. 20 U	11.9	8.0	232	160	NR	1.0 U
SW029	11/10/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
SW029	06/23/88	0.10 U	17.7	11.5	188	104	8.2	NR
SW029	03/28/89	0.09	47	18	140	62	7.7	0.0100 U
SW029	05/24/89	0.05 U	24	31	280	200	7.9	NR
SW029	06/22/89	0.05 U V	20 V	28 V	230 V	220 V	8.1	0.0025 U
SW029	07/20/89	DRY						
SW029	08/11/89	DRY						
SW029	09/25/89	0.05 U V	30 V	45 V	310 A	200 V	7.8	0.0025 U
SW029	09/25/89	0.05 U V	30 V	37 V	300 A	220 V	8.0	0.0025 U
SW029	10/20/89	0.05 U A	22 V	31 A	380 A	210 A	7.8	NR
SW029	11/09/89	0.05 U	18	32	240	190	8.1	NR
SW029	12/08/89	0.05 U	16	27	210	180	7.9	NR
SW029	01/16/90	0.10	19	33	210	168	7.8	NR
SW029	02/08/90	Data not yet received						
SW030	08/20/86	DRY						
SW030	05/26/87	1.29	33.8	68.0	310	165	NR	1.0 U
SW030	07/29/87	0.20	49.9	60.0	192	142	NR	1.0 U
SW030	11/10/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
SW030	06/29/88	0.1 U	38	40	286	434	7.92	NR
SW030	06/29/88	.2	38	39	280	160	7.98	NR
SW030	03/28/89	0.55	43	53	280	200	8.3	0.0100 U
SW030	05/16/89	1.3	28	29	180	130	8.1	0.0025 U

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Operable Unit No. 2

Inorganic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		pH pH Unit	Total Cyanide MG/L	
SW030	06/22/89	0.98	V	52	V	53	V	300	V	150	V	8.7	0.0025	U
SW030	07/20/89	DRY												
SW030	08/21/89	0.05	U	64		44		320		150		7.9	0.0100	U
SW030	08/21/89	0.05	U	62		44		300		150		8.2	0.0100	U
SW030	09/25/89	3.0	V	64	V	54	V	330	A	150	V	8.4	0.0025	U
SW030	10/20/89	1.7	A	26	V	28	A	240	A	140	A	8.1	NR	
SW030	11/09/89	DRY												
SW030	12/01/89	DRY												
SW030	01/05/90	DRY												
SW030	02/02/90	DRY												
SW030	03/15/90	Data not yet received												
SW050	/ /	DRY												
SW050	07/21/87	4.15		59.0		21.1		510		261		NR	1.0	U
SW050	06/27/88	0.49		43.5		14.2		454		280		7.4	NR	
SW050	06/27/88	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
SW050	04/17/89	DRY												
SW050	05/10/89	DRY												
SW050	06/27/89	0.07	V	22	A	24	V	380	V	360	V	7.3	0.0100	U
SW050	07/18/89	0.22		27		14		390		480		7.3	0.0100	U
SW050	08/11/89	DRY												
SW050	09/12/89	DRY												
SW050	10/04/89	DRY												
SW050	11/03/89	DRY												
SW050	12/01/89	DRY												
SW050	01/05/90	DRY												
SW050	02/02/90	DRY												
SW050	03/17/90	DRY												
SW051	07/21/87	4.90		16.9		61.0		332		436		NR	1.0	U
SW051	06/23/88	DRY												
SW051	04/17/89	DRY												
SW051	05/10/89	DRY												
SW051	06/27/89	1.8	V	32	A	24	V	360	V	290	V	7.9	0.0100	U
SW051	07/18/89	DRY												
SW051	08/11/89	DRY												
SW051	09/12/89	DRY												
SW051	10/04/89	DRY												

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Operable Unit No. 2

Inorganic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
SW051	11/03/89	DRY						
SW051	12/01/89	DRY						
SW051	01/05/90	DRY						
SW051	02/02/90	DRY						
SW052	07/21/87	0.20 U	25.5	73.3	461	297	NR	1.0 U
SW052	06/23/88	0.72	24.0	87.9	462	266	7.3	NR
SW052	04/17/89	DRY						
SW052	05/10/89	DRY						
SW052	06/09/89	DRY						
SW052	07/07/89	DRY						
SW052	08/11/89	DRY						
SW052	09/28/89	DRY						
SW052	10/04/89	DRY						
SW052	11/03/89	DRY						
SW052	12/01/89	DRY						
SW052	01/05/90	DRY						
SW052	02/02/90	DRY						
SW052	03/17/90	DRY						
SW053	07/21/87	0.20 U	71.5	20.3	666	483	NR	1.0 U
SW053	06/23/88	0.10 U	30.6	12.3	521	434	7.1	NR
SW053	06/23/88	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
SW053	04/05/89	0.17 V	57 V	31 V	460 A	460 V	7.4	0.0100 U
SW053	05/23/89	0.05 U	66	5 U	520	430	7.2	0.0025 U
SW053	06/26/89	0.07 V	41 V	6 V	490 V	710 V	7.1	0.0100 U
SW053	07/19/89	DRY						
SW053	08/15/89	0.05 U V	57 V	33 A	570 A	470 V	7.2	0.0100 U
SW053	09/20/89	0.05 U A	170 V	49 V	580 A	440 V	7.0	0.0025 U
SW053	10/12/89	0.05 U V	61 V	27 A	510 A	480 A	7.1	0.0025 U
SW053	11/07/89	0.05 U V	68 V	49 A	520 A	370 V	7.2	NR
SW053	12/15/89	0.05 U	61	43	500	456	7.1	NR
SW053	01/17/90	Data not yet received						
SW053	02/13/90	Data not yet received						
SW054	/ /	DRY						
SW054	07/05/88	0.5 U	32.9	26.1	273	124	6.94	NR
SW054	03/21/89	1.6	39	46	290	150	8.2	0.0025 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Inorganic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
SW054	05/18/89	0.07	33	41	230	140	7.4	0.0025 U V
SW054	06/22/89	0.05 U V	49 V	15 V	380 V	350 V	5.8	0.0025 U
SW054	07/19/89	0.65	49	89	380	180	7.4	0.0100 U
SW054	08/15/89	0.05 U V	18 V	20 A	200 A	160 V	7.4	0.0100 U
SW054	09/21/89	1.6	38	32	270	140	7.5	0.0026
SW054	10/12/89	0.05 U V	150 V	42 A	360 A	160 A	7.4	0.0025 U
SW054	11/03/89	6.5	35	51	490	710	7.4	0.0358
SW054	12/12/89	1.8	84	52	430	240	7.5	NR
SW054	12/12/89	2.1	83	56	430	228	7.4	NR
SW054	01/18/90	Data not yet received						
SW054	02/12/90	Data not yet received						
SW055	07/21/87	0.24	34.0	37.2	452	326	NR	1.0 U
SW055	07/21/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
SW055	06/22/88	0.18	50.5	89.4	700	454	7.0	NR
SW055	04/17/89	3.5	24	52	480	380	7.4	0.0072 V
SW055	05/25/89	2.3	35	92	650	570	7.4	NR
SW055	06/28/89	2.0 V	42 A	55 V	490 V	420 V	7.3	0.01 U
SW055	07/18/89	2.4	48	120	680	600	7.5	0.0100 U
SW055	08/16/89	5.6 V	56 V	81 V	690 A	520 V	7.2	0.0104
SW055	09/20/89	5.2 A	120 V	81 V	790 A	510 V	7.2	0.0094
SW055	10/19/89	5.6 V	55 V	79 V	680 A	500 A	7.3	NR
SW055	11/09/89	5.7	63	88	650	530	7.3	NR
SW055	12/07/89	4.5	63	100	710	564	7.5	NR
SW055	01/16/90	2.5	41	54	420	360	7.1	NR
SW055	02/23/90	Data not yet received						
SW055	03/15/90	Data not yet received						
SW057	07/21/87	1.16	24.0	1.0 U	522	436	NR	1.0 U
SW057	06/23/88	DRY						
SW057	04/17/89	DRY						
SW057	05/10/89	DRY						
SW057	06/09/89	DRY						
SW057	07/07/89	DRY						
SW057	08/11/89	DRY						
SW057	09/16/89	DRY						
SW057	10/04/89	DRY						
SW057	11/03/89	DRY						

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Inorganic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
SW057	12/01/89	DRY						
SW057	01/05/90	DRY						
SW057	02/02/90	DRY						
SW057	03/17/90	DRY						
SW058	07/21/87	1.42	32.0	22.0	375	270	NR	1.0 U
SW058	06/23/88	0.33	45.9	25.1	452	308	7.3	NR
SW058	04/17/89	DRY						
SW058	05/10/89	DRY						
SW058	06/28/89	0.60	30	30	440	310	7.8	0.01 U V
SW058	07/14/89	DRY						
SW058	08/11/89	DRY						
SW058	09/20/89	DRY						
SW058	10/04/89	DRY						
SW058	11/20/89	DRY						
SW058	12/01/89	DRY						
SW058	01/05/90	DRY						
SW058	02/02/90	DRY						
SW062	07/22/87	0.20 U	44.0	132	625	346	NR	1.0 U
SW062	07/05/88	0.5 U	39.7	53.1	359	210	7.12	NR
SW062	03/28/89	0.06	47	21	150	68	7.8	0.0100 U
SW062	05/23/89	0.05 U	35	43	820	220	7.8	0.0025 U
SW062	06/22/89	0.05 U V	31 V	47 V	340 V	270 V	7.8	0.0025 U
SW062	07/19/89	0.05 U	64	150	690	540	7.6	0.0100 U
SW062	08/15/89	0.05 U V	73 V	270 A	730 A	270 V	7.4	0.0110 U
SW062	09/15/89	0.05 U V	42 A	75 V	390 A	230 V	7.8	0.0025 U
SW062	10/12/89	0.05 U V	20 V	56 A	380 A	270 A	7.6	0.0025 U
SW062	11/08/89	0.05 U V	33 V	34 A	300 A	220 A	7.9	NR
SW062	12/13/89	0.06	21	35	270	204	7.9	NR
SW062	01/18/90	Data not yet received						
SW062	02/20/90	Data not yet received						
SW063	07/24/87	0.20 U	50.5	197	675	361	NR	1.0 U
SW063	07/06/88	0.1 U	51	228	651	384	7.35	NR
SW063	03/28/89	DRY						
SW063	05/12/89	DRY						
SW063	06/21/89	DRY						

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Operable Unit No. 2

Inorganic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L			Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		pH pH Unit	Total Cyanide MG/L	
SW063	07/19/89			DRY											
SW063	08/11/89			DRY											
SW063	09/15/89			DRY											
SW063	10/04/89			DRY											
SW063	11/03/89			DRY											
SW063	12/01/89			DRY											
SW063	01/05/90			DRY											
SW063	02/02/90			DRY											
SW064	07/22/87	0.20	U		46.5		83.0		716		404		NR	1.0	U
SW064	07/07/88	0.2			0.5	U	4.0	U	680		441		7.73	NR	
SW064	03/30/89			DRY											
SW064	05/22/89	0.05	U	V	64	V	130	V	660	A	510	V	7.7	0.0025	U
SW064	06/27/89	0.17		V	58	A	110	V	720	V	580	V	7.8	0.0100	U V
SW064	07/19/89			DRY											
SW064	08/11/89			DRY											
SW064	09/20/89			DRY											
SW064	10/04/89			DRY											
SW064	11/09/89			DRY											
SW064	12/01/89			DRY											
SW064	01/05/90			DRY											
SW064	02/02/90			DRY											
SW070	06/29/88	0.4			37		43		310		160		8.15	NR	
SW070	03/29/89	1.8			59		50		360		220		8.0	0.0100	U
SW070	05/16/89	1.1	U		NR		NR		NR		NR		9.7	NR	
SW070	06/23/89	1.6			62		58		340		180		8.2	0.0063	
SW070	07/20/89	0.05	U		59		46		320		150		8.0	0.0100	U
SW070	08/14/89	1.1		V	42	V	40	V	320	A	200	V	7.9	NR	
SW070	08/14/89	1.0		V	43	V	38	V	300	A	170	V	8.2	NR	
SW070	09/26/89	2.4		V	65	V	59	V	420	A	210	V	8.2	NR	
SW070	10/23/89	2.0		V	48	V	51	V	360	A	210	A	8.0	NR	
SW070	10/23/89	1.9		V	48	V	51	V	320	A	210	A	8.2	NR	
SW070	11/16/89	3.8			66		61		570		270		7.9	NR	
SW070	12/13/89	2.4			71		47		340		252		7.4	NR	
SW070	01/11/90	2.2			40		38		270		180		7.9	NR	
SW070	02/07/90	Data not yet received													
SW070	03/15/90	Data not yet received													

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Operable Unit No. 2

Inorganic Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
SW077	06/22/88	0.10 U	55.7	64.7	574	338	7.1	NR
SW077	03/30/89	DRY						
SW077	05/11/89	DRY						
SW077	06/27/89	24 V	38 A	91 V	630 V	350 V	7.4	0.0100 U V
SW077	07/18/89	DRY						
SW077	08/16/89	0.06 V	33 V	100 V	450 A	220 V	7.5	0.0100 U
SW077	09/20/89	DRY						
SW077	10/04/89	DRY						
SW077	11/09/89	DRY						
SW077	12/01/89	DRY						
SW077	01/05/90	DRY						
SW077	02/02/90	DRY						
SW077	03/16/90	Data not yet received						

Mound Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	pH pH Unit	Total Cyanide MG/L
SW021	08/19/86	5.0	47	50	420	NR	NR	0.005 U
SW022	/ /	DRY						
SW023	08/19/86	7.5	27	50	290	NR	NR	0.005 U
SW059	07/21/87	3.80	39.0	24.5	524	335	NR	1.0 U
SW059	07/01/88	5	51	53	499	324	7.63	NR
SW059	03/20/89	4.4	44	58	580	500	7.2	0.0025 U
SW059	05/11/89	2.7	27	51	510	460	7.3	0.0025 U
SW059	06/08/89	4.1 V	53 V	52 A	440 V	340 V	7.6	0.0025 U
SW059	07/06/89	4.2 V	48 V	55 V	520 A	500 V	7.7	0.0100 U
SW059	08/10/89	3.3	46	49	510	380	7.4	NR
SW059	09/18/89	4.3 V	39 V	60 A	510 A	410 V	7.3	0.0025 U
SW059	10/03/89	3.9 V	51 V	45 V	210 A	400 V	7.3	NR
SW059	11/06/89	4.2 V	44 V	46 V	460 A	370 A	7.6	NR
SW059	12/06/89	4.2	50	46	480	384	7.4	NR
SW059	01/23/90	Data not yet received						
SW059	02/09/90	Data not yet received						
SW059	03/12/90	Data not yet received						

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Operable Unit No. 2

Inorganic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		pH pH Unit	Total Cyanide MG/L		
SW060	07/21/87	4.5		44.0		45.0		482		290		NR	1.0	U	
SW060	11/11/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS													
SW060	07/01/88	4.77		54		52		459		300		7.86	NR		
SW060	03/16/89	4.6	A	52	A	42	A	400	A	310	V	8.3	0.0025	U	V
SW060	03/16/89	4.7		55		40		410		310		8.3	0.0025	U	
SW060	05/15/89	3.6		40		38		320		240		8.3	0.0025	U	
SW060	05/15/89	3.8		40		40		320		240		8.1	0.0025	U	
SW060	06/09/89	3.9		42		41		380		290		8.2	0.0051		
SW060	07/06/89	4.7	V	50	V	49	V	470	A	320	V	8.2	0.0100	U	
SW060	08/03/89	3.9	V	43	V	47	A	3300	A	300	V	8.3	0.0100	U	
SW060	09/11/89	2.4	A	13	V	31	V	120	A	130	V	7.7	NR		
SW060	09/11/89	2.3	A	12	V	16	V	150	A	130	V	8.0	NR		
SW060	10/03/89	4.3	V	52	V	43	V	420	A	330	V	8.3	NR		
SW060	11/06/89	4.5	V	44	V	47	V	440	A	330	A	8.4	NR		
SW060	11/06/89	4.2	V	45	V	43	V	440	A	340	A	8.4	NR		
SW060	12/06/89	4.9		50		47		420		312		8.0	NR		
SW060	01/23/90	Data not yet received													
SW060	02/09/90	Data not yet received													
SW060	03/12/90	Data not yet received													
SW061	07/22/87	0.25		12.0		31.1		156		83.3		NR	1.0	U	
SW061	11/11/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS													
SW061	07/01/88	4.6		50		51.4		441		235		7.20	NR		
SW061	03/20/89	1.5		81		26		26		110		7.5	0.0025	U	
SW061	05/15/89	4.1		33		46		300		210		8.0	0.0080		
SW061	06/09/89	4.1		39		50		370		270		8.1	0.0038		
SW061	07/06/89	5.6	V	43	V	51	V	420	A	310	V	8.2	0.0100	U	
SW061	08/03/89	3.3	V	36	V	56	V	400	A	300	V	8.0	0.0100	U	
SW061	09/11/89	4.0	A	19	V	30	V	250	A	190	V	8.1	NR		
SW061	10/03/89	3.8	V	41	V	50	V	430	A	280	V	7.2	NR		
SW061	10/20/89	DRY													
SW061	11/06/89	3.8	V	40	V	47	V	400	A	320	A	8.2	NR		
SW061	12/06/89	3.6		36		50		380		300		7.8	NR		
SW061	01/23/90	Data not yet received													
SW061	02/09/90	Data not yet received													
SW061	03/12/90	Data not yet received													
SW061	03/12/90	Data not yet received													

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Operable Unit No. 2

Inorganic Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L			Chloride MG/L			Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		pH pH Unit	Total Cyanide MG/L	
SW101	06/30/88	0.1	U		3.5			29		486		350		7.88	NR	
SW101	04/13/89	0.05	U		3	U		16		180		47		8.1	NR	
SW101	05/11/89	0.11			3	U		24		170		72		7.0	0.0025	U
SW101	06/07/89	0.07			4			19		72		33		7.3	0.0025	U
SW101	07/12/89	0.05	U	V	4		V	22	V	82	V	18	V	7.5	0.0100	U
SW101	08/09/89	0.05	U	V	3	U	V	18	V	74	A	25	V	7.0	NR	
SW101	09/14/89	0.05	U	V	20		A	16	V	90	A	22	V	7.5	0.0025	U
SW101	10/18/89	0.05	U	V	3		V	20	V	620	A	31	A	7.2	NR	
SW101	11/15/89	0.05	U		3	U		29		58		6		6.3	NR	
SW101	12/19/89	0.05	U		3	U		17		54		32		6.9	NR	
SW101	01/25/90	Data not yet received														
SW101	02/22/90	Data not yet received														
SW101	03/21/90	Data not yet received														

East Trenches Area

SW024	08/19/86	7.0			29			44		270		NR		NR	0.005	U
SW025	08/19/86	5.0	U		29			51		260		NR		NR	0.005	U
SW025	08/17/89	0.05	U		27			49		270		190		7.8	0.0100	U
SW025	08/17/89	0.05	U		27			45		270		190		7.8	0.0100	U
SW025	09/21/89	Data not yet received														
SW065	07/07/88	0.2			1.4			4.2		397		248		7.49	NR	
SW065	04/05/89	8.8			39			64		470		300		7.8	0.0075	V
SW065	05/26/89	2.3			49			65		320		160		7.6	0.0076	
SW065	06/20/89	3.4		V	43		V	78	V	490	V	350	V	7.6	0.0056	
SW065	07/17/89	3.4		V	46		V	95	V	470	A	360	V	7.6	0.0100	U
SW065	08/15/89	3.2		V	41		V	77	A	440	A	290	V	7.7	0.0100	U
SW065	09/20/89	4.5		A	42		V	75	V	250	A	330	V	7.3	0.0025	U
SW065	10/12/89	6.2		V	41		V	76	A	500	A	330	A	7.5	0.0028	
SW065	11/07/89	12		V	42		V	68	A	300	A	47	V	7.2	NR	
SW065	12/07/89	4.8			45			72		490		336		7.7	NR	
SW065	01/18/90	Data not yet received														
SW065	02/23/90	Data not yet received														
SW102	07/08/88	15.5			61.3			132		619		214		7.5	NR	

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Operable Unit No. 2

Inorganic Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		pH pH Unit	Total Cyanide MG/L	
SW102	04/11/89	DRY												
SW102	05/08/89	DRY												
SW102	06/06/89	DRY												
SW102	07/11/89	DRY												
SW102	08/08/89	DRY												
SW102	09/12/89	9.2	A	22	V	110	V	290	A	120	V	7.7	NR	
SW102	10/04/89	DRY												
SW102	10/16/89	DRY												
SW102	11/14/89	DRY												
SW102	12/18/89	DRY												
SW102	01/26/90	DRY												
SW102	02/22/90	DRY												
SW102	03/20/90	Data not yet received												
SW103	07/11/88	5		40		59		247		251		7.42	NR	
SW103	03/23/89	6.5		35		51		490		710		7.4	0.0358	
SW103	05/25/89	3.9		41		68		420		380		7.3	NR	
SW103	06/15/89	5.2	V	48	V	58	V	470	A	380	V	7.4	0.0216	V
SW103	07/13/89	6.5	V	31	V	61	V	430	V	380	V	7.4	0.0100	U
SW103	08/02/89	7.3	V	40	A	61	A	470	V	290	V	7.1	0.0100	U
SW103	09/07/89	5.1	V	39	A	53	V	440	A	300	V	7.4	NR	
SW103	10/03/89	4.9	V	44	V	52	V	210	A	330	V	7.4	NR	
SW103	11/03/89	5.0		40		56		430		280		7.7	NR	
SW103	12/06/89	5.1		37		60		450		312		7.7	NR	
SW103	01/18/90	Data not yet received												
SW103	02/12/90	Data not yet received												
SW103	03/22/90	Data not yet received												

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX C-5

DISSOLVED RADIONUCLIDES

SURFACE WATER SAMPLING RESULTS

Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW026	07/06/88		DRY										
SW026	03/21/89	1 ± 3		2 ± 3		0.2 ± 0.1		0.0 ± 0.1		0.1 ± 0.1		-0.3 ± 0.5	
SW026	05/12/89		***										
SW026	06/15/89		***										
SW026	06/15/89		***										
SW026	07/17/89		DRY										
SW026	08/11/89		DRY										
SW026	09/15/89		***										
SW026	10/05/89		***										
SW026	10/06/89		***										
SW026	10/11/89		***										
SW026	10/17/89		***										
SW026	10/23/89		***										
SW026	11/08/89		***										
SW026	12/12/89		***										
SW026	01/18/90		***										
SW026	02/21/90		***										
SW026	03/26/90		***										
SW026	03/26/90		***										
SW027	08/21/86		***										
SW027	07/22/87		***										
SW027	07/07/88	15.0 ± 5.09	5	29.1 ± 6.34	8	4.86 ± 0.890	0.09	NR		6.18 ± 0.993	0.06	NR	
SW027	03/21/89	13 ± 7		7 ± 3		2.2 ± 0.4		0.1 ± 0.1		3.3 ± 0.5		-0.1 ± 0.5	
SW027	05/18/89		***										
SW027	06/22/89		***										
SW027	07/17/89		***										
SW027	08/11/89		***										
SW027	09/15/89		***										
SW027	10/11/89		***										
SW027	11/08/89		***										
SW027	12/15/89		***										
SW027	01/29/90		***										
SW027	02/12/90		***										
SW028	08/21/86		***										
SW028	07/22/87		***										
SW028	07/06/88	0.00 ± 2.66	5	9.02 ± 4.79	7	1.22 ± 0.306	0.06	NR		1.01 ± 0.274	0.04	NR	

VALUE QUALIFIERS: NR = Analyte not requested or analyte data not yet received
*** = Insufficient Sample or Radiochemistry Analyses not requested.
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW026	07/06/88		DRY										
SW026	03/21/89	0.01 ± 0.01		0.00 ± 0.02		0.0 ± 0.8		NR		NR		NR	
SW026	05/12/89		***										
SW026	06/15/89		***										
SW026	06/15/89		***										
SW026	07/17/89		DRY										
SW026	08/11/89		DRY										
SW026	09/15/89		***										
SW026	10/05/89		***										
SW026	10/06/89		***										
SW026	10/11/89		***										
SW026	10/17/89		***										
SW026	10/23/89		***										
SW026	11/08/89		***										
SW026	12/12/89		***										
SW026	01/18/90		***										
SW026	02/21/90		***										
SW026	03/26/90		***										
SW026	03/26/90		***										
SW027	08/21/86		***										
SW027	07/22/87		***										
SW027	07/07/88	0.00 ± 0.0390	0.09	NR		NR		NR		NR		NR	
SW027	03/21/89	0.01 ± 0.01		0.00 ± 0.02		1.4 ± 0.9		NR		0.2 ± 0.2		NR	
SW027	05/18/89		***										
SW027	06/22/89		***										
SW027	07/17/89		***										
SW027	08/11/89		***										
SW027	09/15/89		***										
SW027	10/11/89		***										
SW027	11/08/89		***										
SW027	12/15/89		***										
SW027	01/29/90		***										
SW027	02/12/90		***										
SW028	08/21/86		***										
SW028	07/22/87		***										
SW028	07/06/88	0.00 ± 0.0553	0.07	NR		NR		NR		NR		NR	

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW028	07/06/88	5.29 ± 3.65	5	10.9 ± 4.92	7	0.962 ± 0.573	0.2	NR		1.35 ± 0.611	0.1	NR	
SW028	03/28/89	1 ± 3		1 ± 2		0.2 ± 0.1		0.0 ± 0.1		0.0 ± 0.1		0.0 ± 0.4	
SW028	05/23/89		***										
SW028	06/22/89		***										
SW028	07/19/89		DRY										
SW028	08/15/89		DRY										
SW028	09/15/89		***										
SW028	10/12/89		***										
SW028	11/08/89		***										
SW028	12/15/89		***										
SW028	01/18/90		***										
SW028	02/23/90		***										
SW029	08/20/86		DRY										
SW029	05/26/87		***										
SW029	11/10/87		***										
SW029	06/23/88	3.41 ± 3.36	5	0.610 ± 4.67	8	1.46 ± 0.172	0.09	NR		1.94 ± 0.205	0.1	NR	
SW029	03/28/89	1 ± 3		1 ± 2		0.1 ± 0.1		0.0 ± 0.1		0.1 ± 0.1		-0.1 ± 0.5	
SW029	05/24/89		***										
SW029	06/22/89		***										
SW029	07/20/89		DRY										
SW029	08/11/89		DRY										
SW029	09/25/89		***										
SW029	09/25/89		***										
SW029	10/20/89		***										
SW029	11/09/89		***										
SW029	12/08/89		***										
SW029	01/16/90		***										
SW029	02/08/90		***										
SW030	08/20/86		DRY										
SW030	05/26/87		***										
SW030	07/29/87		***										
SW030	11/10/87		***										
SW030	06/29/88	7.45 ± 4.52	6	10.1 ± 5.22	8	1.69 ± 0.335	0.1	NR		2.99 ± 0.450	0.2	NR	
SW030	06/29/88	14.0 ± 5.36	6	16.6 ± 5.58	8	1.65 ± 0.284	0.09	NR		2.27 ± 0.339	0.1	NR	
SW030	03/28/89	10 ± 6		6 ± 3		3.2 ± 0.4		0.3 ± 0.1		5.1 ± 0.5		-0.4 ± 0.4	
SW030	05/16/89		***										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW028	07/06/88	0.00 ± 0.0670	0.09	NR		NR		NR		NR		NR	
SW028	03/28/89	0.02 ± 0.01		0.00 ± 0.01		-0.4 ± 0.6		NR		NR		NR	
SW028	05/23/89		***										
SW028	06/22/89		***										
SW028	07/19/89		DRY										
SW028	08/15/89		DRY										
SW028	09/15/89		***										
SW028	10/12/89		***										
SW028	11/08/89		***										
SW028	12/15/89		***										
SW028	01/18/90		***										
SW028	02/23/90		***										
SW029	08/20/86		DRY										
SW029	05/26/87		***										
SW029	11/10/87		***										
SW029	06/23/88	0.159 ± 0.142	0.1	NR		NR		NR		NR		NR	
SW029	03/28/89	0.01 ± 0.01		0.00 ± 0.01		-0.4 ± 0.6		NR		NR		NR	
SW029	05/24/89		***										
SW029	06/22/89		***										
SW029	07/20/89		DRY										
SW029	08/11/89		DRY										
SW029	09/25/89		***										
SW029	09/25/89		***										
SW029	10/20/89		***										
SW029	11/09/89		***										
SW029	12/08/89		***										
SW029	01/16/90		***										
SW029	02/08/90		***										
SW030	08/20/86		DRY										
SW030	05/26/87		***										
SW030	07/29/87		***										
SW030	11/10/87		***										
SW030	06/29/88	0.0441 ± 0.0585	0.07	NR		NR		NR		NR		NR	
SW030	06/29/88	0.00502 ± 0.0512	0.07	NR		NR		NR		NR		NR	
SW030	03/28/89	0.01 ± 0.02		0.00 ± 0.01		-0.3 ± 0.6		NR		0.1 ± 0.2		NR	
SW030	05/16/89		***										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW030	06/22/89		***										
SW030	07/20/89		DRY										
SW030	08/21/89		***										
SW030	08/21/89		***										
SW030	09/25/89		***										
SW030	10/20/89		***										
SW030	11/09/89		DRY										
SW030	12/01/89		DRY										
SW030	01/05/90		DRY										
SW030	02/02/90		DRY										
SW030	03/15/90		***										
SW050	/ /		DRY										
SW050	07/21/87		***										
SW050	06/27/88	5.11 ± 3.88	5	3.28 ± 4.47	7	1.26 ± 0.338	0.1	NR		1.60 ± 0.392	0.2	NR	
SW050	06/27/88		***										
SW050	04/17/89		DRY										
SW050	05/10/89		DRY										
SW050	06/27/89		***										
SW050	07/18/89		***										
SW050	08/11/89		DRY										
SW050	09/12/89		DRY										
SW050	10/04/89		DRY										
SW050	11/03/89		DRY										
SW050	12/01/89		DRY										
SW050	01/05/90		DRY										
SW050	02/02/90		DRY										
SW050	03/17/90		DRY										
SW051	07/21/87		***										
SW051	06/23/88		DRY										
SW051	04/17/89		DRY										
SW051	05/10/89		DRY										
SW051	06/27/89		***										
SW051	07/18/89		DRY										
SW051	08/11/89		DRY										
SW051	09/12/89		DRY										
SW051	10/04/89		DRY										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW030	06/22/89		***										
SW030	07/20/89		DRY										
SW030	08/21/89		***										
SW030	08/21/89		***										
SW030	09/25/89		***										
SW030	10/20/89		***										
SW030	11/09/89		DRY										
SW030	12/01/89		DRY										
SW030	01/05/90		DRY										
SW030	02/02/90		DRY										
SW030	03/15/90		***										
SW050	/ /		DRY										
SW050	07/21/87		***										
SW050	06/27/88	0.575 ± 0.347	0.2	NR		NR		NR		NR		NR	
SW050	06/27/88		***										
SW050	04/17/89		DRY										
SW050	05/10/89		DRY										
SW050	06/27/89		***										
SW050	07/18/89		***										
SW050	08/11/89		DRY										
SW050	09/12/89		DRY										
SW050	10/04/89		DRY										
SW050	11/03/89		DRY										
SW050	12/01/89		DRY										
SW050	01/05/90		DRY										
SW050	02/02/90		DRY										
SW050	03/17/90		DRY										
SW051	07/21/87		***										
SW051	06/23/88		DRY										
SW051	04/17/89		DRY										
SW051	05/10/89		DRY										
SW051	06/27/89		***										
SW051	07/18/89		DRY										
SW051	08/11/89		DRY										
SW051	09/12/89		DRY										
SW051	10/04/89		DRY										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW051	11/03/89		DRY										
SW051	12/01/89		DRY										
SW051	01/05/90		DRY										
SW051	02/02/90		DRY										
SW052	07/21/87		***										
SW052	06/23/88	0.574 ± 3.77	6	0.00 ± 4.80	9	1.85 ± 0.368	0.09	NR		1.87 ± 0.381	0.1	NR	
SW052	04/17/89		DRY										
SW052	05/10/89		DRY										
SW052	06/09/89		DRY										
SW052	07/07/89		DRY										
SW052	08/11/89		DRY										
SW052	09/28/89		DRY										
SW052	10/04/89		DRY										
SW052	11/03/89		DRY										
SW052	12/01/89		DRY										
SW052	01/05/90		DRY										
SW052	02/02/90		DRY										
SW052	03/17/90		DRY										
SW053	07/21/87		***										
SW053	06/23/88	8.48 ± 4.74	6	0.353 ± 5.15	9	3.63 ± 5.33	0.09	NR		3.63 ± 0.540	0.1	NR	
SW053	06/23/88		***										
SW053	04/05/89	2 ± 6		7 ± 4		1.0 ± 0.2		0.1 ± 0.1		0.9 ± 0.2		0.0 ± 0.4	
SW053	05/23/89		***										
SW053	06/26/89		***										
SW053	07/19/89		DRY										
SW053	08/15/89		***										
SW053	09/20/89		***										
SW053	10/12/89		***										
SW053	11/07/89		***										
SW053	12/15/89		***										
SW053	01/17/90		***										
SW053	02/13/90		***										
SW054	/ /		DRY										
SW054	07/05/88	7.03 ± 4.02	5	13.2 ± 4.87	7	2.01 ± 1.17	0.4	NR		4.23 ± 1.72	0.6	NR	
SW054	03/21/89	5 ± 4		4 ± 3		3.3 ± 0.5		0.1 ± 0.1		4.8 ± 0.6		-0.2 ± 0.5	

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW051	11/03/89		DRY										
SW051	12/01/89		DRY										
SW051	01/05/90		DRY										
SW051	02/02/90		DRY										
SW052	07/21/87		***										
SW052	06/23/88	0.369 ± 0.195	0.2	NR		NR		NR		NR		NR	
SW052	04/17/89		DRY										
SW052	05/10/89		DRY										
SW052	06/09/89		DRY										
SW052	07/07/89		DRY										
SW052	08/11/89		DRY										
SW052	09/28/89		DRY										
SW052	10/04/89		DRY										
SW052	11/03/89		DRY										
SW052	12/01/89		DRY										
SW052	01/05/90		DRY										
SW052	02/02/90		DRY										
SW052	03/17/90		DRY										
SW053	07/21/87		***										
SW053	06/23/88	1.89 ± 0.851	0.7	NR		NR		NR		NR		NR	
SW053	06/23/88		***										
SW053	04/05/89	0.20 ± 0.03		0.03 ± 0.03		0.0 ± 0.6		NR		NR		NR	
SW053	05/23/89		***										
SW053	06/26/89		***										
SW053	07/19/89		DRY										
SW053	08/15/89		***										
SW053	09/20/89		***										
SW053	10/12/89		***										
SW053	11/07/89		***										
SW053	12/15/89		***										
SW053	01/17/90		***										
SW053	02/13/90		***										
SW054	/ /		DRY										
SW054	07/05/88	0.102 ± 0.0770	0.07	NR		NR		NR		NR		NR	
SW054	03/21/89	0.01 ± 0.01		0.00 ± 0.02		0.2 ± 0.7		NR		0.3 ± 0.2		NR	

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Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW054	05/18/89		***										
SW054	06/22/89		***										
SW054	07/19/89		***										
SW054	08/15/89		***										
SW054	09/21/89		***										
SW054	10/12/89		***										
SW054	11/03/89		***										
SW054	12/12/89		***										
SW054	12/12/89		***										
SW054	01/18/90		***										
SW054	02/12/90		***										
SW055	07/21/87		***										
SW055	07/21/87		***										
SW055	06/22/88	2.30 ± 4.40	7	0.00 ± 5.07	9	2.56 ± 0.621	0.3	NR		2.46 ± 0.638	0.4	NR	
SW055	04/17/89		Data not yet received										
SW055	05/25/89		***										
SW055	06/28/89		***										
SW055	07/18/89		***										
SW055	08/16/89		***										
SW055	09/20/89		***										
SW055	10/19/89		***										
SW055	11/09/89		***										
SW055	12/07/89		***										
SW055	01/16/90		***										
SW055	02/23/90		***										
SW055	03/15/90		***										
SW057	07/21/87		***										
SW057	06/23/88		DRY										
SW057	04/17/89		DRY										
SW057	05/10/89		DRY										
SW057	06/09/89		DRY										
SW057	07/07/89		DRY										
SW057	08/11/89		DRY										
SW057	09/16/89		DRY										
SW057	10/04/89		DRY										
SW057	11/03/89		DRY										

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Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW054	05/18/89		***										
SW054	06/22/89		***										
SW054	07/19/89		***										
SW054	08/15/89		***										
SW054	09/21/89		***										
SW054	10/12/89		***										
SW054	11/03/89		***										
SW054	12/12/89		***										
SW054	12/12/89		***										
SW054	01/18/90		***										
SW054	02/12/90		***										
SW055	07/21/87		***										
SW055	07/21/87		***										
SW055	06/22/88	0.00 ± 0.846	1	NR		NR		NR		NR		NR	
SW055	04/17/89		Data not yet received										
SW055	05/25/89		***										
SW055	06/28/89		***										
SW055	07/18/89		***										
SW055	08/16/89		***										
SW055	09/20/89		***										
SW055	10/19/89		***										
SW055	11/09/89		***										
SW055	12/07/89		***										
SW055	01/16/90		***										
SW055	02/23/90		***										
SW055	03/15/90		***										
SW057	07/21/87		***										
SW057	06/23/88		DRY										
SW057	04/17/89		DRY										
SW057	05/10/89		DRY										
SW057	06/09/89		DRY										
SW057	07/07/89		DRY										
SW057	08/11/89		DRY										
SW057	09/16/89		DRY										
SW057	10/04/89		DRY										
SW057	11/03/89		DRY										

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Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW057	12/01/89		DRY										
SW057	01/05/90		DRY										
SW057	02/02/90		DRY										
SW057	03/17/90		DRY										
SW058	07/21/87		***										
SW058	06/23/88	0.147 ± 3.73	6	0.00 ± 4.80	8	1.89 ± 0.375	0.09	NR		2.21 ± 0.415	0.1	NR	
SW058	04/17/89		DRY										
SW058	05/10/89		DRY										
SW058	06/28/89		***										
SW058	07/14/89		DRY										
SW058	08/11/89		DRY										
SW058	09/20/89		DRY										
SW058	10/04/89		DRY										
SW058	11/20/89		DRY										
SW058	12/01/89		DRY										
SW058	01/05/90		DRY										
SW058	02/02/90		DRY										
SW062	07/22/87		***										
SW062	07/05/88	7.16 ± 4.32	6	11.1 ± 4.89	7	2.80 ± 0.414	0.2	NR		1.35 ± 0.335	0.3	NR	
SW062	03/28/89	3 ± 3		3 ± 3		0.2 ± 0.1		0.0 ± 0.1		0.0 ± 0.1		0.0 ± 0.5	
SW062	05/23/89		***										
SW062	06/22/89		***										
SW062	07/19/89		***										
SW062	08/15/89		***										
SW062	09/15/89		***										
SW062	10/12/89		***										
SW062	11/08/89		***										
SW062	12/13/89		***										
SW062	01/18/90		***										
SW062	02/20/90		***										
SW063	07/24/87		***										
SW063	07/06/88	8.25 ± 4.72	6	18.9 ± 5.62	8	9.82 ± 0.586	0.07	NR		7.97 ± 0.526	0.05	NR	
SW063	03/28/89		DRY										
SW063	05/12/89		DRY										
SW063	06/21/89		DRY										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW057	12/01/89		DRY										
SW057	01/05/90		DRY										
SW057	02/02/90		DRY										
SW057	03/17/90		DRY										
SW058	07/21/87		***										
SW058	06/23/88	1.06 ± 0.360	0.2	NR		NR		NR		NR		NR	
SW058	04/17/89		DRY										
SW058	05/10/89		DRY										
SW058	06/28/89		***										
SW058	07/14/89		DRY										
SW058	08/11/89		DRY										
SW058	09/20/89		DRY										
SW058	10/04/89		DRY										
SW058	11/20/89		DRY										
SW058	12/01/89		DRY										
SW058	01/05/90		DRY										
SW058	02/02/90		DRY										
SW062	07/22/87		***										
SW062	07/05/88	0.0183 ± 0.0898	0.1	NR		NR		NR		NR		NR	
SW062	03/28/89	0.00 ± 0.02		0.00 ± 0.01		0.1 ± 0.6		NR		NR		NR	
SW062	05/23/89		***										
SW062	06/22/89		***										
SW062	07/19/89		***										
SW062	08/15/89		***										
SW062	09/15/89		***										
SW062	10/12/89		***										
SW062	11/08/89		***										
SW062	12/13/89		***										
SW062	01/18/90		***										
SW062	02/20/90		***										
SW063	07/24/87		***										
SW063	07/06/88	0.0750 ± 0.0871	0.07	NR		NR		NR		NR		NR	
SW063	03/28/89		DRY										
SW063	05/12/89		DRY										
SW063	06/21/89		DRY										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW063	07/19/89		DRY										
SW063	08/11/89		DRY										
SW063	09/15/89		DRY										
SW063	10/04/89		DRY										
SW063	11/03/89		DRY										
SW063	12/01/89		DRY										
SW063	01/05/90		DRY										
SW063	02/02/90		DRY										
SW064	07/22/87		***										
SW064	07/07/88	6.34 ± 4.39	6	7.20 ± 5.33	8	8.96 ± 1.84	0.2	NR		6.57 ± 1.56	0.1	NR	
SW064	03/30/89		DRY										
SW064	05/22/89		***										
SW064	06/27/89		***										
SW064	07/19/89		DRY										
SW064	08/11/89		DRY										
SW064	09/20/89		DRY										
SW064	10/04/89		DRY										
SW064	11/09/89		DRY										
SW064	12/01/89		DRY										
SW064	01/05/90		DRY										
SW064	02/02/90		DRY										
SW070	06/29/88	10.7 ± 4.96	6	15.0 ± 5.49	8	2.29 ± 0.599	0.1	NR		4.15 ± 8.12	0.2	NR	
SW070	03/29/89	5 ± 6		6 ± 3		1.6 ± 0.3		0.4 ± 0.1		3.2 ± 0.4		-0.2 ± 0.5	
SW070	05/16/89		***										
SW070	06/23/89		***										
SW070	07/20/89		***										
SW070	08/14/89		***										
SW070	08/14/89		***										
SW070	09/26/89		***										
SW070	10/23/89		***										
SW070	10/23/89		***										
SW070	11/16/89		***										
SW070	12/13/89		***										
SW070	01/11/90		***										
SW070	02/07/90		***										
SW070	03/15/90		***										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW063	07/19/89		DRY										
SW063	08/11/89		DRY										
SW063	09/15/89		DRY										
SW063	10/04/89		DRY										
SW063	11/03/89		DRY										
SW063	12/01/89		DRY										
SW063	01/05/90		DRY										
SW063	02/02/90		DRY										
SW064	07/22/87		***										
SW064	07/07/88	0.00 ± 0.201	0.3	NR		NR		NR		NR		NR	
SW064	03/30/89		DRY										
SW064	05/22/89		***										
SW064	06/27/89		***										
SW064	07/19/89		DRY										
SW064	08/11/89		DRY										
SW064	09/20/89		DRY										
SW064	10/04/89		DRY										
SW064	11/09/89		DRY										
SW064	12/01/89		DRY										
SW064	01/05/90		DRY										
SW064	02/02/90		DRY										
SW070	06/29/88	0.110 ± 0.0857	0.04	NR		NR		NR		NR		NR	
SW070	03/29/89	0.00 ± 0.01		0.01 ± 0.01		-0.1 ± 0.6		NR		0.2 ± 0.3		NR	
SW070	05/16/89		***										
SW070	06/23/89		***										
SW070	07/20/89		***										
SW070	08/14/89		***										
SW070	08/14/89		***										
SW070	09/26/89		***										
SW070	10/23/89		***										
SW070	10/23/89		***										
SW070	11/16/89		***										
SW070	12/13/89		***										
SW070	01/11/90		***										
SW070	02/07/90		***										
SW070	03/15/90		***										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW077	06/22/88	5.67 ± 4.81	7	0.00 ± 5.11	9	1.98 ± 0.532	0.3	NR		2.38 ± 0.602	0.4	NR	
SW077	03/30/89		DRY										
SW077	05/11/89		DRY										
SW077	06/27/89		***										
SW077	07/18/89		DRY										
SW077	08/16/89		***										
SW077	09/20/89		DRY										
SW077	10/04/89		DRY										
SW077	11/09/89		DRY										
SW077	12/01/89		DRY										
SW077	01/05/90		DRY										
SW077	02/02/90		DRY										
SW077	03/16/90		***										

Mound Area

SW021	08/19/86		***										
SW022	/ /		DRY										
SW023	08/19/86		***										
SW059	07/21/87		***										
SW059	07/01/88	5.03 ± 4.06	6	8.24 ± 4.87	7	3.36 ± 1.06	0.1	NR		2.30 ± 0.862	0.09	NR	
SW059	03/20/89	16 ± 12		-2 ± 5		3.9 ± 0.2		0.1 ± 0.1		3.5 ± 0.2		-0.2 ± 0.4	
SW059	05/11/89		***										
SW059	06/08/89		***										
SW059	07/06/89		***										
SW059	08/10/89		***										
SW059	09/18/89		***										
SW059	10/03/89		***										
SW059	11/06/89		***										
SW059	12/06/89		***										
SW059	01/23/90		***										
SW059	02/09/90		***										
SW059	03/12/90		***										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW077	06/22/88	0.0275 ± 0.735	1	NR		NR		NR		NR		NR	
SW077	03/30/89		DRY										
SW077	05/11/89		DRY										
SW077	06/27/89		***										
SW077	07/18/89		DRY										
SW077	08/16/89		***										
SW077	09/20/89		DRY										
SW077	10/04/89		DRY										
SW077	11/09/89		DRY										
SW077	12/01/89		DRY										
SW077	01/05/90		DRY										
SW077	02/02/90		DRY										
SW077	03/16/90		***										

Mound Area

SW021	08/19/86		***										
SW022	/ /		DRY										
SW023	08/19/86		***										
SW059	07/21/87		***										
SW059	07/01/88	0.0117 ± 0.0629	0.07	NR		NR		NR		NR		NR	
SW059	03/20/89	0.01 ± 0.01		-0.01 ± 0.02		0.4 ± 0.6		NR		0.1 ± 0.2		NR	
SW059	05/11/89		***										
SW059	06/08/89		***										
SW059	07/06/89		***										
SW059	08/10/89		***										
SW059	09/18/89		***										
SW059	10/03/89		***										
SW059	11/06/89		***										
SW059	12/06/89		***										
SW059	01/23/90		***										
SW059	02/09/90		***										
SW059	03/12/90		***										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW060	07/21/87		***										
SW060	11/11/87		***										
SW060	07/01/88	3.64 ± 3.88	6	13.2 ± 4.98	7	4.94 ± 1.42	0.2	NR		5.32 ± 1.44	0.1	NR	
SW060	03/16/89	7 ± 8		2 ± 4		2.2 ± 0.4		0.1 ± 0.1		2.3 ± 0.4		0.3 ± 0.5	
SW060	03/16/89	4 ± 7		6 ± 4		2.4 ± 0.5		0.2 ± 0.1		2.6 ± 0.5		-0.1 ± 0.4	
SW060	05/15/89		***										
SW060	05/15/89		***										
SW060	06/09/89		***										
SW060	07/06/89		***										
SW060	08/03/89		***										
SW060	09/11/89		***										
SW060	09/11/89		***										
SW060	10/03/89		***										
SW060	11/06/89		***										
SW060	11/06/89		***										
SW060	12/06/89		***										
SW060	01/23/90		***										
SW060	02/09/90		***										
SW060	03/12/90		***										
SW061	07/22/87		***										
SW061	11/11/87		***										
SW061	07/01/88	20.6 ± 5.74	6	43.7 ± 6.44	7	5.09 ± 1.23	0.1	NR		3.70 ± 1.04	0.09	NR	
SW061	03/20/89	4 ± 4		7 ± 3		1.1 ± 0.4		0.0 ± 0.1		1.4 ± 0.5		-0.2 ± 0.4	
SW061	05/15/89		***										
SW061	06/09/89		***										
SW061	07/06/89		***										
SW061	08/03/89		***										
SW061	09/11/89		***										
SW061	10/03/89		***										
SW061	10/20/89		DRY										
SW061	11/06/89		***										
SW061	12/06/89		***										
SW061	01/23/90		***										
SW061	02/09/90		***										
SW061	03/12/90		***										
SW061	03/12/90		***										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	Plutonium 239, 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW060	07/21/87		***										
SW060	11/11/87		***										
SW060	07/01/88	0.00 ± 0.0851	0.2	NR		NR		NR		NR		NR	
SW060	03/16/89	0.02 ± 0.01		0.00 ± 0.01		0.6 ± 0.8		NR		0.2 ± 0.2		NR	
SW060	03/16/89	0.02 ± 0.01		-0.01 ± 0.01		0.4 ± 0.7		NR		NR		NR	
SW060	05/15/89		***										
SW060	05/15/89		***										
SW060	06/09/89		***										
SW060	07/06/89		***										
SW060	08/03/89		***										
SW060	09/11/89		***										
SW060	09/11/89		***										
SW060	10/03/89		***										
SW060	11/06/89		***										
SW060	11/06/89		***										
SW060	12/06/89		***										
SW060	01/23/90		***										
SW060	02/09/90		***										
SW060	03/12/90		***										
SW061	07/22/87		***										
SW061	11/11/87		***										
SW061	07/01/88	0.108 ± 0.133	0.1	NR		NR		NR		NR		NR	
SW061	03/20/89	0.01 ± 0.01		0.00 ± 0.02*		0.0 ± 0.6		NR		NR		NR	
SW061	05/15/89		***										
SW061	06/09/89		***										
SW061	07/06/89		***										
SW061	08/03/89		***										
SW061	09/11/89		***										
SW061	10/03/89		***										
SW061	10/20/89		DRY										
SW061	11/06/89		***										
SW061	12/06/89		***										
SW061	01/23/90		***										
SW061	02/09/90		***										
SW061	03/12/90		***										
SW061	03/12/90		***										

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW101	06/30/88	0.00 ± 2.42	4	1.92 ± 4.07	7	0.226 ± 0.143	0.1	NR		0.391 ± 0.201	0.2	NR	
SW101	04/13/89	0 ± 1		1 ± 2		0.1 ± 0.1		0.0 ± 0.1		0.1 ± 0.1		0.2 ± 0.4	
SW101	05/11/89		***										
SW101	06/07/89		***										
SW101	07/12/89		***										
SW101	08/09/89		***										
SW101	09/14/89		***										
SW101	10/18/89		***										
SW101	11/15/89		***										
SW101	12/19/89		***										
SW101	01/25/90		***										
SW101	02/22/90		***										
SW101	03/21/90		***										

East Trenches Area

SW024	08/19/86		***										
SW025	08/19/86		***										
SW025	08/17/89		***										
SW025	08/17/89		***										
SW025	09/21/89		Data not yet received										
SW065	07/07/88	9.92 ± 4.51	5	14.1 ± 5.51	8	4.88 ± 0.896	0.05	NR		4.34 ± 0.841	0.03	NR	
SW065	04/05/89	8 ± 6		8 ± 4		6.1 ± 0.6		0.2 ± 0.1		4.5 ± 0.5		0.0 ± 0.4	
SW065	05/26/89		***										
SW065	06/20/89		***										
SW065	07/17/89		***										
SW065	08/15/89		***										
SW065	09/20/89		***										
SW065	10/12/89		***										
SW065	11/07/89		***										
SW065	12/07/89		***										
SW065	01/18/90		***										
SW065	02/23/90		***										
SW102	07/08/88	3.39 ± 3.78	5.	23.9 ± 5.90	8	6.00 ± 1.31	0.2	NR		5.13 ± 1.20	0.1	0.0792 ± 0.128	0.1

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW101	06/30/88	0.00 ± 0.0641	0.1	NR		NR		NR		NR		NR	
SW101	04/13/89	0.00 ± 0.01		-0.01 ± 0.03		-0.5 ± 0.5		NR		NR		NR	
SW101	05/11/89		***										
SW101	06/07/89		***										
SW101	07/12/89		***										
SW101	08/09/89		***										
SW101	09/14/89		***										
SW101	10/18/89		***										
SW101	11/15/89		***										
SW101	12/19/89		***										
SW101	01/25/90		***										
SW101	02/22/90		***										
SW101	03/21/90		***										

East Trenches Area

SW024	08/19/86		***										
SW025	08/19/86		***										
SW025	08/17/89		***										
SW025	08/17/89		***										
SW025	09/21/89		Data not yet received										
SW065	07/07/88	0.0107 ± 0.0468	0.01	NR		NR		NR		NR		NR	
SW065	04/05/89	0.00 ± 0.01		0.00 ± 0.02		0.3 ± 0.8		NR		0.1 ± 0.3		NR	
SW065	05/26/89		***										
SW065	06/20/89		***										
SW065	07/17/89		***										
SW065	08/15/89		***										
SW065	09/20/89		***										
SW065	10/12/89		***										
SW065	11/07/89		***										
SW065	12/07/89		***										
SW065	01/18/90		***										
SW065	02/23/90		***										
SW102	07/08/88	0.0792 ± 0.128	0.1	NR		NR		NR		NR		NR	

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Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW102	04/11/89		DRY										
SW102	05/08/89		DRY										
SW102	06/06/89		DRY										
SW102	07/11/89		DRY										
SW102	08/08/89		DRY										
SW102	09/12/89		***										
SW102	10/04/89		DRY										
SW102	10/16/89		DRY										
SW102	11/14/89		DRY										
SW102	12/18/89		DRY										
SW102	01/26/90		DRY										
SW102	02/22/90		DRY										
SW102	03/20/90		***										
SW103	07/11/88	8.03 ± 8.13	10	21.7 ± 10.2	20	2.06 ± 1.41	0.06	NR		2.38 ± 1.49	0.03	NR	
SW103	03/23/89	5 ± 8		-4 ± 4		1.9 ± 0.2		0.1 ± 0.1		1.3 ± 0.2		-0.2 ± 0.4	
SW103	05/25/89		***										
SW103	06/15/89		***										
SW103	07/13/89		***										
SW103	08/02/89		***										
SW103	09/07/89		***										
SW103	10/03/89		***										
SW103	11/03/89		***										
SW103	12/06/89		***										
SW103	01/18/90		***										
SW103	02/12/90		***										
SW103	03/22/90		***										

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*** = Insufficient Sample or Radiochemistry Analyses not requested.
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Dissolved Radiochemistry Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Plutonium 239, 240 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW102	04/11/89		DRY										
SW102	05/08/89		DRY										
SW102	06/06/89		DRY										
SW102	07/11/89		DRY										
SW102	08/08/89		DRY										
SW102	09/12/89		***										
SW102	10/04/89		DRY										
SW102	10/16/89		DRY										
SW102	11/14/89		DRY										
SW102	12/18/89		DRY										
SW102	01/26/90		DRY										
SW102	02/22/90		DRY										
SW102	03/20/90		***										
SW103	07/11/88	0.00 ± 0.0877	0.1	NR		NR		NR		NR		NR	
SW103	03/23/89	0.01 ± 0.02		0.00 ± 0.02		-0.1 ± 0.5		NR		0.1 ± 0.2		NR	
SW103	05/25/89		***										
SW103	06/15/89		***										
SW103	07/13/89		***										
SW103	08/02/89		***										
SW103	09/07/89		***										
SW103	10/03/89		***										
SW103	11/03/89		***										
SW103	12/06/89		***										
SW103	01/18/90		***										
SW103	02/12/90		***										
SW103	03/22/90		***										

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APPENDIX C-6

TOTAL RADIONUCLIDES

SURFACE WATER SAMPLING RESULTS

Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW026	07/06/88		DRY										
SW026	03/21/89	1 ± 3		1 ± 2		0.3 ± 0.2		0.0 ± 0.1		0.1 ± 0.1		-0.1 ± 0.5	
SW026	05/12/89	2 ± 3		7 ± 3		2.2 ± 0.4		0.1 ± 0.1		1.5 ± 0.3		-0.4 ± 0.4	
SW026	06/15/89	1 ± 3		2 ± 2		2.3 ± 0.4		0.0 ± 0.1		1.6 ± 0.4		0.1 ± 0.5	
SW026	06/15/89	3 ± 2		4 ± 2		1.8 ± 0.4		0.0 ± 0.1		1.6 ± 0.4		0.6 ± 0.5	
SW026	07/17/89		DRY										
SW026	08/11/89		DRY										
SW026	09/15/89	2.0 ± 0.6	0.7	5 ± 2	3	2.4 ± 0.7	0.1	0.05 ± 0.08	0.08	1.5 ± 0.5	0.05	0.5 ± 0.2	0.2
SW026	10/05/89		Data not yet received										
SW026	10/06/89		***										
SW026	10/11/89		Data not yet received										
SW026	10/17/89		***										
SW026	10/23/89		Data not yet received										
SW026	11/08/89		Data not yet received										
SW026	12/12/89		Data not yet received										
SW026	01/18/90		Data not yet received										
SW026	02/21/90		Data not yet received										
SW026	03/26/90		Data not yet received										
SW026	03/26/90		Data not yet received										
SW027	08/21/86	33 ± 12		37 ± 8		4.1 ± 0.7		NR		6.1 ± 0.9		NR	
SW027	07/22/87	10 ± 0		61 ± 3		.79 ± .92		.17 ± .52		5.8 ± 1.7		<1.0	
SW027	07/07/88	NR		NR		6.64 ± 0.967	0.2	NR		9.74 ± 1.15	0.1	NR	
SW027	03/21/89	11 ± 7		8 ± 3		2.3 ± 0.4		0.1 ± 0.1		4.0 ± 0.5		0.1 ± 0.6	
SW027	05/18/89		Data not yet received										
SW027	06/22/89	10 ± 4	4	12 ± 3	4	1.9 ± 0.4	0.	0.0 ± 0.1	0.	1.8 ± 0.3	0.	-0.2 ± 0.2	0.
SW027	07/17/89		Data not yet received										
SW027	08/11/89		Data not yet received										
SW027	09/15/89	1 ± 1	2	11 ± 2	3	0.7 ± 0.4	0.2	0.06 ± 0.13	0.1	0.4 ± 0.3	0.06	0.1 ± 0.8	0.8
SW027	10/11/89		Data not yet received										
SW027	11/08/89		Data not yet received										
SW027	12/15/89		Data not yet received										
SW027	01/29/90		Data not yet received										
SW027	02/12/90		Data not yet received										
SW028	08/21/86	6 ± 4		4 ± 3		1.2 ± 0.3		NR		0.87 ± 0.27		NR	
SW028	07/22/87	2 ± 17		80 ± 19		.13 ± .79		0.0 ± .57		1.6 ± 1.3		1.4	
SW028	07/06/88	NR		NR		3.03 ± 0.523	0.2	NR		1.90 ± 0.407	0.1	NR	

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW026	07/06/88	DRY											
SW026	03/21/89	0.01 ± 0.01		0.00 ± 0.02		0.2 ± 0.7		-90 ± 150		NR		NR	
SW026	05/12/89	0.00 ± 0.01		0.01 ± 0.01		-0.4 ± 0.6		-10 ± 140		NR		NR	
SW026	06/15/89	0.01 ± 0.01		0.00 ± 0.01		0.1 ± 0.5		30 ± 230		NR		NR	
SW026	06/15/89	0.01 ± 0.01		0.00 ± 0.01		0.2 ± 0.4		20 ± 230		NR		NR	
SW026	07/17/89	DRY											
SW026	08/11/89	DRY											
SW026	09/15/89	0.015 ± 0.013	0.01	-0.001 ± 0.007	0.009	-0.009 ± 0.12	0.3	-600 ± 300	400	NR		NR	
SW026	10/05/89	Data not yet received											
SW026	10/06/89	***											
SW026	10/11/89	Data not yet received											
SW026	10/17/89	***											
SW026	10/23/89	Data not yet received											
SW026	11/08/89	Data not yet received											
SW026	12/12/89	Data not yet received											
SW026	01/18/90	Data not yet received											
SW026	02/21/90	Data not yet received											
SW026	03/26/90	Data not yet received											
SW026	03/26/90	Data not yet received											
SW027	08/21/86	0.10 ± 0.20		0.10 ± 0.12		NR		-0.03 ± 0.21		NR		NR	
SW027	07/22/87	0.0 ± 1.0		0.0 ± 1.6		<1.0		<110		NR		NR	
SW027	07/07/88	0.00 ± 0.207	0.4	NR		NR		901 ± 308	500	NR		NR	
SW027	03/21/89	0.02 ± 0.02		0.01 ± 0.01		-0.2 ± 0.6		-90 ± 150		0.2 ± 0.2		NR	
SW027	05/18/89	Data not yet received											
SW027	06/22/89	0.82 ± 0.05	0.	0.14 ± 0.02	0.	0.3 ± 0.5	0.	180 ± 210	28	0.3 ± 0.3	0.	NR	
SW027	07/17/89	Data not yet received											
SW027	08/11/89	Data not yet received											
SW027	09/15/89	0.04 ± 0.01	0.004	0.04 ± 0.02	0.009	0.13 ± 0.16	0.3	-500 ± 300	400	NR		NR	
SW027	10/11/89	Data not yet received											
SW027	11/08/89	Data not yet received											
SW027	12/15/89	Data not yet received											
SW027	01/29/90	Data not yet received											
SW027	02/12/90	Data not yet received											
SW028	08/21/86	-0.04 ± 0.08		0.00 ± 0.04		NR		0.19 ± 0.21		NR		NR	
SW028	07/22/87	0.1 ± 1.2		0.0 ± 4.1		<1		<110		NR		NR	
SW028	07/06/88	0.240 ± 0.101	0.04	NR		NR		479 ± 291	500	NR		NR	

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	Gross Alpha mda	Gross Beta pCi/l	Gross Beta mda	Uranium 233, 234 pCi/l	Uranium 233, 234 mda	Uranium 235 pCi/l	Uranium 235 mda	Uranium 238 pCi/l	Uranium 238 mda	Strontium 89,90 pCi/l	Strontium 89,90 mda
SW028	07/06/88	NR		NR		1.52 ± 0.179	0.04	NR		1.52 ± 0.176	0.03	NR	
SW028	03/28/89	1 ± 3		2 ± 2		0.2 ± 0.1		0.0 ± 0.1		0.2 ± 0.2		-0.3 ± 0.5	
SW028	05/23/89	5 ± 4		2 ± 3		1.4 ± 0.3		0.1 ± 0.1		0.8 ± 0.2		0.2 ± 0.4	
SW028	06/22/89	4 ± 3	3	4 ± 2	4	2.0 ± 0.3	0.	0.1 ± 0.1	0.	1.3 ± 0.3	0.	0.5 ± 0.2	0.
SW028	07/19/89		DRY										
SW028	08/15/89		DRY										
SW028	09/15/89	3 ± 2	3	1 ± 2	3	3 ± 1	0.1	0.07 ± 0.14	0.2	2.2 ± 0.7	0.2	-0.1 ± 0.7	1.0
SW028	10/12/89		Data not yet received										
SW028	11/08/89		Data not yet received										
SW028	12/15/89		Data not yet received										
SW028	01/18/90		Data not yet received										
SW028	02/23/90		Data not yet received										
SW029	08/20/86		DRY										
SW029	05/26/87	0 ± 0		33 ± 11		.62 ± .94		.15 ± .48		1.1 ± 1.0		1.80	
SW029	11/10/87		***										
SW029	06/23/88	NR		NR		1.45 ± 0.171	0.09	NR		1.43 ± 0.181	0.1	NR	
SW029	03/28/89	-1 ± 2		1 ± 2		0.3 ± 0.1		0.1 ± 0.1		0.0 ± 0.1		0.2 ± 0.5	
SW029	05/24/89	4 ± 4		3 ± 3		1.3 ± 0.3		0.0 ± 0.1		0.9 ± 0.2		0.1 ± 0.4	
SW029	06/22/89	5 ± 2	3	4 ± 2	4	1.2 ± 0.3	0.	0.0 ± 0.1	0.	1.2 ± 0.3	0.	0.5 ± 0.3	0.
SW029	07/20/89		DRY										
SW029	08/11/89		DRY										
SW029	09/25/89	1.7 ± .6	.7	6.2 ± 2.1	2.9	4.41 ± 1.03	.27	.17 ± .20	0	2.73 ± .81	.27	.57 ± .35	.49
SW029	09/25/89	2.9 ± .5	.4	4.8 ± 2.1	2.9	2.04 ± 1.66	0	-.34 ± .68	1.58	3.06 ± 2.04	0	.36 ± .31	.46
SW029	10/20/89		Data not yet received										
SW029	11/09/89		Data not yet received										
SW029	12/08/89		Data not yet received										
SW029	01/16/90		Data not yet received										
SW029	02/08/90		Data not yet received										
SW030	08/20/86		DRY										
SW030	05/26/87	18 ± 14		13 ± 14		2.5 ± 1.2		.84 ± .62		13 ± 2		2.03	
SW030	07/29/87		***										
SW030	11/10/87		***										
SW030	06/29/88	NR		NR		2.32 ± 0.227	0.09	NR		2.88 ± 0.259	0.1	NR	
SW030	06/29/88	NR		NR		1.88 ± 0.216	0.1	NR		2.88 ± 0.272	0.1	NR	
SW030	03/28/89	7 ± 6		8 ± 3		3.5 ± 0.5		0.3 ± 0.1		5.5 ± 0.7		0.0 ± 0.5	
SW030	05/16/89	6 ± 4		5 ± 3		1.0 ± 0.3		0.0 ± 0.1		1.3 ± 0.3		-0.4 ± 0.4	

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW028	07/06/88	0.0683 ± 0.0619	0.04	NR		NR		507 ± 291	500	NR		NR	
SW028	03/28/89	0.01 ± 0.02		0.00 ± 0.04		0.1 ± 0.5		-110 ± 150		NR		NR	
SW028	05/23/89	0.00 ± 0.01		-0.01 ± 0.02		-0.1 ± 0.6		240 ± 160		0.2 ± 0.3		NR	
SW028	06/22/89	0.01 ± 0.01	0.	0.00 ± 0.01	0.	-0.2 ± 0.5	0.	30 ± 210	28	NR		NR	
SW028	07/19/89		DRY										
SW028	08/15/89		DRY										
SW028	09/15/89	0.009 ± 0.009	0.01	0.03 ± 0.02	0.01	0.21 ± 1.0	0.7	-300 ± 300	400	NR		NR	
SW028	10/12/89		Data not yet received										
SW028	11/08/89		Data not yet received										
SW028	12/15/89		Data not yet received										
SW028	01/18/90		Data not yet received										
SW028	02/23/90		Data not yet received										
SW029	08/20/86		DRY										
SW029	05/26/87	0.0 ± .74		0.0 ± 1.3		<0.3		<110		NR		NR	
SW029	11/10/87		***										
SW029	06/23/88	0.315 ± 0.115	0.09	NR		NR		0.00 ± 289	500	NR		NR	
SW029	03/28/89	0.00 ± 0.02		0.00 ± 0.01		-0.1 ± 0.6		-140 ± 150		NR		NR	
SW029	05/24/89	0.02 ± 0.01		0.00 ± 0.01		0.2 ± 0.5		190 ± 160		NR		NR	
SW029	06/22/89	0.04 ± 0.01	0.	0.00 ± 0.01	0.	0.0 ± 0.5	0.	80 ± 210	28	0.2 ± 0.2	0.	NR	
SW029	07/20/89		DRY										
SW029	08/11/89		DRY										
SW029	09/25/89	.015 ± .008	0	-.002 ± .028	.046	-.19 ± .55	.94	110 ± 240	390	NR		NR	
SW029	09/25/89	.027 ± .011	.009	.025 ± .023	0	-.10 ± .52	.88	70 ± 240	390	NR		NR	
SW029	10/20/89		Data not yet received										
SW029	11/09/89		Data not yet received										
SW029	12/08/89		Data not yet received										
SW029	01/16/90		Data not yet received										
SW029	02/08/90		Data not yet received										
SW030	08/20/86		DRY										
SW030	05/26/87	.04 ± .68		0.0 ± 1.9		<0.3		<110		NR		NR	
SW030	07/29/87		***										
SW030	11/10/87		***										
SW030	06/29/88	0.0882 ± 0.148	0.1	NR		NR		225 ± 317	500	NR		NR	
SW030	06/29/88	0.0221 ± 0.259	0.3	NR		NR		0.00 ± 307	500	NR		NR	
SW030	03/28/89	0.01 ± 0.02		0.01 ± 0.01		0.2 ± 0.8		-100 ± 150		0.3 ± 0.2		NR	
SW030	05/16/89	0.01 ± 0.01		0.01 ± 0.02		-0.5 ± 0.6		120 ± 210		0.1 ± 0.3		NR	

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW030	06/22/89	8 ± 3	3	10 ± 3	4	2.9 ± 0.4	0.	0.1 ± 0.1	0.	3.6 ± 0.4	0.	0.0 ± 0.2	0.
SW030	07/20/89		DRY										
SW030	08/21/89		Data not yet received										
SW030	08/21/89		Data not yet received										
SW030	09/25/89	5.5 ± 1.0	.8	6.1 ± 1.9	2.6	4.59 ± 1.00	0	.11 ± .15	0	6.39 ± 1.18	0	.54 ± .31	.43
SW030	10/20/89		Data not yet received										
SW030	11/09/89		DRY										
SW030	12/01/89		DRY										
SW030	01/05/90		DRY										
SW030	02/02/90		DRY										
SW030	03/15/90		Data not yet received										
SW050	/ /		DRY										
SW050	07/21/87	26 ± 14		19 ± 49		1.3 ± 1.5		.22 ± .57		0.6 ± 1.1		<1.0	
SW050	06/27/88	NR		NR		1.49 ± 0.343	0.08	NR		1.15 ± 0.317	0.1	NR	
SW050	06/27/88		Data not yet received										
SW050	04/17/89		DRY										
SW050	05/10/89		DRY										
SW050	06/27/89	NR		NR		2.6 ± 0.4		0.1 ± 0.1		1.8 ± 0.4		NR	
SW050	07/18/89		Data not yet received										
SW050	08/11/89		DRY										
SW050	09/12/89		DRY										
SW050	10/04/89		DRY										
SW050	11/03/89		DRY										
SW050	12/01/89		DRY										
SW050	01/05/90		DRY										
SW050	02/02/90		DRY										
SW050	03/17/90		DRY										
SW051	07/21/87	58 ± 4		28 ± 8		1.2 ± 1.3		.30 ± .91		1.7 ± 1.1		<1	
SW051	06/23/88		DRY										
SW051	04/17/89		DRY										
SW051	05/10/89		DRY										
SW051	06/27/89	NR		NR		1.4 ± 0.3		0.0 ± 0.1		1.2 ± 0.3		NR	
SW051	07/18/89		DRY										
SW051	08/11/89		DRY										
SW051	09/12/89		DRY										
SW051	10/04/89		DRY										

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW030	06/22/89	0.22 ± 0.03	0.	0.00 ± 0.01	0.	0.3 ± 0.6	0.	50 ± 210	28	0.0 ± 0.3	0.	NR	
SW030	07/20/89		DRY										
SW030	08/21/89		Data not yet received										
SW030	08/21/89		Data not yet received										
SW030	09/25/89	.017 ± .009	.007	.029 ± .017	0	-.08 ± .75	1.25	260 ± 240	370	NR		NR	
SW030	10/20/89		Data not yet received										
SW030	11/09/89		DRY										
SW030	12/01/89		DRY										
SW030	01/05/90		DRY										
SW030	02/02/90		DRY										
SW030	03/15/90		Data not yet received										
SW050	/ /		DRY										
SW050	07/21/87	55 ± 7		0.0 ± 27		<1		<110		NR		NR	
SW050	06/27/88	0.928 ± 0.139	0.08	NR		NR		829 ± 327	500	NR		NR	
SW050	06/27/88		Data not yet received										
SW050	04/17/89		DRY										
SW050	05/10/89		DRY										
SW050	06/27/89	NR		NR		NR		20 ± 220		NR		NR	
SW050	07/18/89		Data not yet received										
SW050	08/11/89		DRY										
SW050	09/12/89		DRY										
SW050	10/04/89		DRY										
SW050	11/03/89		DRY										
SW050	12/01/89		DRY										
SW050	01/05/90		DRY										
SW050	02/02/90		DRY										
SW050	03/17/90		DRY										
SW051	07/21/87	13 ± 3		0.0 ± 11		<1.0		<110		NR		NR	
SW051	06/23/88		DRY										
SW051	04/17/89		DRY										
SW051	05/10/89		DRY										
SW051	06/27/89	NR		NR		NR		-120 ± 220		NR		NR	
SW051	07/18/89		DRY										
SW051	08/11/89		DRY										
SW051	09/12/89		DRY										
SW051	10/04/89		DRY										

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW051	11/03/89		DRY										
SW051	12/01/89		DRY										
SW051	01/05/90		DRY										
SW051	02/02/90		DRY										
SW052	07/21/87	114 ± 10		46 ± 15		1.0 ± 1.4		.17 ± .66		0.6 ± 1.8		<1	
SW052	06/23/88	NR		NR		1.60 ± 0.325	0.09	NR		2.19 ± 0.387	0.1	NR	
SW052	04/17/89		DRY										
SW052	05/10/89		DRY										
SW052	06/09/89		DRY										
SW052	07/07/89		DRY										
SW052	08/11/89		DRY										
SW052	09/28/89		DRY										
SW052	10/04/89		DRY										
SW052	11/03/89		DRY										
SW052	12/01/89		DRY										
SW052	01/05/90		DRY										
SW052	02/02/90		DRY										
SW052	03/17/90		DRY										
SW053	07/21/87	203 ± 48		42 ± 55		1.4 ± 1.1		0.0 ± .57		2.4 ± 1.3		3.5	
SW053	06/23/88	NR		NR		4.82 ± 0.327	0.1	NR		3.65 ± 0.295	0.2	NR	
SW053	06/23/88		Data not yet received										
SW053	04/05/89	230 ± 30		14 ± 7		2.3 ± 0.4		0.0 ± 0.1		1.8 ± 0.4		0.1 ± 0.4	
SW053	05/23/89		Data not yet received										
SW053	06/26/89	62 ± 10		8 ± 3		0.8 ± 0.3		0.0 ± 0.1		0.7 ± 0.3		0.5 ± 0.6	
SW053	07/19/89		DRY										
SW053	08/15/89		Data not yet received										
SW053	09/20/89	3.2 ± .7	.8	7.1 ± 2.2	3.0	3.92 ± 1.00	0	.13 ± .26	.30	4.05 ± 1.02	0	.29 ± .31	.47
SW053	10/12/89		Data not yet received										
SW053	11/07/89		Data not yet received										
SW053	12/15/89		Data not yet received										
SW053	01/17/90		Data not yet received										
SW053	02/13/90		Data not yet received										
SW054	/ /		DRY										
SW054	07/05/88	NR		NR		6.19 ± 9.71	0.2	NR		3.28 ± 0.750	0.4	NR	
SW054	03/21/89	9 ± 6		9 ± 3		2.1 ± 0.3		0.1 ± 0.1		3.5 ± 0.4		0.1 ± 0.5	

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW051	11/03/89		DRY										
SW051	12/01/89		DRY										
SW051	01/05/90		DRY										
SW051	02/02/90		DRY										
SW052	07/21/87	5.4 ± 1.5		0.2 ± 1.5		<1.0		<110		NR		NR	
SW052	06/23/88	0.595 ± 0.218	0.2	NR		NR		0.00 ± 278	500	NR		NR	
SW052	04/17/89		DRY										
SW052	05/10/89		DRY										
SW052	06/09/89		DRY										
SW052	07/07/89		DRY										
SW052	08/11/89		DRY										
SW052	09/28/89		DRY										
SW052	10/04/89		DRY										
SW052	11/03/89		DRY										
SW052	12/01/89		DRY										
SW052	01/05/90		DRY										
SW052	02/02/90		DRY										
SW052	03/17/90		DRY										
SW053	07/21/87	25 ± 5		0.0 ± 1.9		<1.0		<110		NR		NR	
SW053	06/23/88	5.06 ± 0.958	0.7	NR		NR		0.00 ± 283	500	NR		NR	
SW053	06/23/88		Data not yet received										
SW053	04/05/89	15 ± 1		9.7 ± 0.2		0.4 ± 0.7		310 ± 160		0.4 ± 0.3		NR	
SW053	05/23/89		Data not yet received										
SW053	06/26/89	56 ± 3		28 ± 1		-0.6 ± 1.3		140 ± 210		0.9 ± 0.6		NR	
SW053	07/19/89		DRY										
SW053	08/15/89		Data not yet received										
SW053	09/20/89	1.101 ± .058	.006	.224 ± .057	0	.13 ± .79	1.29	-50 ± 290	470	NR		NR	
SW053	10/12/89		Data not yet received										
SW053	11/07/89		Data not yet received										
SW053	12/15/89		Data not yet received										
SW053	01/17/90		Data not yet received										
SW053	02/13/90		Data not yet received										
SW054	/ /		DRY										
SW054	07/05/88	0.0695 ± 0.0407	0.03	NR		NR		0.00 ± 313	500	NR		NR	
SW054	03/21/89	0.11 ± 0.02		0.02 ± 0.01		0.6 ± 0.7		-120 ± 150		0.3 ± 0.2		NR	

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	Gross Alpha mda	Gross Beta pCi/l	Gross Beta mda	Uranium 233, 234 pCi/l	Uranium 233, 234 mda	Uranium 235 pCi/l	Uranium 235 mda	Uranium 238 pCi/l	Uranium 238 mda	Strontium 89,90 pCi/l	Strontium 89,90 mda
SW054	05/18/89		Data not yet received										
SW054	06/22/89	14 ± 5	5	22 ± 3	4	8.3 ± 0.7	0.	0.6 ± 0.2	0.	13 ± 1	0.	1.1 ± 0.5	0.
SW054	07/19/89		Data not yet received										
SW054	08/15/89		Data not yet received										
SW054	09/21/89	3.3 ± 1.0	1.1	8.1 ± 2.1	2.7	1.63 ± .68	0	.14 ± .20	0	2.41 ± .85	.33	.65 ± .41	.60
SW054	10/12/89		Data not yet received										
SW054	11/03/89		Data not yet received										
SW054	12/12/89		Data not yet received										
SW054	12/12/89		Data not yet received										
SW054	01/18/90		Data not yet received										
SW054	02/12/90		Data not yet received										
SW055	07/21/87	3 ± 12		42 ± 28		0.7 ± 1.3		0.0 ± .26		2.7 ± 1.7		2.5	
SW055	07/21/87		***										
SW055	06/22/88	NR		NR		2.21 ± 0.337	0.2	NR		2.33 ± 0.359	0.2	NR	
SW055	04/17/89		Data not yet received										
SW055	05/25/89	140 ± 30		28 ± 10		2.5 ± 0.4		0.1 ± 0.1		2.2 ± 0.4		0.1 ± 0.3	
SW055	06/28/89	NR		NR		4.4 ± 0.6		0.3 ± 0.1		4.4 ± 0.6		NR	
SW055	07/18/89		Data not yet received										
SW055	08/16/89		Data not yet received										
SW055	09/20/89	4.2 ± 1.7	2.0	10.8 ± 2.6	3.3	3.54 ± .93	0	.24 ± .24	0	2.74 ± .82	0	.60 ± .32	.44
SW055	10/19/89		Data not yet received										
SW055	11/09/89		Data not yet received										
SW055	12/07/89		Data not yet received										
SW055	01/16/90		Data not yet received										
SW055	02/23/90		Data not yet received										
SW055	03/15/90		Data not yet received										
SW057	07/21/87	259 ± 8		63 ± 20		2.8 ± 1.5		.57 ± .68		0.9 ± 1.0		<1.0	
SW057	06/23/88		DRY										
SW057	04/17/89		DRY										
SW057	05/10/89		DRY										
SW057	06/09/89		DRY										
SW057	07/07/89		DRY										
SW057	08/11/89		DRY										
SW057	09/16/89		DRY										
SW057	10/04/89		DRY										
SW057	11/03/89		DRY										

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Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW054	05/18/89	Data not yet received											
SW054	06/22/89	3.7 ± 0.1	0.	0.13 ± 0.02	0.	-0.2 ± 0.6	1.	180 ± 210	28	4.2 ± 0.6	0.	10 ± 2	2.
SW054	07/19/89	Data not yet received											
SW054	08/15/89	Data not yet received											
SW054	09/21/89	.014 ± .007	.003	.137 ± .058	0	-.36 ± .57	.99	-140 ± 220	380	NR		NR	
SW054	10/12/89	Data not yet received											
SW054	11/03/89	Data not yet received											
SW054	12/12/89	Data not yet received											
SW054	12/12/89	Data not yet received											
SW054	01/18/90	Data not yet received											
SW054	02/12/90	Data not yet received											
SW055	07/21/87	3.2 ± 1.7		0.0 ± 3.2		<1.0		<110		NR		NR	
SW055	07/21/87	***											
SW055	06/22/88	0.131 ± 0.727	1	NR		NR		0.00 ± 308	500	NR		NR	
SW055	04/17/89	Data not yet received											
SW055	05/25/89	60 ± 1		7.2 ± 0.3		0.0 ± 0.8		100 ± 210		1.8 ± 0.4		NR	
SW055	06/28/89	NR		NR		NR		140 ± 230		NR		NR	
SW055	07/18/89	Data not yet received											
SW055	08/16/89	Data not yet received											
SW055	09/20/89	.638 ± .050	.006	.161 ± .056	0	-.52 ± .68	1.21	-150 ± 230	390	NR		NR	
SW055	10/19/89	Data not yet received											
SW055	11/09/89	Data not yet received											
SW055	12/07/89	Data not yet received											
SW055	01/16/90	Data not yet received											
SW055	02/23/90	Data not yet received											
SW055	03/15/90	Data not yet received											
SW057	07/21/87	54 ± 7		0.0 ± 2.0		<1.0		<110		NR		NR	
SW057	06/23/88	DRY											
SW057	04/17/89	DRY											
SW057	05/10/89	DRY											
SW057	06/09/89	DRY											
SW057	07/07/89	DRY											
SW057	08/11/89	DRY											
SW057	09/16/89	DRY											
SW057	10/04/89	DRY											
SW057	11/03/89	DRY											

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW057	12/01/89		DRY										
SW057	01/05/90		DRY										
SW057	02/02/90		DRY										
SW057	03/17/90		DRY										
SW058	07/21/87	24 ± 21		11 ± 32		1.0 ± 0.8		.08 ± .36		1.3 ± 0.8		<1.0	
SW058	06/23/88	NR		NR		1.74 ± 0.188	0.09	NR		1.74 ± 0.197	0.1	NR	
SW058	04/17/89		DRY										
SW058	05/10/89		DRY										
SW058	06/28/89	10 ± 5		8 ± 3		10 ± 1		0.3 ± 0.2		7.8 ± 0.7		0.7 ± 0.6	
SW058	07/14/89		DRY										
SW058	08/11/89		DRY										
SW058	09/20/89		DRY										
SW058	10/04/89		DRY										
SW058	11/20/89		DRY										
SW058	12/01/89		DRY										
SW058	01/05/90		DRY										
SW058	02/02/90		DRY										
SW062	07/22/87	100 ± 20		100 ± 13		3.2 ± 2.9		0.0 ± 2.1		5.1 ± 3.0		<1.0	
SW062	07/05/88	NR		NR		3.47 ± 1.09	0.2	NR		1.99 ± 0.884	0.3	NR	
SW062	03/28/89	0 ± 2		2 ± 2		0.2 ± 0.1		0.0 ± 0.1		0.0 ± 0.1		-0.1 ± 0.4	
SW062	05/23/89	3 ± 4		4 ± 3		1.5 ± 0.3		0.0 ± 0.1		1.3 ± 0.3		0.0 ± 0.4	
SW062	06/22/89	5 ± 4	6	4 ± 3	4	2.1 ± 0.4	0.	0.0 ± 0.1	0.	1.6 ± 0.3	0.	0.6 ± 0.3	0.
SW062	07/19/89		Data not yet received										
SW062	08/15/89		Data not yet received										
SW062	09/15/89	4 ± 1	2	2 ± 2	2	2.5 ± 0.8	0.1	0.1 ± 0.1	0.1	2.2 ± 0.8	0.2	0.2 ± 0.5	0.9
SW062	10/12/89		Data not yet received										
SW062	11/08/89		Data not yet received										
SW062	12/13/89		Data not yet received										
SW062	01/18/90		Data not yet received										
SW062	02/20/90		Data not yet received										
SW063	07/24/87		***										
SW063	07/06/88	NR		NR		12.0 ± 0.864	0.1	NR		8.50 ± 0.725	0.08	NR	
SW063	03/28/89		DRY										
SW063	05/12/89		DRY										
SW063	06/21/89		DRY										

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Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW057	12/01/89		DRY										
SW057	01/05/90		DRY										
SW057	02/02/90		DRY										
SW057	03/17/90		DRY										
SW058	07/21/87	8.9 ± 2.1		0.3 ± 1.4		<1.0		<110		NR		NR	
SW058	06/23/88	3.64 ± 0.531	0.3	NR		NR		0.00 ± 279	500	NR		NR	
SW058	04/17/89		DRY										
SW058	05/10/89		DRY										
SW058	06/28/89	7.1 ± 0.1		1.1 ± 0.6		0.2 ± 0.6		90 ± 230		0.1 ± 0.5		NR	
SW058	07/14/89		DRY										
SW058	08/11/89		DRY										
SW058	09/20/89		DRY										
SW058	10/04/89		DRY										
SW058	11/20/89		DRY										
SW058	12/01/89		DRY										
SW058	01/05/90		DRY										
SW058	02/02/90		DRY										
SW062	07/22/87	1.3 ± 0.9		0.0 ± 1.3		1.9		<110		NR		NR	
SW062	07/05/88	0.207 ± 0.0967	0.07	NR		NR		0.00 ± 312	500	NR		NR	
SW062	03/28/89	0.01 ± 0.02		0.02 ± 0.01		0.0 ± 0.6		90 ± 150		NR		NR	
SW062	05/23/89	0.00 ± 0.01		-0.01 ± 0.02		0.7 ± 0.6		180 ± 160		NR		NR	
SW062	06/22/89	0.00 ± 0.01	0.	0.00 ± 0.01	0.	0.1 ± 0.5	0.	40 ± 210	28	0.0 ± 0.3	0.	NR	
SW062	07/19/89		Data not yet received										
SW062	08/15/89		Data not yet received										
SW062	09/15/89	0.010 ± 0.009	0.01	0.009 ± 0.008	0.009	-0.14 ± 0.14	0.3	-300 ± 300	400	NR		NR	
SW062	10/12/89		Data not yet received										
SW062	11/08/89		Data not yet received										
SW062	12/13/89		Data not yet received										
SW062	01/18/90		Data not yet received										
SW062	02/20/90		Data not yet received										
SW063	07/24/87		***										
SW063	07/06/88	0.242 ± 0.212	0.2	NR		NR		1100 ± 306	500	NR		NR	
SW063	03/28/89		DRY										
SW063	05/12/89		DRY										
SW063	06/21/89		DRY										

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Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW063	07/19/89		DRY										
SW063	08/11/89		DRY										
SW063	09/15/89		DRY										
SW063	10/04/89		DRY										
SW063	11/03/89		DRY										
SW063	12/01/89		DRY										
SW063	01/05/90		DRY										
SW063	02/02/90		DRY										
SW064	07/22/87	34 ± 7		93 ± 16		6.3 ± 1.6		0.0 ± .38		4.9 ± 1.3		1.5	
SW064	07/07/88	NR		NR		13.8 ± 1.68	0.06	NR		9.79 ± 1.41	0.04	NR	
SW064	03/30/89		DRY										
SW064	05/22/89		Data not yet received										
SW064	06/27/89	NR		NR		1.8 ± 0.3		0.0 ± 0.1		1.8 ± 0.3		NR	
SW064	07/19/89		DRY										
SW064	08/11/89		DRY										
SW064	09/20/89		DRY										
SW064	10/04/89		DRY										
SW064	11/09/89		DRY										
SW064	12/01/89		DRY										
SW064	01/05/90		DRY										
SW064	02/02/90		DRY										
SW070	06/29/88	NR		NR		2.05 ± 0.300	0.1	NR		3.77 ± 0.410	0.2	NR	
SW070	03/29/89	7 ± 7		8 ± 4		3.6 ± 0.5		0.6 ± 0.2		3.1 ± 0.4		-0.3 ± 0.5	
SW070	05/16/89	7 ± 4		7 ± 3		1.4 ± 0.3		0.0 ± 0.1		1.4 ± 0.3		-0.3 ± 0.4	
SW070	06/23/89	5 ± 4	5	10 ± 3	4	2.6 ± 0.4	0.	0.1 ± 0.1	0.	3.5 ± 0.5	0.	0.2 ± 0.4	0.
SW070	07/20/89		Data not yet received										
SW070	08/14/89		Data not yet received										
SW070	08/14/89		Data not yet received										
SW070	09/26/89	4.8 ± 1.0	.8	12.2 ± 2.5	3.0	4.26 ± 1.16	0	.47 ± .39	0	4.50 ± 1.19	0	.28 ± .28	.43
SW070	10/23/89		Data not yet received										
SW070	10/23/89		Data not yet received										
SW070	11/16/89		Data not yet received										
SW070	12/13/89		Data not yet received										
SW070	01/11/90		Data not yet received										
SW070	02/07/90		Data not yet received										
SW070	03/15/90		Data not yet received										

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW063	07/19/89		DRY										
SW063	08/11/89		DRY										
SW063	09/15/89		DRY										
SW063	10/04/89		DRY										
SW063	11/03/89		DRY										
SW063	12/01/89		DRY										
SW063	01/05/90		DRY										
SW063	02/02/90		DRY										
SW064	07/22/87	0.1 ± 1.2		0.01 ± 1.3		<1.0		<110		NR		NR	
SW064	07/07/88	0.123 ± 0.229	0.2	NR		NR		282 ± 303	500	NR		NR	
SW064	03/30/89		DRY										
SW064	05/22/89		Data not yet received										
SW064	06/27/89	NR		NR		NR		60 ± 230		NR		NR	
SW064	07/19/89		DRY										
SW064	08/11/89		DRY										
SW064	09/20/89		DRY										
SW064	10/04/89		DRY										
SW064	11/09/89		DRY										
SW064	12/01/89		DRY										
SW064	01/05/90		DRY										
SW064	02/02/90		DRY										
SW070	06/29/88	0.0113 ± 0.0566	0.06	NR		NR		0.00 ± 307	500	NR		NR	
SW070	03/29/89	0.02 ± 0.01		0.00 ± 0.01		0.3 ± 0.7		160 ± 160		0.2 ± 0.3		NR	
SW070	05/16/89	0.01 ± 0.01		0.00 ± 0.01		-0.1 ± 0.7		130 ± 210		0.0 ± 0.3		NR	
SW070	06/23/89	0.00 ± 0.01	0.	0.00 ± 0.01	0.	0.1 ± 0.5	0.	170 ± 230	31	0.0 ± 0.2	0.	NR	
SW070	07/20/89		Data not yet received										
SW070	08/14/89		Data not yet received										
SW070	08/14/89		Data not yet received										
SW070	09/26/89	.005 ± .006	.008	.088 ± .034	.036	-.49 ± .74	1.31	70 ± 240	400	NR		NR	
SW070	10/23/89		Data not yet received										
SW070	10/23/89		Data not yet received										
SW070	11/16/89		Data not yet received										
SW070	12/13/89		Data not yet received										
SW070	01/11/90		Data not yet received										
SW070	02/07/90		Data not yet received										
SW070	03/15/90		Data not yet received										

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW077	06/22/88	NR		NR		2.30 ± 0.370	0.2	NR		2.25 ± 0.383	0.3	NR	
SW077	03/30/89	DRY											
SW077	05/11/89	DRY											
SW077	06/27/89	NR		NR		2.8 ± 0.4		0.1 ± 0.1		2.2 ± 0.4		NR	
SW077	07/18/89	DRY											
SW077	08/16/89	Data not yet received											
SW077	09/20/89	DRY											
SW077	10/04/89	DRY											
SW077	11/09/89	DRY											
SW077	12/01/89	DRY											
SW077	01/05/90	DRY											
SW077	02/02/90	DRY											
SW077	03/16/90	Data not yet received											

Mound Area

SW021	08/19/86	9 ± 7		2 ± 5		3.2 ± 0.4		NR		3.4 ± 0.4		NR	
SW022	/ /	DRY											
SW023	08/19/86	0 ± 4		5 ± 3		1.6 ± 0.3		NR		1.6 ± 0.3		NR	
SW059	07/21/87	26 ± 6		28 ± 6		3.1 ± 1.2		.01 ± .45		5.6 ± 1.4		1.0	
SW059	07/01/88	NR		NR		4.89 ± 0.893	0.1	NR		4.57 ± 0.856	0.06	NR	
SW059	03/20/89	10 ± 14		9 ± 7		2.8 ± 0.2		0.1 ± 0.1		2.6 ± 0.2		-0.1 ± 0.5	
SW059	05/11/89	310 ± 140		340 ± 100		7.7 ± 1.0		1.0 ± 0.4		7.9 ± 1.0		0.4 ± 0.7	
SW059	06/08/89	Data not yet received											
SW059	07/06/89	140 ± 40		99 ± 20		0.1 ± 0.2		0.0 ± 0.1		0.1 ± 0.2		-0.1 ± 0.4	
SW059	08/10/89	Data not yet received											
SW059	09/18/89	0.7 ± 2.0	0.8	4 ± 3	4	3.4 ± 0.8	0.2	0.2 ± 0.2	0.1	3.2 ± 0.8	0.2	0.1 ± 0.2	0.3
SW059	10/03/89	Data not yet received											
SW059	11/06/89	Data not yet received											
SW059	12/06/89	Data not yet received											
SW059	01/23/90	Data not yet received											
SW059	02/09/90	Data not yet received											
SW059	03/12/90	Data not yet received											

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

903 Pad Area

Station Number	Date Sampled	Plutonium 239 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW077	06/22/88	1.92 ± 0.723	0.6	NR		NR		0.00 ± 293	500	NR		NR	
SW077	03/30/89		DRY										
SW077	05/11/89		DRY										
SW077	06/27/89	NR		NR		NR		10 ± 220		NR		NR	
SW077	07/18/89		DRY										
SW077	08/16/89		Data not yet received										
SW077	09/20/89		DRY										
SW077	10/04/89		DRY										
SW077	11/09/89		DRY										
SW077	12/01/89		DRY										
SW077	01/05/90		DRY										
SW077	02/02/90		DRY										
SW077	03/16/90		Data not yet received										

Mound Area

SW021	08/19/86	0.03 ± 0.05		0.01 ± 0.03		NR		0.07 ± 0.24		NR		NR	
SW022	/ /		DRY										
SW023	08/19/86	0.03 ± 0.05		0.00 ± 0.02		NR		0.05 ± 0.24		NR		NR	
SW059	07/21/87	0.0 ± .93		0.03 ± 1.4		<1.0		<110		NR		NR	
SW059	07/01/88	0.00 ± 0.219	0.3	NR		NR		0.00 ± 295	500	NR		NR	
SW059	03/20/89	0.48 ± 0.04		0.20 ± 0.13		0.3 ± 0.7		130 ± 150		1.0 ± 0.3		NR	
SW059	05/11/89	0.9 ± 0.1		1.3 ± 0.1		-0.6 ± 0.7		70 ± 140		7.2 ± 1.4		18 ± 5	
SW059	06/08/89		Data not yet received										
SW059	07/06/89	3.1 ± 0.1		0.00 ± 0.01		-0.1 ± 0.9		80 ± 140		5.8 ± 0.6		8.3 ± 3.3	
SW059	08/10/89		Data not yet received										
SW059	09/18/89	0.021 ± 0.007	0.006	-0.001 ± 0.004	0.007	0.08 ± 0.14	0.3	-200 ± 300	400	NR		NR	
SW059	10/03/89		Data not yet received										
SW059	11/06/89		Data not yet received										
SW059	12/06/89		Data not yet received										
SW059	01/23/90		Data not yet received										
SW059	02/09/90		Data not yet received										
SW059	03/12/90		Data not yet received										

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW060	07/21/87	8 ± 18		33 ± 24		1.7 ± 1.0		.37 ± .44		2.2 ± 0.8		<1.0	
SW060	11/11/87		***										
SW060	07/01/88	NR		NR		5.21 ± 0.827	0.2	NR		5.36 ± 0.826	0.1	NR	
SW060	03/16/89	7 ± 8		3 ± 4		2.1 ± 0.4		0.1 ± 0.1		2.2 ± 0.4		-0.2 ± 0.5	
SW060	03/16/89	7 ± 8		2 ± 4		3.1 ± 0.6		0.1 ± 0.1		3.4 ± 0.6		-0.1 ± 0.5	
SW060	05/15/89	2 ± 5		6 ± 3		1.4 ± 0.3		0.0 ± 0.1		1.8 ± 0.3		-0.3 ± 0.5	
SW060	05/15/89	4 ± 5		7 ± 3		1.8 ± 0.4		0.1 ± 0.1		1.4 ± 0.3		-0.3 ± 0.5	
SW060	06/09/89	14 ± 8		9 ± 3		2.6 ± 0.5		0.1 ± 0.1		2.3 ± 0.5		0.0 ± 0.4	
SW060	07/06/89	7 ± 3		6 ± 2		2.3 ± 0.6		0.1 ± 0.1		3.2 ± 0.7		0.0 ± 0.4	
SW060	08/03/89		Data not yet received										
SW060	09/11/89	4.0 ± .9	.8	7.5 ± 2.1	2.8	1.09 ± .65	.39	.08 ± .17	0	1.00 ± .58	0	-.08 ± .36	.61
SW060	09/11/89	NR		NR		1.64 ± .82	.43	.18 ± .26	0	1.55 ± .75	0	.24 ± .38	.59
SW060	10/03/89		Data not yet received										
SW060	11/06/89		Data not yet received										
SW060	11/06/89		Data not yet received										
SW060	12/06/89		Data not yet received										
SW060	01/23/90		Data not yet received										
SW060	02/09/90		Data not yet received										
SW060	03/12/90		Data not yet received										
SW061	07/22/87	17 ± 12		41 ± 14		.85 ± .89		.21 ± .40		.93 ± .75		<1.0	
SW061	11/11/87		***										
SW061	07/01/88	NR		NR		4.80 ± 0.697	0.1	NR		4.59 ± 0.672	0.08	NR	
SW061	03/20/89	8 ± 5		6 ± 3		1.3 ± 0.3		0.1 ± 0.1		1.1 ± 0.3		-0.4 ± 0.4	
SW061	05/15/89	4 ± 5		8 ± 3		2.1 ± 0.4		0.1 ± 0.1		2.6 ± 0.5		-0.3 ± 0.4	
SW061	06/09/89	11 ± 5		13 ± 3		2.7 ± 0.5		0.1 ± 0.1		3.0 ± 0.5		0.1 ± 0.3	
SW061	07/06/89	4 ± 3		5 ± 2		2.7 ± 0.5		0.1 ± 0.1		2.8 ± 0.5		-0.1 ± 0.4	
SW061	08/03/89		Data not yet received										
SW061	09/11/89	4.8 ± .9	.7	9.6 ± 2.1	2.5	1.92 ± .82	0	.35 ± .43	.41	2.79 ± .99	0	.59 ± .44	.64
SW061	10/03/89		Data not yet received										
SW061	10/20/89		DRY										
SW061	11/06/89		Data not yet received										
SW061	12/06/89		Data not yet received										
SW061	01/23/90		Data not yet received										
SW061	02/09/90		Data not yet received										
SW061	03/12/90		Data not yet received										
SW061	03/12/90		Data not yet received										

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW060	07/21/87	0.0 ± 1.1		0.0 ± 1.2		<1.0		<110		NR		NR	
SW060	11/11/87	***											
SW060	07/01/88	0.185 ± 0.141	0.09	NR		NR		0.00 ± 315	500	NR		NR	
SW060	03/16/89	0.02 ± 0.01		0.01 ± 0.02		0.7 ± 0.8		30 ± 150		0.1 ± 0.2		NR	
SW060	03/16/89	0.03 ± 0.02		0.02 ± 0.02		0.1 ± 1.1		170 ± 160		0.3 ± 0.2		NR	
SW060	05/15/89	0.04 ± 0.02		0.00 ± 0.01		-0.4 ± 0.6		300 ± 210		NR		NR	
SW060	05/15/89	0.00 ± 0.01		0.00 ± 0.01		-0.1 ± 0.6		350 ± 210		NR		NR	
SW060	06/09/89	0.02 ± 0.01		0.02 ± 0.01		-0.4 ± 0.6		50 ± 150		0.3 ± 0.2		NR	
SW060	07/06/89	0.03 ± 0.02		0.03 ± 0.02		-0.4 ± 0.5		-40 ± 140		0.2 ± 0.3		NR	
SW060	08/03/89	Data not yet received											
SW060	09/11/89	.012 ± .012	.013	NR		-.85 ± 1.40	2.48	100 ± 220	360	NR		NR	
SW060	09/11/89	.008 ± .007	.007	.019 ± .012	.010	-.28 ± 1.88	3.15	140 ± 230	370	NR		NR	
SW060	10/03/89	Data not yet received											
SW060	11/06/89	Data not yet received											
SW060	11/06/89	Data not yet received											
SW060	12/06/89	Data not yet received											
SW060	01/23/90	Data not yet received											
SW060	02/09/90	Data not yet received											
SW060	03/12/90	Data not yet received											
SW061	07/22/87	0.0 ± .82		0.0 ± 1.2		<1.0		<110		NR		NR	
SW061	11/11/87	***											
SW061	07/01/88	0.0654 ± 0.0795	0.07	NR		NR		0.00 ± 315	500	NR		NR	
SW061	03/20/89	0.04 ± 0.02		0.03 ± 0.02*		-0.2 ± 0.6		-60 ± 150		0.2 ± 0.2		NR	
SW061	05/15/89	0.01 ± 0.01		0.01 ± 0.01		-0.3 ± 0.6		300 ± 210		NR		NR	
SW061	06/09/89	0.05 ± 0.01		0.05 ± 0.03		-0.2 ± 0.7		-30 ± 150		0.5 ± 0.2		NR	
SW061	07/06/89	0.02 ± 0.01		0.01 ± 0.01		0.0 ± 0.6		-20 ± 140		NR		NR	
SW061	08/03/89	Data not yet received											
SW061	09/11/89	.009 ± .006	0	NR		-.14 ± .76	1.29	280 ± 240	380	NR		NR	
SW061	10/03/89	Data not yet received											
SW061	10/20/89	DRY											
SW061	11/06/89	Data not yet received											
SW061	12/06/89	Data not yet received											
SW061	01/23/90	Data not yet received											
SW061	02/09/90	Data not yet received											
SW061	03/12/90	Data not yet received											
SW061	03/12/90	Data not yet received											

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Gross Alpha pCi/l	Gross Alpha mda	Gross Beta pCi/l	Gross Beta mda	Uranium 233, 234 pCi/l	Uranium 233, 234 mda	Uranium 235 pCi/l	Uranium 235 mda	Uranium 238 pCi/l	Uranium 238 mda	Strontium 89,90 pCi/l	Strontium 89,90 mda
SW101	06/30/88	NR		NR		0.978 ± 0.245	0.09	NR		1.21 ± 0.282	0.1	NR	
SW101	04/13/89	190 ± 70		140 ± 30		2.3 ± 0.4		0.1 ± 0.1		1.7 ± 0.4		0.6 ± 0.8	
SW101	05/11/89	780 ± 210		570 ± 100		3.4 ± 0.7		0.3 ± 0.2		3.1 ± 0.6		2.2 ± 0.9	
SW101	06/07/89	170 ± 50		110 ± 20		1.1 ± 0.3		0.1 ± 0.1		0.8 ± 0.3		0.6 ± 0.6	
SW101	07/12/89	26 ± 10	10	21 ± 5	7	1.3 ± 0.3	0.1	0.1 ± 0.1	0.1	0.8 ± 0.3	0.1	0.9 ± 0.7	0.9
SW101	08/09/89	Data not yet received											
SW101	09/14/89	-0.4 ± 0.8	0.8	14 ± 2	2	6.7 ± 1.3	0.2	0.5 ± 0.3	0.1	3.9 ± 0.9	0.2	0.07 ± 0.13	0.5
SW101	10/18/89	Data not yet received											
SW101	11/15/89	Data not yet received											
SW101	12/19/89	Data not yet received											
SW101	01/25/90	Data not yet received											
SW101	02/22/90	Data not yet received											
SW101	03/21/90	Data not yet received											

East Trenches Area

SW024	08/19/86	5 ± 4		3 ± 3		2.1 ± 0.4		NR		2.2 ± 0.4		NR	
SW025	08/19/86	6 ± 5		9 ± 4		1.8 ± 0.3		NR		1.5 ± 0.3		NR	
SW025	08/17/89	Data not yet received											
SW025	08/17/89	Data not yet received											
SW025	09/21/89	Data not yet received											
SW065	07/07/88	NR		NR		7.05 ± 0.985	0.2	NR		6.25 ± 0.917	0.1	NR	
SW065	04/05/89	54 ± 20		33 ± 7		7.3 ± 0.6		0.3 ± 0.1		5.6 ± 0.5		-0.1 ± 0.4	
SW065	05/26/89	5 ± 5		18 ± 3		0.9 ± 0.2		0.0 ± 0.1		0.8 ± 0.2		0.1 ± 0.4	
SW065	06/20/89	13 ± 14	4	11 ± 3	4	4.5 ± 0.6	0.	0.7 ± 0.2	0.	4.0 ± 0.5	0.	0.2 ± 0.3	0.
SW065	07/17/89	Data not yet received											
SW065	08/15/89	Data not yet received											
SW065	09/20/89	10.0 ± 1.8	1.6	15.1 ± 2.5	2.8	6.92 ± 1.28	.52	.33 ± .27	0	6.48 ± 1.20	0	.49 ± .31	.43
SW065	10/12/89	Data not yet received											
SW065	11/07/89	Data not yet received											
SW065	12/07/89	Data not yet received											
SW065	01/18/90	Data not yet received											
SW065	02/23/90	Data not yet received											
SW102	07/08/88	NR		NR		2.88 ± 0.369	0.09	NR		2.14 ± 0.317	0.08	NR	

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Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

Mound Area

Station Number	Date Sampled	Plutonium 239 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW101	06/30/88	0.0463 ± 0.116	0.2	NR		NR		0.00 ± 302	500	NR		NR	
SW101	04/13/89	0.57 ± 0.04		0.36 ± 0.10		0.1 ± 0.8		30 ± 150		4.1 ± 0.5		7.0 ± 3.0	
SW101	05/11/89	3.3 ± 0.1		0.44 ± 0.08		-0.3 ± 0.5		180 ± 150		5.8 ± 1.5		**	
SW101	06/07/89	0.71 ± 0.04		0.17 ± 0.04		0.2 ± 0.6		60 ± 210		0.9 ± 0.2		NR	
SW101	07/12/89	0.37 ± 0.03	0.01	0.00 ± 0.01	0.01	0.3 ± 0.6	0.9	-50 ± 150	250	1.3 ± 0.4	0.4	NR	
SW101	08/09/89	Data not yet received											
SW101	09/14/89	0.002 ± 0.004	0.006	0.004 ± 0.008	0.01	-0.03 ± 0.08	0.2	-300 ± 300	400	NR		NR	
SW101	10/18/89	Data not yet received											
SW101	11/15/89	Data not yet received											
SW101	12/19/89	Data not yet received											
SW101	01/25/90	Data not yet received											
SW101	02/22/90	Data not yet received											
SW101	03/21/90	Data not yet received											

East Trenches Area

SW024	08/19/86	-0.02 ± 0.09		0.01 ± 0.02		NR		-0.04 ± 0.24		NR		NR	
SW025	08/19/86	0.05 ± 0.07		-0.01 ± 0.05		NR		-0.04 ± 0.24		NR		NR	
SW025	08/17/89	Data not yet received											
SW025	08/17/89	Data not yet received											
SW025	09/21/89	Data not yet received											
SW065	07/07/88	0.00 ± 0.217	0.4	NR		NR		197 ± 302	500	NR		NR	
SW065	04/05/89	1.5 ± 0.1		0.24 ± 0.05		-0.1 ± 0.7		130 ± 150		0.8 ± 0.3		NR	
SW065	05/26/89	0.07 ± 0.02		0.02 ± 0.02		-0.3 ± 0.6		60 ± 210		0.2 ± 0.2		NR	
SW065	06/20/89	0.11 ± 0.02	0.	0.04 ± 0.02	0.	0.1 ± 0.5	0.	300 ± 240	31	0.5 ± 0.3	2.	NR	
SW065	07/17/89	Data not yet received											
SW065	08/15/89	Data not yet received											
SW065	09/20/89	10.541 ± .191	0	.320 ± .075	0	-.18 ± .74	1.25	70 ± 240	390	NR		NR	
SW065	10/12/89	Data not yet received											
SW065	11/07/89	Data not yet received											
SW065	12/07/89	Data not yet received											
SW065	01/18/90	Data not yet received											
SW065	02/23/90	Data not yet received											
SW102	07/08/88	0.00 ± 0.116	0.2	NR		NR		563 ± 308	500	NR		NR	

VALUE QUALIFIERS: NR = Analyte not requested or analyte data not yet received
*** = Insufficient Sample or Radiochemistry Analyses not requested.
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Gross Alpha pCi/l	Gross Alpha mda	Gross Beta pCi/l	Gross Beta mda	Uranium 233, 234 pCi/l	Uranium 233, 234 mda	Uranium 235 pCi/l	Uranium 235 mda	Uranium 238 pCi/l	Uranium 238 mda	Strontium 89,90 pCi/l	Strontium 89,90 mda
SW102	04/11/89		DRY										
SW102	05/08/89		DRY										
SW102	06/06/89		DRY										
SW102	07/11/89		DRY										
SW102	08/08/89		DRY										
SW102	09/12/89	NR		NR		2.48 ± 1.05	.5	.10 ± .21	0	1.65 ± .83	0	.25 ± .29	.45
SW102	10/04/89		DRY										
SW102	10/16/89		DRY										
SW102	11/14/89		DRY										
SW102	12/18/89		DRY										
SW102	01/26/90		DRY										
SW102	02/22/90		DRY										
SW102	03/20/90		Data not yet received										
SW103	07/11/88	NR		NR		4.18 ± 0.625	0.1	NR		3.15 ± 0.530	0.07	NR	
SW103	03/23/89	53 ± 39		55 ± 18		4.2 ± 0.7		0.0 ± 0.1		2.8 ± 0.5		-0.5 ± 0.6	
SW103	05/25/89	36 ± 18		38 ± 10		1.6 ± 0.4		0.0 ± 0.1		0.8 ± 0.3		-0.1 ± 0.4	
SW103	06/15/89	0 ± 1		1 ± 2		0.0 ± 0.1		0.0 ± 0.1		0.1 ± 0.1		-0.1 ± 0.5	
SW103	07/13/89		Data not yet received										
SW103	08/02/89		Data not yet received										
SW103	09/07/89	14.0 ± 3.3	2.9	18.8 ± 3.0	3.4	1.20 ± .39	0	.13 ± .13	0	1.36 ± .41	0	.37 ± .38	.60
SW103	10/03/89		Data not yet received										
SW103	11/03/89		Data not yet received										
SW103	12/06/89		Data not yet received										
SW103	01/18/90		Data not yet received										
SW103	02/12/90		Data not yet received										
SW103	03/22/90		Data not yet received										

VALUE QUALIFIERS: NR = Analyte not requested or analyte data not yet received
*** = Insufficient Sample or Radiochemistry Analyses not requested.
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Radiochemistry Surface Water Sampling Results

East Trenches Area

Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW102	04/11/89	DRY											
SW102	05/08/89	DRY											
SW102	06/06/89	DRY											
SW102	07/11/89	DRY											
SW102	08/08/89	DRY											
SW102	09/12/89	.030 ± .010	.003	NR		-.017 ± .67	1.14	320 ± 250	400	NR		NR	
SW102	10/04/89	DRY											
SW102	10/16/89	DRY											
SW102	11/14/89	DRY											
SW102	12/18/89	DRY											
SW102	01/26/90	DRY											
SW102	02/22/90	DRY											
SW102	03/20/90	Data not yet received											
SW103	07/11/88	0.0928 ± 0.0920	0.1	NR		NR		458 ± 290	500	NR		NR	
SW103	03/23/89	0.74 ± 0.05		0.10 ± 0.04		0.0 ± 0.7		160 ± 160		6.2 ± 0.6		7.9 ± 4.4	
SW103	05/25/89	1.4 ± 0.1		0.12 ± 0.02		-0.4 ± 0.6		200 ± 210		0.7 ± 0.3		NR	
SW103	06/15/89	0.01 ± 0.01		0.00 ± 0.02		-0.4 ± 0.7		100 ± 230		NR		NR	
SW103	07/13/89	Data not yet received											
SW103	08/02/89	Data not yet received											
SW103	09/07/89	.152 ± .035	0	.330 ± .090	0	.43 ± 1.56	2.49	240 ± 390	390	NR		NR	
SW103	10/03/89	Data not yet received											
SW103	11/03/89	Data not yet received											
SW103	12/06/89	Data not yet received											
SW103	01/18/90	Data not yet received											
SW103	02/12/90	Data not yet received											
SW103	03/22/90	Data not yet received											

VALUE QUALIFIERS: NR = Analyte not requested or analyte data not yet received
*** = Insufficient Sample or Radiochemistry Analyses not requested.
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX D

OPERABLE UNIT NO. 2

SURFACE WATER SAMPLING RESULTS ABOVE ARAR VALUES

TABLE D-1
903-PAD LIP SITE
VOLATILE ORGANIC COMPOUND CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			18	0					
Bromomethane	10	U			18	0					
Vinyl Chloride	10	U	2		18	0					
Chloroethane	10	U			18	0					
Methylene Chloride	5	U	5	U	18	3	6	B	1	JB	4
Acetone	10	U	50		18	0					
Carbon Disulfide	5	U	5	U	18	0					
1,1-Dichloroethene	5	U	7		24	5	140		5	U	27
1,1-Dichloroethane	5	U	5	U	18	0					
1,2-Dichloroethene (total)	5	U	5	U	19	2	11		5	U	3
Chloroform	5	U	100		24	0					
1,2-Dichloroethane	5	U	5		24	0					
2-Butanone	10	U			18	0					
1,1,1-Trichloroethane	5	U	200		24	0					
Carbon Tetrachloride	5	U	5		24	6	1005		1	J	62
Vinyl Acetate	10	U			18	0					
Bromodichloromethane	5	U			18	0					
1,2-Dichloropropane	5	U			18	0					
cis-1,3-Dichloropropene	5	U			18	0					
Trichloroethene	5	U	5		24	16	2500		5		132
Dibromochloromethane	5	U			18	0					
1,1,2-Trichloroethane	5	U	5	U	24	0					
Benzene	5	U	5	U	18	0					
Trans-1,3-Dichloropropene	5	U			18	0					
Bromoform	5	U			18	0					
4-Methyl-2-pentanone	10	U			18	0					
2-Hexanone	10	U			18	0					
Tetrachloroethene	5	U	5	U	24	9	65		2	J	15
1,1,2,2-Tetrachloroethane	5	U	1	U	18	0					
Toluene	5	U	2000		18	0					
Chlorobenzene	5	U			18	0					
Ethylbenzene	5	U			18	0					
Styrene	5	U			18	0					
Total Xylenes	5	U			18	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SW050, SW051, SW052, SW055, SW057, SW058, SW077

TABLE D-1 (CONTINUED)
903-PAD LIP SITE
TOTAL RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	9	7	259	< 2.00	87
Gross Beta	9.8880	5.0	9	7	63	< 4.00	28
Strontium 89, 90	2.0400	8.0	4	0			
Plutonium 239, 240	0.0180	.05	14	13	60	< 0.01	17
Americium 241	0.0420	.05	9	3	7.2	< 0.01	0.50
Tritium	257.18	500	18	1	829	<400.00	230
Total Uranium	1.8000*	5.0	18	4	18.1000	1.7700	4.5

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW050, SW051, SW052, SW055, SW057, SW058, SW077

TABLE D-1 (CONTINUED)
903-PAD LIP SITE
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	5	0			
Gross Beta	8.7980	5.0	5	0			
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	5	3	1.06	< 0.01	0.40
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	5	1	5.0200	2.8600	4.0

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW050, SW051, SW052, SW055, SW057, SW058, SW077

TABLE D-1 (CONTINUED)
903-PAD LIP SITE
TOTAL METAL CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	18	6	28.30	.0002 U	4.4058
Antimony (Sb)	0.0600 U	.06	18	0			
Arsenic (As)	0.0100 U	.05	18	0			
Barium (Ba)	0.2000 U	1.0	18	0			
Beryllium (Be)	0.0050 U	.0050	18	1	.0069	.0020 U	0.0005
Cadmium (Cd)	0.0050 U	.01	18	0			
Cesium (Cs)	1.0000 U	1.00	13	0			
Chromium (Cr)	0.0100 U	.05	18	0			
Cobalt (Co)	0.0500 U	.050	18	0			
Copper (Cu)	0.0250 U	.2	18	0			
Iron (Fe)	3.1670	.3	18	13	26.70	.0001 U	3.6847
Lead (Pb)	0.0050 U	.05	18	1	.0576	.0030 U	0.0147
Lithium (Li)	0.1000 U	2.5	13	1	3.20	.0831	0.4036
Manganese (Mn)	0.6360	.05	18	14	.954	.0016	0.1784
Mercury (Hg)	0.0010	.002	18	0			
Molybdenum(Mo)	0.1000 U	.1	13	0			
Nickel (Ni)	0.0400 U	.2	18	0			
Selenium (Se)	0.0050 U	.01	18	1	.0126	.0020 U	0.0032
Silver (Ag)	0.0106 *	.05	18	0			
Strontium (Sr)	0.3820	.382	18	7	.879	.0006	0.3138
Thallium (Tl)	0.0500 U	.05 U	18	0			
Tin (Sn)	0.1000 U	.1 U	13	2	.141	.100 U	0.0115
Vanadium (V)	0.0500 U	.1	18	0			
Zinc (Zn)	0.0276	2.0	18	2	2.84	.00003	0.2829

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW050, SW051, SW052, SW055, SW057, SW058, SW077

TABLE D-1 (CONTINUED)
903-PAD LIP SITE
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 *	5.0	24	0			
Antimony (Sb)	0.0600 U	0.06 U	18	0			
Arsenic (As)	0.0100 U	0.05	18	0			
Barium (Ba)	0.2000 U	1.0	24	0			
Beryllium (Be)	0.0050 U	.005	18	0			
Cadmium (Cd)	0.0050 U	0.01	18	0			
Cesium (Cs)	1.0000 U	1.0	13	0			
Chromium (Cr)	0.0100 U	0.05	24	0			
Cobalt (Co)	0.0500 U	0.05	24	0			
Copper (Cu)	0.0250 U	0.2	24	0			
Iron (Fe)	1.7800 •	0.3	24	4	1.48	.0554	0.1581
Lead (Pb)	0.0055 •	0.05	18	0			
Lithium (Li)	0.1000 U	2.5	13	0			
Manganese (Mn)	0.3680 •	0.05	24	17	1.64	0.015 U	0.2427
Mercury (Hg)	0.0003 *	0.002	18	0			
Molybdenum(Mo)	0.1000 U	0.1	19	1	0201	0.04 U	3.6001
Nickel (Ni)	0.0400 U	0.20	24	0			
Selenium (Se)	0.0050 U	0.01	18	1	.0134	.0020 U	0.0031
Silver (Ag)	0.0100 U	0.05	24	0			
Strontium (Sr)	0.3960	.396	24	13	.918	.389	0.4180
Thallium (Tl)	0.0100 U	0.01 U	18	0			
Tin (Sn)	0.1000 U	0.1	13	0			
Vanadium (V)	0.0500 U	0.1	24	0			
Zinc (Zn)	0.0320 •	2.0	24	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW050, SW051, SW052, SW055, SW057, SW058, SW077

TABLE D-1 (CONTINUED)
903-PAD LIP SITE
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	27	1	24	0.06	2.612
Chloride	106.94	250	27	0			
Sulfate	48.81	250	27	0			
Total Dissolved Solids	271.15	400	27	22	790	332	479
HCO3-	296.97	390	27	12	600	220	357

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW050, SW051, SW052, SW055, SW057, SW058, SW077

TABLE
STATION 53
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			7	0					
Bromomethane	10	U			7	0					
Vinyl Chloride	10	U	2		7	0					
Chloroethane	10	U			7	0					
Methylene Chloride	5	U	5	U	7	2	9	B	5	B	4
Acetone	10	U	50		7	0					
Carbon Disulfide	5	U	5	U	7	0					
1,1-Dichloroethene	5	U	7		8	0					
1,1-Dichloroethane	5	U	5	U	7	0					
1,2-Dichloroethene (total)	5	U	5	U	7	3	42		5	U	15
Chloroform	5	U	100		8	0					
1,2-Dichloroethane	5	U	5		8	0					
2-Butanone	10	U			7	0					
1,1,1-Trichloroethane	5	U	200		8	0					
Carbon Tetrachloride	5	U	5		8	0					
Vinyl Acetate	10	U			7	0					
Bromodichloromethane	5	U			7	0					
1,2-Dichloropropane	5	U			7	0					
cis-1,3-Dichloropropene	5	U			7	0					
Trichloroethene	5	U	5		8	1	13		1	J	4
Dibromochloromethane	5	U			7	0					
1,1,2-Trichloroethane	5	U	5	U	8	0					
Benzene	5	U	5	U	7	0					
Trans-1,3-Dichloropropene	5	U			7	0					
Bromoform	5	U			7	0					
4-Methyl-2-pentanone	10	U			7	0					
2-Hexanone	10	U			7	0					
Tetrachloroethene	5	U	5	U	8	0					
1,1,2,2-Tetrachloroethane	5	U	1	U	7	0					
Toluene	5	U	2000		7	0					
Chlorobenzene	5	U			7	0					
Ethylbenzene	5	U			7	0					
Styrene	5	U			7	0					
Total Xylenes	5	U			7	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SW053

TABLE D-2 (CONTINUED)
STATION 53
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	4	3	230	3.2	125
Gross Beta	9.8880	5.0	4	3	14	< 4.00	7.8
Strontium 89, 90	2.0400	8.0	4	0			
Plutonium 239, 240	0.0180	.05	5	5	56	< 0.01	20
Americium 241	0.0420	.05	4	3	28	< 0.01	9.5
Tritium	257.18	500	5	0			
Total Uranium	1.8000*	5.0	5	2	8.4700	< 1.80	5.2

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW053

TABLE D-2 (CONTINUED)
STATION 53
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	2	1	8.48	< 2.00	4.7
Gross Beta	8.7980	5.0	2	1	7	< 4.00	4.5
Strontium 89, 90	1.3980	8.0	1	0			
Plutonium 239, 240	0.0000	.05	2	2	1.89	< 0.01	1.0
Americium 241	0.0130	.05	1	0			
Total Uranium	1.8000*	5.0	2	1	7.2600	2.0000	4.6

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW053

TABLE D-2 (CONTINUED)
STATION 53
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	6	1	6.62	.200 U	1.7560
Antimony (Sb)	0.0600 U	.06	6	0			
Arsenic (As)	0.0100 U	.05	6	0			
Barium (Ba)	0.2000 U	1.0	6	0			
Beryllium (Be)	0.0050 U	.0050	6	1	.0055	.005 U	0.0009
Cadmium (Cd)	0.0050 U	.01	6	0			
Cesium (Cs)	1.0000 U	1.00	5	0			
Chromium (Cr)	0.0100 U	.05	6	0			
Cobalt (Co)	0.0500 U	.050	6	0			
Copper (Cu)	0.0250 U	.2	6	0			
Iron (Fe)	3.1670	.3	6	6	22.30	5.06	8.8400
Lead (Pb)	0.0050 U	.05	7	1	.0623	.0030 U	0.0089
Lithium (Li)	0.1000 U	2.5	5	0			
Manganese (Mn)	0.6360	.05	6	6	.719	.467	0.5873
Mercury (Hg)	0.0010	.002	6	0			
Molybdenum(Mo)	0.1000 U	.1	5	0			
Nickel (Ni)	0.0400 U	.2	6	0			
Selenium (Se)	0.0050 U	.01	6	0			
Silver (Ag)	0.0106 *	.05	6	0			
Strontium (Sr)	0.3820	.382	6	3	.847	.796	0.4575
Thallium (Tl)	0.0500 U	.05 U	6	0			
Tin (Sn)	0.1000 U	.1 U	5	1	.109	.100 U	0.0099
Vanadium (V)	0.0500 U	.1	6	0			
Zinc (Zn)	0.0276	2.0	6	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW053

TABLE D-2 (CONTINUED)
STATION 53
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 *	5.0	8	0			
Antimony (Sb)	0.0600 U	0.06 U	7	1	.133	.040 U	0.0447
Arsenic (As)	0.0100 U	0.05	7	0			
Barium (Ba)	0.2000 U	1.0	8	0			
Beryllium (Be)	0.0050 U	.005	7	0			
Cadmium (Cd)	0.0050 U	0.01	7	0			
Cesium (Cs)	1.0000 U	1.0	6	0			
Chromium (Cr)	0.0100 U	0.05	8	0			
Cobalt (Co)	0.0500 U	0.05	8	0			
Copper (Cu)	0.0250 U	0.2	8	0			
Iron (Fe)	1.7800 *	0.3	8	6	8.54	0.1 U	2.4196
Lead (Pb)	0.0055 *	0.05	7	0			
Lithium (Li)	0.1000 U	2.5	5	0			
Manganese (Mn)	0.3680 *	0.05	8	8	.706	0.087	0.4495
Mercury (Hg)	0.0003 *	0.002	7	0			
Molybdenum(Mo)	0.1000 U	0.1	6	0			
Nickel (Ni)	0.0400 U	0.20	8	0			
Selenium (Se)	0.0050 U	0.01	7	0			
Silver (Ag)	0.0100 U	0.05	8	0			
Strontium (Sr)	0.3960	.396	7	4	.817	0.69	0.4389
Thallium (Tl)	0.0100 U	0.01 U	7	0			
Tin (Sn)	0.1000 U	0.1	5	0			
Vanadium (V)	0.0500 U	0.1	8	0			
Zinc (Zn)	0.0320 *	2.0	8	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW053

TABLE D-2 (CONTINUED)
STATION 53
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	10	0			
Chloride	106.94	250	10	0			
Sulfate	48.81	250	10	0			
Total Dissolved Solids	271.15	400	10	10	666	460	534
HCO3-	296.97	390	10	9	710	370	473

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank

Minimum, Maximum, and Average based on all availabe data.

Wells/Stations in this group: SW053

TABLE
STATION 62
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			8	0					
Bromomethane	10	U			8	0					
Vinyl Chloride	10	U	2		8	0					
Chloroethane	10	U			8	0					
Methylene Chloride	5	U	5	U	8	2	8	B	1	J	3
Acetone	10	U	50		8	0					
Carbon Disulfide	5	U	5	U	8	0					
1,1-Dichloroethene	5	U	7		9	0					
1,1-Dichloroethane	5	U	5	U	8	0					
1,2-Dichloroethene (total)	5	U	5	U	8	0					
Chloroform	5	U	100		9	0					
1,2-Dichloroethane	5	U	5		9	0					
2-Butanone	10	U			8	0					
1,1,1-Trichloroethane	5	U	200		9	0					
Carbon Tetrachloride	5	U	5		9	0					
Vinyl Acetate	10	U			8	1	1	J	1	J	5
Bromodichloromethane	5	U			8	0					
1,2-Dichloropropane	5	U			8	0					
cis-1,3-Dichloropropene	5	U			8	0					
Trichloroethene	5	U	5		9	0					
Dibromochloromethane	5	U			8	0					
1,1,2-Trichloroethane	5	U	5	U	9	0					
Benzene	5	U	5	U	8	0					
Trans-1,3-Dichloropropene	5	U			8	0					
Bromoform	5	U			8	0					
4-Methyl-2-pentanone	10	U			8	0					
2-Hexanone	10	U			8	0					
Tetrachloroethene	5	U	5	U	9	0					
1,1,2,2-Tetrachloroethane	5	U	1	U	8	0					
Toluene	5	U	2000		8	0					
Chlorobenzene	5	U			8	0					
Ethylbenzene	5	U			8	0					
Styrene	5	U			8	0					
Total Xylenes	5	U			8	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW062

TABLE D-3 (CONTINUED)
STATION 62
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	5	1	100	< 2.00	22
Gross Beta	9.8880	5.0	5	1	100	2	22
Strontium 89, 90	2.0400	8.0	4	0			
Plutonium 239, 240	0.0180	.05	6	2	1.3	< 0.01	0.26
Americium 241	0.0420	.05	5	0			
Tritium	257.18	500	6	0			
Total Uranium	1.8000*	5.0	6	2	8.3000	< 1.80	4.2

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW062

TABLE D-3 (CONTINUED)
STATION 62
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	2	1	7.16	3	5.1
Gross Beta	8.7980	5.0	2	1	11.1	3	7.0
Strontium 89, 90	1.3980	8.0	1	0			
Plutonium 239, 240	0.0000	.05	2	0			
Americium 241	0.0130	.05	1	0			
Total Uranium	1.8000*	5.0	2	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW062

TABLE D-3 (CONTINUED)
STATION 62
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR. Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	8	0			
Antimony (Sb)	0.0600 U	.06	8	0			
Arsenic (As)	0.0100 U	.05	8	0			
Barium (Ba)	0.2000 U	1.0	8	0			
Beryllium (Be)	0.0050 U	.0050	8	0			
Cadmium (Cd)	0.0050 U	.01	8	0			
Cesium (Cs)	1.0000 U	1.00	7	0			
Chromium (Cr)	0.0100 U	.05	8	0			
Cobalt (Co)	0.0500 U	.050	8	0			
Copper (Cu)	0.0250 U	.2	8	0			
Iron (Fe)	3.1670	.3	8	6	3.64	.100 U	1.0679
Lead (Pb)	0.0050 U	.05	8	0			
Lithium (Li)	0.1000 U	2.5	7	0			
Manganese (Mn)	0.6360	.05	8	6	1.35	.0150 U	0.1900
Mercury (Hg)	0.0010	.002	8	0			
Molybdenum(Mo)	0.1000 U	.1	7	0			
Nickel (Ni)	0.0400 U	.2	8	0			
Selenium (Se)	0.0050 U	.01	8	0			
Silver (Ag)	0.0106 •	.05	8	0			
Strontium (Sr)	0.3820	.382	8	1	.416	.132	0.1781
Thallium (Tl)	0.0500 U	.05 U	8	0			
Tin (Sn)	0.1000 U	.1 U	7	0			
Vanadium (V)	0.0500 U	.1	8	0			
Zinc (Zn)	0.0276	2.0	8	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW062

TABLE D-3 (CONTINUED)
STATION 62
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 •	5.0	9	0			
Antimony (Sb)	0.0600 U	0.06 U	8	0			
Arsenic (As)	0.0100 U	0.05	8	0			
Barium (Ba)	0.2000 U	1.0	9	0			
Beryllium (Be)	0.0050 U	.005	8	0			
Cadmium (Cd)	0.0050 U	0.01	8	0			
Cesium (Cs)	1.0000 U	1.0	7	0			
Chromium (Cr)	0.0100 U	0.05	9	0			
Cobalt (Co)	0.0500 U	0.05	9	0			
Copper (Cu)	0.0250 U	0.2	9	0			
Iron (Fe)	1.7800 *	0.3	9	2	0.445	0.1 U	0.1081
Lead (Pb)	0.0055 *	0.05	8	0			
Lithium (Li)	0.1000 U	2.5	7	0			
Manganese (Mn)	0.3680 •	0.05	9	5	.579	.0150 U	0.1684
Mercury (Hg)	0.0003 *	0.002	8	0			
Molybdenum(Mo)	0.1000 U	0.1	8	0			
Nickel (Ni)	0.0400 U	0.20	9	0			
Selenium (Se)	0.0050 U	0.01	8	0			
Silver (Ag)	0.0100 U	0.05	9	0			
Strontium (Sr)	0.3960	.396	9	1	0.97	.127	0.2120
Thallium (Tl)	0.0100 U	0.01 U	8	0			
Tin (Sn)	0.1000 U	0.1	7	0			
Vanadium (V)	0.0500 U	0.1	9	0			
Zinc (Zn)	0.0320 *	2.0	9	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SW062

TABLE D-3 (CONTINUED)
STATION 62
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	11	0			
Chloride	106.94	250	11	0			
Sulfate	48.81	250	11	1	270	21	83
Total Dissolved Solids	271.15	400	11	4	820	150	459
HCO3-	296.97	390	11	1	540	68	259

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW062

TABLE [illegible]
STATION 63
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values**
Chloromethane	10 U		1	0			
Bromomethane	10 U		1	0			
Vinyl Chloride	10 U	2	1	0			
Chloroethane	10 U		1	0			
Methylene Chloride	5 U	5 U	1	0			
Acetone	10 U	50	1	0			
Carbon Disulfide	5 U	5 U	1	0			
1,1-Dichloroethene	5 U	7	2	0			
1,1-Dichloroethane	5 U	5 U	1	0			
1,2-Dichloroethene (total)	5 U	5 U	1	0			
Chloroform	5 U	100	2	0			
1,2-Dichloroethane	5 U	5	2	0			
2-Butanone	10 U		1	0			
1,1,1-Trichloroethane	5 U	200	2	0			
Carbon Tetrachloride	5 U	5	2	1	17	5 U	10
Vinyl Acetate	10 U		1	0			
Bromodichloromethane	5 U		1	0			
1,2-Dichloropropane	5 U		1	0			
cis-1,3-Dichloropropene	5 U		1	0			
Trichloroethene	5 U	5	2	1	14	5 U	8
Dibromochloromethane	5 U		1	0			
1,1,2-Trichloroethane	5 U	5 U	2	0			
Benzene	5 U	5 U	1	0			
Trans-1,3-Dichloropropene	5 U		1	0			
Bromoform	5 U		1	0			
4-Methyl-2-pentanone	10 U		1	0			
2-Hexanone	10 U		1	0			
Tetrachloroethene	5 U	5 U	2	0			
1,1,2,2-Tetrachloroethane	5 U	1 U	1	0			
Toluene	5 U	2000	1	0			
Chlorobenzene	5 U		1	0			
Ethylbenzene	5 U		1	0			
Styrene	5 U		1	0			
Total Xylenes	5 U		1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW063

TABLE D-4 (CONTINUED)
STATION 63
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	0	0			
Gross Beta	9.8880	5.0	0	0			
Strontium 89, 90	2.0400	8.0	0	0			
Plutonium 239, 240	0.0180	.05	1	1	0.242	0.242	0.24
Americium 241	0.0420	.05	0	0			
Tritium	257.18	500	1	1	1100	1100	1100
Total Uranium	1.8000*	5.0	1	1	20.5000	20.5000	21

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. *If a datum indicates a less than (<) value, or the counting error* for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW063

TABLE D-4 (CONTINUED)
STATION 63
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	1	1	8.25	8.25	8.3
Gross Beta	8.7980	5.0	1	1	18.9	18.9	19
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	1	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	1	1	17.7900	< 1.80	18

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW063

TABLE D-4 (CONTINUED)
STATION 63
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	1	0			
Antimony (Sb)	0.0600 U	.06	1	0			
Arsenic (As)	0.0100 U	.05	1	0			
Barium (Ba)	0.2000 U	1.0	1	0			
Beryllium (Be)	0.0050 U	.0050	1	0			
Cadmium (Cd)	0.0050 U	.01	1	0			
Cesium (Cs)	1.0000 U	1.00	0	0			
Chromium (Cr)	0.0100 U	.05	1	0			
Cobalt (Co)	0.0500 U	.050	1	0			
Copper (Cu)	0.0250 U	.2	1	0			
Iron (Fe)	3.1670	.3	1	1	1.32	1.32	0.2200
Lead (Pb)	0.0050 U	.05	1	0			
Lithium (Li)	0.1000 U	2.5	0	0			
Manganese (Mn)	0.6360	.05	1	1	0.465	0.465	0.4650
Mercury (Hg)	0.0010	.002	1	0			
Molybdenum(Mo)	0.1000 U	.1	0	0			
Nickel (Ni)	0.0400 U	.2	1	0			
Selenium (Se)	0.0050 U	.01	1	1	0.011	0.011	0.0110
Silver (Ag)	0.0106 *	.05	1	0			
Strontium (Sr)	0.3820	.382	1	1	1.25	1.25	1.2500
Thallium (Tl)	0.0500 U	.05 U	1	0			
Tin (Sn)	0.1000 U	.1 U	0	0			
Vanadium (V)	0.0500 U	.1	1	0			
Zinc (Zn)	0.0276	2.0	1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW063

TABLE D-4 (CONTINUED)
STATION 63
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 •	5.0	2	0			
Antimony (Sb)	0.0600 U	0.06 U	1	0			
Arsenic (As)	0.0100 U	0.05	1	0			
Barium (Ba)	0.2000 U	1.0	2	0			
Beryllium (Be)	0.0050 U	.005	1	0			
Cadmium (Cd)	0.0050 U	0.01	1	0			
Cesium (Cs)	1.0000 U	1.0	0	0			
Chromium (Cr)	0.0100 U	0.05	2	0			
Cobalt (Co)	0.0500 U	0.05	2	0			
Copper (Cu)	0.0250 U	0.2	2	0			
Iron (Fe)	1.7800 •	0.3	2	0			
Lead (Pb)	0.0055 *	0.05	1	0			
Lithium (Li)	0.1000 U	2.5	0	0			
Manganese (Mn)	0.3680 *	0.05	2	2	0.412	0.393	0.4025
Mercury (Hg)	0.0003 •	0.002	1	0			
Molybdenum(Mo)	0.1000 U	0.1	1	0			
Nickel (Ni)	0.0400 U	0.20	2	0			
Selenium (Se)	0.0050 U	0.01	1	0			
Silver (Ag)	0.0100 U	0.05	2	0			
Strontium (Sr)	0.3960	.396	2	2	1.25	1.07	1.1600
Thallium (Tl)	0.0100 U	0.01 U	1	0			
Tin (Sn)	0.1000 U	0.1	0	0			
Vanadium (V)	0.0500 U	0.1	2	0			
Zinc (Zn)	0.0320 *	2.0	2	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW063

TABLE D-4 (CONTINUED)
STATION 63
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	2	0			
Chloride	106.94	250	2	0			
Sulfate	48.81	250	2	0			
Total Dissolved Solids	271.15	400	2	2	675	651	663
HCO3-	296.97	390	2	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW063

TABLE [illegible]5
STATION 64
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			3	0					
Bromomethane	10	U			3	0					
Vinyl Chloride	10	U	2		3	0					
Chloroethane	10	U			3	0					
Methylene Chloride	5	U	5	U	3	1	9	B	5	U	5
Acetone	10	U	50		3	0					
Carbon Disulfide	5	U	5	U	3	1	6		5	U	4
1,1-Dichloroethene	5	U	7		4	0					
1,1-Dichloroethane	5	U	5	U	3	0					
1,2-Dichloroethene (total)	5	U	5	U	3	0					
Chloroform	5	U	100		4	0					
1,2-Dichloroethane	5	U	5		4	0					
2-Butanone	10	U			3	0					
1,1,1-Trichloroethane	5	U	200		4	0					
Carbon Tetrachloride	5	U	5		4	0					
Vinyl Acetate	10	U			3	0					
Bromodichloromethane	5	U			3	0					
1,2-Dichloropropane	5	U			3	0					
cis-1,3-Dichloropropene	5	U			3	0					
Trichloroethene	5	U	5		4	3	20		5	U	13
Dibromochloromethane	5	U			3	0					
1,1,2-Trichloroethane	5	U	5	U	4	0					
Benzene	5	U	5	U	3	0					
Trans-1,3-Dichloropropene	5	U			3	0					
Bromoform	5	U			3	0					
4-Methyl-2-pentanone	10	U			3	0					
2-Hexanone	10	U			3	0					
Tetrachloroethene	5	U	5	U	4	0					
1,1,2,2-Tetrachloroethane	5	U	1	U	3	0					
Toluene	5	U	2000		3	0					
Chlorobenzene	5	U			3	0					
Ethylbenzene	5	U			3	0					
Styrene	5	U			3	0					
Total Xylenes	5	U			3	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SW064

TABLE D-5 (CONTINUED)
STATION 64
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	1	1	34	34	34
Gross Beta	9.8880	5.0	1	1	93	93	93
Strontium 89, 90	2.0400	8.0	1	0			
Plutonium 239, 240	0.0180	.05	2	0			
Americium 241	0.0420	.05	1	0			
Tritium	257.18	500	3	0			
Total Uranium	1.8000*	5.0	3	2	23.5900	< 1.80	13

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW064

TABLE D-5 (CONTINUED)
STATION 64
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	1	0			
Gross Beta	8.7980	5.0	1	1	7.20	7.20	7.2
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	1	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	1	1	15.5300	< 1.80	16

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW064

TABLE D-5 (CONTINUED)
STATION 64
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	3	1	15.4	.446	5.6147
Antimony (Sb)	0.0600 U	.06	3	0			
Arsenic (As)	0.0100 U	.05	3	0			
Barium (Ba)	0.2000 U	1.0	3	0			
Beryllium (Be)	0.0050 U	.0050	3	0			
Cadmium (Cd)	0.0050 U	.01	3	0			
Cesium (Cs)	1.0000 U	1.00	2	0			
Chromium (Cr)	0.0100 U	.05	3	0			
Cobalt (Co)	0.0500 U	.050	3	0			
Copper (Cu)	0.0250 U	.2	3	0			
Iron (Fe)	3.1670	.3	3	3	17.1	.920	6.3633
Lead (Pb)	0.0050 U	.05	3	0			
Lithium (Li)	0.1000 U	2.5	2	0			
Manganese (Mn)	0.6360	.05	3	3	0.368	.0515	0.1579
Mercury (Hg)	0.0010	.002	3	0			
Molybdenum(Mo)	0.1000 U	.1	2	0			
Nickel (Ni)	0.0400 U	.2	3	0			
Selenium (Se)	0.0050 U	.01	3	1	.0115	.0050 U	0.0055
Silver (Ag)	0.0106 *	.05	3	0			
Strontium (Sr)	0.3820	.382	3	3	1.36	1.14	1.2333
Thallium (Tl)	0.0500 U	.05 U	3	0			
Tin (Sn)	0.1000 U	.1 U	2	0			
Vanadium (V)	0.0500 U	.1	3	0			
Zinc (Zn)	0.0276	2.0	3	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SW064

TABLE D-5 (CONTINUED)
STATION 64
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 *	5.0	4	0			
Antimony (Sb)	0.0600 U	0.06 U	3	0			
Arsenic (As)	0.0100 U	0.05	3	0			
Barium (Ba)	0.2000 U	1.0	4	0			
Beryllium (Be)	0.0050 U	.005	3	0			
Cadmium (Cd)	0.0050 U	0.01	3	0			
Cesium (Cs)	1.0000 U	1.0	2	0			
Chromium (Cr)	0.0100 U	0.05	4	0			
Cobalt (Co)	0.0500 U	0.05	4	0			
Copper (Cu)	0.0250 U	0.2	4	0			
Iron (Fe)	1.7800 *	0.3	4	0			
Lead (Pb)	0.0055 *	0.05	3	0			
Lithium (Li)	0.1000 U	2.5	2	0			
Manganese (Mn)	0.3680 *	0.05	4	1	0.074	0.015 U	0.0355
Mercury (Hg)	0.0003 *	0.002	3	0			
Molybdenum(Mo)	0.1000 U	0.1	3	0			
Nickel (Ni)	0.0400 U	0.20	4	0			
Selenium (Se)	0.0050 U	0.01	3	1	.0130	0.005 U	0.0060
Silver (Ag)	0.0100 U	0.05	4	0			
Strontium (Sr)	0.3960	.396	4	4	1.17	1.02	1.1075
Thallium (Tl)	0.0100 U	0.01 U	3	0			
Tin (Sn)	0.1000 U	0.1	2	0			
Vanadium (V)	0.0500 U	0.1	4	0			
Zinc (Zn)	0.0320 *	2.0	4	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW064

TABLE D-5 (CONTINUED)
STATION 64
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	4	0			
Chloride	106.94	250	4	0			
Sulfate	48.81	250	4	0			
Total Dissolved Solids	271.15	400	4	4	720	660	694
HCO3-	296.97	390	4	4	580	404	484

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW064

TABLE 6
SOUTH INTERCEPTOR DITCH
VOLATILE ORGANIC COMPOUND CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			33	0					
Bromomethane	10	U			33	0					
Vinyl Chloride	10	U	2		33	0					
Chloroethane	10	U			33	0					
Methylene Chloride	5	U	5	U	33	11	34	B	1	JB	7
Acetone	10	U	50		33	0					
Carbon Disulfide	5	U	5	U	33	0					
1,1-Dichloroethene	5	U	7		36	0					
1,1-Dichloroethane	5	U	5	U	33	0					
1,2-Dichloroethene (total)	5	U	5	U	30	0					
Chloroform	5	U	100		36	0					
1,2-Dichloroethane	5	U	5		36	0					
2-Butanone	10	U			33	0					
1,1,1-Trichloroethane	5	U	200		36	0					
Carbon Tetrachloride	5	U	5		36	1	7		4	U	3
Vinyl Acetate	10	U			33	1	1	J	1	J	5
Bromodichloromethane	5	U			33	0					
1,2-Dichloropropane	5	U			33	0					
cis-1,3-Dichloropropene	5	U			33	0					
Trichloroethene	5	U	5		36	0					
Dibromochloromethane	5	U			33	0					
1,1,2-Trichloroethane	5	U	5	U	36	0					
Benzene	5	U	5	U	33	0					
Trans-1,3-Dichloropropene	5	U			33	0					
Bromoform	5	U			33	0					
4-Methyl-2-pentanone	10	U			33	0					
2-Hexanone	10	U			33	0					
Tetrachloroethene	5	U	5	U	36	0					
1,1,2,2-Tetrachloroethane	5	U	1	U	33	0					
Toluene	5	U	2000		33	0					
Chlorobenzene	5	U			33	0					
Ethylbenzene	5	U			33	1	5		5	U	3
Styrene	5	U			33	0					
Total Xylenes	5	U			33	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SW027, SW030, SW054, SW070

TABLE D-6 (CONTINUED)
SOUTH INTERCEPTOR DITCH
TOTAL RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	17	8	33	1	9.2
Gross Beta	9.8880	5.0	17	15	61	< 4.00	14
Strontium 89, 90	2.0400	8.0	15	0			
Plutonium 239, 240	0.0180	.05	22	5	3.7	< 0.01	0.29
Americium 241	0.0420	.05	17	4	0.14	< 0.01	0.043
Tritium	257.18	500	22	1	901	<400.00	229
Total Uranium	1.8000*	5.0	22	16	21.9000	1.1600	8.0

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW027, SW030, SW054, SW070

TABLE D-6 (CONTINUED)
SOUTH INTERCEPTOR DITCH
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

					Reported when the maximum value exceeds ARAR		
Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	9	7	15.0	< 2.00	9.1
Gross Beta	8.7980	5.0	9	8	29.1	4	12
Strontium 89, 90	1.3980	8.0	4	0			
Plutonium 239, 240	0.0000	.05	9	2	0.110	< 0.01	0.032
Americium 241	0.0130	.05	4	0			
Total Uranium	1.8000*	5.0	9	7	11.0400	< 1.80	6.8

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW027, SW030, SW054, SW070

TABLE D-6 (CONTINUED)
SOUTH INTERCEPTOR DITCH
TOTAL METAL CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	32	3	50	.154	4.0641
Antimony (Sb)	0.0600 U	.06	32	1	.416	.0600 U	0.0421
Arsenic (As)	0.0100 U	.05	32	0			
Barium (Ba)	0.2000 U	1.0	32	0			
Beryllium (Be)	0.0050 U	.0050	32	1	.0131	0.002 U	0.0005
Cadmium (Cd)	0.0050 U	.01	32	1	.0142	0.004 U	0.0009
Cesium (Cs)	1.0000 U	1.00	27	0			
Chromium (Cr)	0.0100 U	.05	32	2	.0612	.0100 U	0.0042
Cobalt (Co)	0.0500 U	.050	32	0			
Copper (Cu)	0.0250 U	.2	32	0			
Iron (Fe)	3.1670	.3	32	25	50.40	.100 U	3.5303
Lead (Pb)	0.0050 U	.05	32	2	.0744	.0020	0.0056
Lithium (Li)	0.1000 U	2.5	27	0			
Manganese (Mn)	0.6360	.05	32	11	2.02	.0.388	0.1944
Mercury (Hg)	0.0010	.002	32	0			
Molybdenum(Mo)	0.1000 U	.1	27	1	.333	.0100 U	0.0185
Nickel (Ni)	0.0400 U	.2	32	0			
Selenium (Se)	0.0050 U	.01	32	0			
Silver (Ag)	0.0106 •	.05	32	0			
Strontium (Sr)	0.3820	.382	32	10	0.541	.247	0.2539
Thallium (Tl)	0.0500 U	.05 U	32	0			
Tin (Sn)	0.1000 U	.1 U	27	2	1.53	.100 U	0.0314
Vanadium (V)	0.0500 U	.1	32	2	.148	0.010 U	0.0088
Zinc (Zn)	0.0276	2.0	32	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW027, SW030, SW054, SW070

TABLE D-6 (CONTINUED)
SOUTH INTERCEPTOR DITCH
DISSOLVED METAL CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 •	5.0	34	0			
Antimony (Sb)	0.0600 U	0.06 U	33	0			
Arsenic (As)	0.0100 U	0.05	33	0			
Barium (Ba)	0.2000 U	1.0	34	0			
Beryllium (Be)	0.0050 U	.005	32	0			
Cadmium (Cd)	0.0050 U	0.01	33	0			
Cesium (Cs)	1.0000 U	1.0	28	0			
Chromium (Cr)	0.0100 U	0.05	34	0			
Cobalt (Co)	0.0500 U	0.05	34	0			
Copper (Cu)	0.0250 U	0.2	34	0			
Iron (Fe)	1.7800 *	0.3	34	3	.575	0.030 U	0.0689
Lead (Pb)	0.0055 •	0.05	33	1	.114	.0020	0.0062
Lithium (Li)	0.1000 U	2.5	27	0			
Manganese (Mn)	0.3680 *	0.05	34	9	1.18	0.010 U	0.0816
Mercury (Hg)	0.0003 •	0.002	34	0			
Molybdenum(Mo)	0.1000 U	0.1	29	0			
Nickel (Ni)	0.0400 U	0.20	34	0			
Selenium (Se)	0.0050 U	0.01	33	0			
Silver (Ag)	0.0100 U	0.05	34	0			
Strontium (Sr)	0.3960	.396	34	11	0.523	.253	0.2317
Thallium (Tl)	0.0100 U	0.01 U	33	0			
Tin (Sn)	0.1000 U	0.1	26	0			
Vanadium (V)	0.0500 U	0.1	34	0			
Zinc (Zn)	0.0320 •	2.0	35	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW027, SW030, SW054, SW070

TABLE D-6 (CONTINUED)
SOUTH INTERCEPTOR DITCH
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	47	0			
Chloride	106.94	250	46	0			
Sulfate	48.81	250	46	0			
Total Dissolved Solids	271.15	400	46	10	700	180	346
HCO3-	296.97	390	45	2	710	120	209

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW027, SW030, SW054, SW070

TABLE [illegible]
WOMAN CREEK
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			24	0					
Bromomethane	10	U			24	0					
Vinyl Chloride	10	U	2		24	0					
Chloroethane	10	U			24	0					
Methylene Chloride	5	U	5	U	24	3	25	B	1	JB	5
Acetone	10	U	50		24	0					
Carbon Disulfide	5	U	5	U	24	0					
1,1-Dichloroethene	5	U	7		26	0					
1,1-Dichloroethane	5	U	5	U	24	0					
1,2-Dichloroethene (total)	5	U	5	U	22	0					
Chloroform	5	U	100		26	0					
1,2-Dichloroethane	5	U	5		26	0					
2-Butanone	10	U			24	0					
1,1,1-Trichloroethane	5	U	200		26	0					
Carbon Tetrachloride	5	U	5		26	1	7		4	U	3
Vinyl Acetate	10	U			24	2	2	J	1	J	5
Bromodichloromethane	5	U			24	0					
1,2-Dichloropropane	5	U			24	0					
cis-1,3-Dichloropropene	5	U			24	0					
Trichloroethene	5	U	5		26	1	42		4	U	4
Dibromochloromethane	5	U			24	0					
1,1,2-Trichloroethane	5	U	5	U	26	0					
Benzene	5	U	5	U	24	0					
Trans-1,3-Dichloropropene	5	U			24	0					
Bromoform	5	U			24	0					
4-Methyl-2-pentanone	10	U			24	0					
2-Hexanone	10	U			24	0					
Tetrachloroethene	5	U	5	U	26	0					
1,1,2,2-Tetrachloroethane	5	U	1	U	24	0					
Toluene	5	U	2000		24	0					
Chlorobenzene	5	U			24	0					
Ethylbenzene	5	U			24	0					
Styrene	5	U			24	0					
Total Xylenes	5	U			24	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW026, SW028, SW029

TABLE D-7 (CONTINUED)
WOMAN CREEK
TOTAL RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

					Reported when the maximum value exceeds ARAR		
Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	17	0			
Gross Beta	9.8880	5.0	17	4	80	< 4.00	9.5
Strontium 89, 90	2.0400	8.0	16	0			
Plutonium 239, 240	0.0180	.05	20	3	0.315	< 0.01	0.038
Americium 241	0.0420	.05	17	0			
Tritium	257.18	500	20	1	507	<400.00	226
Total Uranium	1.8000*	5.0	20	2	7.3100	0.4000	3.0

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW026, SW028, SW029

TABLE D-7 (CONTINUED)
WOMAN CREEK
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	6	0			
Gross Beta	8.7980	5.0	6	2	10.9	< 4.00	3.8
Strontium 89, 90	1.3980	8.0	3	0			
Plutonium 239, 240	0.0000	.05	6	1	0.159	< 0.01	0.035
Americium 241	0.0130	.05	3	0			
Total Uranium	1.8000*	5.0	6	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW026, SW028, SW029

TABLE D-7 (CONTINUED)
WOMAN CREEK
TOTAL METAL CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	22	0			
Antimony (Sb)	0.0600 U	.06	22	0			
Arsenic (As)	0.0100 U	.05	22	0			
Barium (Ba)	0.2000 U	1.0	22	1	1.92	.0942	0.1053
Beryllium (Be)	0.0050 U	.0050	22	1	.0460	.0020 U	0.0057
Cadmium (Cd)	0.0050 U	.01	22	1	.0460	.0040 U	0.0021
Cesium (Cs)	1.0000 U	1.00	19	0			
Chromium (Cr)	0.0100 U	.05	22	1	.196	.0100 U	0.0036
Cobalt (Co)	0.0500 U	.050	22	1	.440	.0200 U	0.0293
Copper (Cu)	0.0250 U	.2	22	1	.244	.0200 U	0.0128
Iron (Fe)	3.1670	.3	22	15	3.91	.100 U	0.6631
Lead (Pb)	0.0050 U	.05	22	1	.0560	.0020 U	0.0039
Lithium (Li)	0.1000 U	2.5	19	0			
Manganese (Mn)	0.6360	.05	22	14	.515	.0108	0.1532
Mercury (Hg)	0.0010	.002	22	0			
Molybdenum(Mo)	0.1000 U	.1	19	0			
Nickel (Ni)	0.0400 U	.2	22	0			
Selenium (Se)	0.0050 U	.01	22	0			
Silver (Ag)	0.0106 •	.05	22	1	.0504	.0100 U	0.0027
Strontium (Sr)	0.3820	.382	22	2	.427	.125	0.1875
Thallium (Tl)	0.0500 U	.05 U	22	0			
Tin (Sn)	0.1000 U	.1 U	19	0			
Vanadium (V)	0.0500 U	.1	22	0			
Zinc (Zn)	0.0276	2.0	22	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW026, SW028, SW029

TABLE D-7 (CONTINUED)
WOMAN CREEK
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 •	5.0	23	0			
Antimony (Sb)	0.0600 U	0.06 U	23	0			
Arsenic (As)	0.0100 U	0.05	23	0			
Barium (Ba)	0.2000 U	1.0	23	1	2.07	.0756	0.1112
Beryllium (Be)	0.0050 U	.005	22	1	.0486	.0020 U	0.0044
Cadmium (Cd)	0.0050 U	0.01	23	1	.0573	.0040 U	0.0049
Cesium (Cs)	1.0000 U	1.0	20	0			
Chromium (Cr)	0.0100 U	0.05	23	1	.193	.0100 U	0.0169
Cobalt (Co)	0.0500 U	0.05	23	1	.498	.0200 U	0.0313
Copper (Cu)	0.0250 U	0.2	23	1	.259	.0200 U	0.0154
Iron (Fe)	1.7800 *	0.3	23	2	1	.0466	0.1285
Lead (Pb)	0.0055 *	0.05	23	0			
Lithium (Li)	0.1000 U	2.5	19	0			
Manganese (Mn)	0.3680 •	0.05	23	10	0.144	.0100 U	0.0469
Mercury (Hg)	0.0003 *	0.002	24	0			
Molybdenum(Mo)	0.1000 U	0.1	20	0			
Nickel (Ni)	0.0400 U	0.20	23	1	0.82	.0200 U	0.0482
Selenium (Se)	0.0050 U	0.01	23	0			
Silver (Ag)	0.0100 U	0.05	23	1	.0598	.0100 U	0.0061
Strontium (Sr)	0.3960	.396	23	3	0.460	.125	0.1648
Thallium (Tl)	0.0100 U	0.01 U	22	0			
Tin (Sn)	0.1000 U	0.1	18	0			
Vanadium (V)	0.0500 U	0.1	23	0			
Zinc (Zn)	0.0320 *	2.0	24	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SW026, SW028, SW029

TABLE D-7 (CONTINUED)
WOMAN CREEK
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	30	1	3500	0. 20 U	146
Chloride	106.94	250	30	1	530	11.9	52
Sulfate	48.81	250	30	1	720	8.0	69
Total Dissolved Solids	271.15	400	30	1	402	21,000	282
HCO3-	296.97	390	29	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW026, SW028, SW029

TABLE [illegible]
POND C-2
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			16	0					
Bromomethane	10	U			16	0					
Vinyl Chloride	10	U	2		16	0					
Chloroethane	10	U			16	0					
Methylene Chloride	5	U	5	U	16	6	16	B	2	JB	6
Acetone	10	U	50		16	0					
Carbon Disulfide	5	U	5	U	16	0					
1,1-Dichloroethene	5	U	7		16	0					
1,1-Dichloroethane	5	U	5	U	16	0					
1,2-Dichloroethene (total)	5	U	5	U	15	0					
Chloroform	5	U	100		16	0					
1,2-Dichloroethane	5	U	5		16	0					
2-Butanone	10	U			16	3	19		10	U	7
1,1,1-Trichloroethane	5	U	200		16	0					
Carbon Tetrachloride	5	U	5		16	0					
Vinyl Acetate	10	U			16	0					
Bromodichloromethane	5	U			16	0					
1,2-Dichloropropane	5	U			16	0					
cis-1,3-Dichloropropene	5	U			16	0					
Trichloroethene	5	U	5		16	0					
Dibromochloromethane	5	U			16	0					
1,1,2-Trichloroethane	5	U	5	U	16	0					
Benzene	5	U	5	U	16	0					
Trans-1,3-Dichloropropene	5	U			16	0					
Bromoform	5	U			16	0					
4-Methyl-2-pentanone	10	U			16	0					
2-Hexanone	10	U			16	0					
Tetrachloroethene	5	U	5	U	16	0					
1,1,2,2-Tetrachloroethane	5	U	1	U	16	0					
Toluene	5	U	2000		16	0					
Chlorobenzene	5	U			16	0					
Ethylbenzene	5	U			16	0					
Styrene	5	U			16	0					
Total Xylenes	5	U			16	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SWC2

TABLE D-8 (CONTINUED)
POND C-2
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	1	0			
Gross Beta	9.8880	5.0	1	0			
Strontium 89, 90	2.0400	8.0	0	0			
Plutonium 239, 240	0.0180	.05	1	0			
Americium 241	0.0420	.05	1	0			
Tritium	257.18	500	4	0			
Total Uranium	1.8000*	5.0	1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SWC2

TABLE D-8 (CONTINUED)
POND C-2
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	0	0			
Gross Beta	8.7980	5.0	0	0			
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	0	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SWC2

TABLE D-8 (CONTINUED)
POND C-2
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	15	0			
Antimony (Sb)	0.0600 U	.06	15	0			
Arsenic (As)	0.0100 U	.05	15	0			
Barium (Ba)	0.2000 U	1.0	15	0			
Beryllium (Be)	0.0050 U	.0050	15	0			
Cadmium (Cd)	0.0050 U	.01	15	0			
Cesium (Cs)	1.0000 U	1.00	15	0			
Chromium (Cr)	0.0100 U	.05	15	0			
Cobalt (Co)	0.0500 U	.050	15	0			
Copper (Cu)	0.0250 U	.2	15	0			
Iron (Fe)	3.1670	.3	15	3	.371	.0839	0.0280
Lead (Pb)	0.0050 U	.05	15	0			
Lithium (Li)	0.1000 U	2.5	15	0			
Manganese (Mn)	0.6360	.05	15	15	1.88	.164	0.6387
Mercury (Hg)	0.0010	.002	15	0			
Molybdenum(Mo)	0.1000 U	.1	15	0			
Nickel (Ni)	0.0400 U	.2	15	0			
Selenium (Se)	0.0050 U	.01	15	0			
Silver (Ag)	0.0106 *	.05	15	0			
Strontium (Sr)	0.3820	.382	15	0			
Thallium (Tl)	0.0500 U	.05 U	15	0			
Tin (Sn)	0.1000 U	.1 U	15	0			
Vanadium (V)	0.0500 U	.1	15	0			
Zinc (Zn)	0.0276	2.0	15	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SWC2

TABLE D-8 (CONTINUED)
POND C-2
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 •	5.0	16	0			
Antimony (Sb)	0.0600 U	0.06 U	16	0			
Arsenic (As)	0.0100 U	0.05	16	0			
Barium (Ba)	0.2000 U	1.0	16	0			
Beryllium (Be)	0.0050 U	.005	16	1	0.020	.0020 U	0.0036
Cadmium (Cd)	0.0050 U	0.01	16	0			
Cesium (Cs)	1.0000 U	1.0	16	0			
Chromium (Cr)	0.0100 U	0.05	16	0			
Cobalt (Co)	0.0500 U	0.05	16	0			
Copper (Cu)	0.0250 U	0.2	16	0			
Iron (Fe)	1.7800 *	0.3	16	0			
Lead (Pb)	0.0055 *	0.05	16	0			
Lithium (Li)	0.1000 U	2.5	15	0			
Manganese (Mn)	0.3680 •	0.05	16	10	2.43	0.010 U	0.7348
Mercury (Hg)	0.0003 *	0.002	16	0			
Molybdenum(Mo)	0.1000 U	0.1	16	0			
Nickel (Ni)	0.0400 U	0.20	16	0			
Selenium (Se)	0.0050 U	0.01	16	0			
Silver (Ag)	0.0100 U	0.05	16	0			
Strontium (Sr)	0.3960	.396	16	0			
Thallium (Tl)	0.0100 U	0.01 U	16	0			
Tin (Sn)	0.1000 U	0.1	15	0			
Vanadium (V)	0.0500 U	0.1	16	0			
Zinc (Zn)	0.0320 •	2.0	16	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SWC2

TABLE D-8 (CONTINUED)
POND C-2
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	9	0			
Chloride	106.94	250	9	0			
Sulfate	48.81	250	9	0			
Total Dissolved Solids	271.15	400	9	2	1200	240	479
HCO3-	296.97	390	8	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SWC2

TABLE [illegible]9
UPPER SOUTH WALNUT CREEK
VOLATILE ORGANIC COMPOUND CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values**
Chloromethane	10 U		34	0			
Bromomethane	10 U		34	0			
Vinyl Chloride	10 U	2	34	5	15	2 J	6
Chloroethane	10 U		34	0			
Methylene Chloride	5 U	5 U	34	9	44	1 J	7
Acetone	10 U	50	34	2	130	3 J	11
Carbon Disulfide	5 U	5 U	34	0			
1,1-Dichloroethene	5 U	7	38	3	143	1 J	10
1,1-Dichloroethane	5 U	5 U	34	2	6 J	1 J	3
1,2-Dichloroethene (total)	5 U	5 U	33	1	56	5 U	4
Chloroform	5 U	100	38	0			
1,2-Dichloroethane	5 U	5	38	0			
2-Butanone	10 U		34	0			
1,1,1-Trichloroethane	5 U	200	38	0			
Carbon Tetrachloride	5 U	5	38	24	605	3 J	76
Vinyl Acetate	10 U		34	0			
Bromodichloromethane	5 U		34	5	2 J	2 J	2
1,2-Dichloropropane	5 U		34	0			
cis-1,3-Dichloropropene	5 U		34	0			
Trichloroethene	5 U	5	38	24	260	3 J	43
Dibromochloromethane	5 U		34	0			
1,1,2-Trichloroethane	5 U	5 U	38	0			
Benzene	5 U	5 U	34	0			
Trans-1,3-Dichloropropene	5 U		34	0			
Bromoform	5 U		34	0			
4-Methyl-2-pentanone	10 U		34	0			
2-Hexanone	10 U		34	0			
Tetrachloroethene	5 U	5 U	38	22	280	1 J	50
1,1,2,2-Tetrachloroethane	5 U	1 U	34	0			
Toluene	5 U	2000	34	0			
Chlorobenzene	5 U		34	0			
Ethylbenzene	5 U		34	0			
Styrene	5 U		34	0			
Total Xylenes	5 U		34	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW056, SW059, SW060, SW061, SW101

TABEL D-9 (CONTINUED)
UPPER SOUTH WALNUT CREEK
TOTAL RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

					Reported when the maximum value exceeds ARAR		
Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	30	15	780	< 2.00	78
Gross Beta	9.8880	5.0	30	26	570	< 4.00	64
Strontium 89, 90	2.0400	8.0	29	0			
Plutonium 239, 240	0.0180	.05	36	11	3.3	< 0.01	0.41
Americium 241	0.0420	.05	29	8	1.3	< 0.01	0.13
Tritium	257.18	500	36	0			
Total Uranium	1.8000*	5.0	36	19	16.6000	< 1.80	6.0

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW056, SW059, SW060, SW061, SW101

TABLE D-9 (CONTINUED)
UPPER SOUTH WALNUT CREEK
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

					Reported when the maximum value exceeds ARAR		
Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	11	2	20.6	< 2.00	5.2
Gross Beta	8.7980	5.0	11	6	43.7	< 4.00	9.0
Strontium 89, 90	1.3980	8.0	6	0			
Plutonium 239, 240	0.0000	.05	11	0			
Americium 241	0.0130	.05	6	0			
Total Uranium	1.8000*	5.0	11	7	10.2600	< 1.80	5.3

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW056, SW059, SW060, SW061, SW101

TABLE D-9 (CONTINUED)
UPPER SOUTH WALNUT CREEK
TOTAL METAL CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	36	8	25.40	.0300 U	4.5743
Antimony (Sb)	0.0600 U	.06	36	2	.102	0.060 U	0.0327
Arsenic (As)	0.0100 U	.05	36	0			
Barium (Ba)	0.2000 U	1.0	36	1	2.02	.166	0.1785
Beryllium (Be)	0.0050 U	.0050	36	4	.0572	.0020 U	0.0021
Cadmium (Cd)	0.0050 U	.01	36	1	.0142	.0040 U	0.0004
Cesium (Cs)	1.0000 U	1.00	31	0			
Chromium (Cr)	0.0100 U	.05	36	1	.212	0.010 U	0.0055
Cobalt (Co)	0.0500 U	.050	36	1	.132	.0200 U	0.0037
Copper (Cu)	0.0250 U	.2	36	1	.293	.0200 U	0.0130
Iron (Fe)	3.1670	.3	36	26	204	.0855	10
Lead (Pb)	0.0050 U	.05	36	1	.215	.0020 U	0.0149
Lithium (Li)	0.1000 U	2.5	31	1	2.56	.0100 U	0.0993
Manganese (Mn)	0.6360	.05	36	16	3.68	.0100 U	0.3580
Mercury (Hg)	0.0010	.002	36	1	.0024	0.0002 U	0.0002
Molybdenum(Mo)	0.1000 U	.1	31	1	.174	.0100 U	0.0067
Nickel (Ni)	0.0400 U	.2	36	1	.246	.0200 U	0.0420
Selenium (Se)	0.0050 U	.01	36	1	.0160	.0020 U	0.0030
Silver (Ag)	0.0106 *	.05	36	0			
Strontium (Sr)	0.3820	.382	36	13	1.36	.100 U	0.3073
Thallium (Tl)	0.0500 U	.05 U	36	0			
Tin (Sn)	0.1000 U	.1 U	31	0			
Vanadium (V)	0.0500 U	.1	36	1	.555	.0100 U	0.0151
Zinc (Zn)	0.0276	2.0	36	1	2.66	.0200 U	0.3542

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW056, SW059, SW060, SW061, SW101

TABLE D-9 (CONTINUED)
UPPER SOUTH WALNUT CREEK
DISSOLVED METAL CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 *	5.0	37	0			
Antimony (Sb)	0.0600 U	0.06 U	33	0			
Arsenic (As)	0.0100 U	0.05	33	0			
Barium (Ba)	0.2000 U	1.0	37	0			
Beryllium (Be)	0.0050 U	.005	33	1	.0053	.0020 U	0.0026
Cadmium (Cd)	0.0050 U	0.01	33	0			
Cesium (Cs)	1.0000 U	1.0	28	0			
Chromium (Cr)	0.0100 U	0.05	37	0			
Cobalt (Co)	0.0500 U	0.05	37	0			
Copper (Cu)	0.0250 U	0.2	37	0			
Iron (Fe)	1.7800 •	0.3	37	0			
Lead (Pb)	0.0055 •	0.05	33	0			
Lithium (Li)	0.1000 U	2.5	28	0			
Manganese (Mn)	0.3680 •	0.05	37	8	.643	.0100 U	0.0840
Mercury (Hg)	0.0003 •	0.002	33	0			
Molybdenum(Mo)	0.1000 U	0.1	32	0			
Nickel (Ni)	0.0400 U	0.20	37	0			
Selenium (Se)	0.0050 U	0.01	33	0			
Silver (Ag)	0.0100 U	0.05	37	0			
Strontium (Sr)	0.3960	.396	37	16	1.17	0.02 U	0.2678
Thallium (Tl)	0.0100 U	0.01 U	33	0			
Tin (Sn)	0.1000 U	0.1	28	0			
Vanadium (V)	0.0500 U	0.1	37	0			
Zinc (Zn)	0.0320 *	2.0	37	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SW056, SW059, SW060, SW061, SW101

TABLE D-9 (CONTINUED)
UPPER SOUTH WALNUT CREEK
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	58	0			
Chloride	106.94	250	58	0			
Sulfate	48.81	250	58	0			
Total Dissolved Solids	271.15	400	58	34	3300	26	424
HCO3-	296.97	390	58	15	540	6	288

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW056, SW059, SW060, SW061, SW101

TABLE [illegible]0
STATION 21
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values**
Chloromethane	10	U			1	0			
Bromomethane	10	U			1	0			
Vinyl Chloride	10	U	2		1	0			
Chloroethane	10	U			1	0			
Methylene Chloride	5	U	5	U	1	0			
Acetone	10	U	50		1	0			
Carbon Disulfide	5	U	5	U	1	0			
1,1-Dichloroethene	5	U	7		1	0			
1,1-Dichloroethane	5	U	5	U	1	0			
1,2-Dichloroethene (total)	5	U	5	U	0	0			
Chloroform	5	U	100		1	0			
1,2-Dichloroethane	5	U	5		1	0			
2-Butanone	10	U			1	0			
1,1,1-Trichloroethane	5	U	200		1	0			
Carbon Tetrachloride	5	U	5		1	1	9	9	9
Vinyl Acetate	10	U			1	0			
Bromodichloromethane	5	U			1	0			
1,2-Dichloropropane	5	U			1	0			
cis-1,3-Dichloropropene	5	U			1	0			
Trichloroethene	5	U	5		1	0			
Dibromochloromethane	5	U			1	0			
1,1,2-Trichloroethane	5	U	5	U	1	0			
Benzene	5	U	5	U	1	0			
Trans-1,3-Dichloropropene	5	U			1	0			
Bromoform	5	U			1	0			
4-Methyl-2-pentanone	10	U			1	0			
2-Hexanone	10	U			1	0			
Tetrachloroethene	5	U	5	U	1	0			
1,1,2,2-Tetrachloroethane	5	U	1	U	1	0			
Toluene	5	U	2000		1	0			
Chlorobenzene	5	U			1	0			
Ethylbenzene	5	U			1	0			
Styrene	5	U			1	0			
Total Xylenes	5	U			1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW021

TABLE D-10 (CONTINUED)
STATION 21
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	1	1	9	9	9.0
Gross Beta	9.8880	5.0	1	0			
Strontium 89, 90	2.0400	8.0	0	0			
Plutonium 239, 240	0.0180	.05	1	0			
Americium 241	0.0420	.05	1	0			
Tritium	257.18	500	1	0			
Total Uranium	1.8000*	5.0	1	1	6.6000	< 1.80	6.6

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW021

D-10 (CONTINUED)
STATION 21
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS
ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	0	0			
Gross Beta	8.7980	5.0	0	0			
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	0	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW021

TABLE D-10 (CONTINUED)
STATION 21
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	0	0			
Antimony (Sb)	0.0600 U	.06	0	0			
Arsenic (As)	0.0100 U	.05	0	0			
Barium (Ba)	0.2000 U	1.0	0	0			
Beryllium (Be)	0.0050 U	.0050	0	0			
Cadmium (Cd)	0.0050 U	.01	0	0			
Cesium (Cs)	1.0000 U	1.00	0	0			
Chromium (Cr)	0.0100 U	.05	0	0			
Cobalt (Co)	0.0500 U	.050	0	0			
Copper (Cu)	0.0250 U	.2	0	0			
Iron (Fe)	3.1670	.3	0	0			
Lead (Pb)	0.0050 U	.05	0	0			
Lithium (Li)	0.1000 U	2.5	0	0			
Manganese (Mn)	0.6360	.05	0	0			
Mercury (Hg)	0.0010	.002	0	0			
Molybdenum(Mo)	0.1000 U	.1	0	0			
Nickel (Ni)	0.0400 U	.2	0	0			
Selenium (Se)	0.0050 U	.01	0	0			
Silver (Ag)	0.0106 *	.05	0	0			
Strontium (Sr)	0.3820	.382	0	0			
Thallium (Tl)	0.0500 U	.05 U	0	0			
Tin (Sn)	0.1000 U	.1 U	0	0			
Vanadium (V)	0.0500 U	.1	0	0			
Zinc (Zn)	0.0276	2.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW021

TABLE D-10 (CONTINUED)
STATION 21
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 •	5.0	1	0			
Antimony (Sb)	0.0600 U	0.06 U	1	0			
Arsenic (As)	0.0100 U	0.05	1	0			
Barium (Ba)	0.2000 U	1.0	1	0			
Beryllium (Be)	0.0050 U	.005	1	1	0.170	0.170	0.1700
Cadmium (Cd)	0.0050 U	0.01	1	0			
Cesium (Cs)	1.0000 U	1.0	1	0			
Chromium (Cr)	0.0100 U	0.05	1	0			
Cobalt (Co)	0.0500 U	0.05	1	0			
Copper (Cu)	0.0250 U	0.2	1	0			
Iron (Fe)	1.7800 *	0.3	1	0			
Lead (Pb)	0.0055 •	0.05	1	0			
Lithium (Li)	0.1000 U	2.5	0	0			
Manganese (Mn)	0.3680 •	0.05	1	1	0.060	0.060	0.0600
Mercury (Hg)	0.0003 •	0.002	1	0			
Molybdenum(Mo)	0.1000 U	0.1	1	1	0.300	0.300	0.3000
Nickel (Ni)	0.0400 U	0.20	1	0			
Selenium (Se)	0.0050 U	0.01	1	0			
Silver (Ag)	0.0100 U	0.05	1	0			
Strontium (Sr)	0.3960	.396	1	1	0.540	0.540	0.5400
Thallium (Tl)	0.0100 U	0.01 U	1	0			
Tin (Sn)	0.1000 U	0.1	0	0			
Vanadium (V)	0.0500 U	0.1	1	0			
Zinc (Zn)	0.0320 •	2.0	1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW021

TABLE D-10 (CONTINUED)
STATION 21
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	1	0			
Chloride	106.94	250	1	0			
Sulfate	48.81	250	1	0			
Total Dissolved Solids	271.15	400	1	1	420	420	420
HCO3-	296.97	390	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW021

TABLE [illegible]1
STATION 23
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values**
Chloromethane	10	U			1	0			
Bromomethane	10	U			1	0			
Vinyl Chloride	10	U	2		1	0			
Chloroethane	10	U			1	0			
Methylene Chloride	5	U	5	U	1	0			
Acetone	10	U	50		1	0			
Carbon Disulfide	5	U	5	U	1	0			
1,1-Dichloroethene	5	U	7		1	0			
1,1-Dichloroethane	5	U	5	U	1	0			
1,2-Dichloroethene (total)	5	U	5	U	0	0			
Chloroform	5	U	100		1	0			
1,2-Dichloroethane	5	U	5		1	0			
2-Butanone	10	U			1	0			
1,1,1-Trichloroethane	5	U	200		1	0			
Carbon Tetrachloride	5	U	5		1	0			
Vinyl Acetate	10	U			1	0			
Bromodichloromethane	5	U			1	0			
1,2-Dichloropropane	5	U			1	0			
cis-1,3-Dichloropropene	5	U			1	0			
Trichloroethene	5	U	5		1	0			
Dibromochloromethane	5	U			1	0			
1,1,2-Trichloroethane	5	U	5	U	1	0			
Benzene	5	U	5	U	1	0			
Trans-1,3-Dichloropropene	5	U			1	0			
Bromoform	5	U			1	0			
4-Methyl-2-pentanone	10	U			1	0			
2-Hexanone	10	U			1	0			
Tetrachloroethene	5	U	5	U	1	0			
1,1,2,2-Tetrachloroethane	5	U	1	U	1	0			
Toluene	5	U	2000		1	0			
Chlorobenzene	5	U			1	0			
Ethylbenzene	5	U			1	0			
Styrene	5	U			1	0			
Total Xylenes	5	U			1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW023

TABLE D-11 (CONTINUED)
STATION 23
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	1	0			
Gross Beta	9.8880	5.0	1	0			
Strontium 89, 90	2.0400	8.0	0	0			
Plutonium 239, 240	0.0180	.05	1	0			
Americium 241	0.0420	.05	1	0			
Tritium	257.18	500	1	0			
Total Uranium	1.8000*	5.0	1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW023

TABLE D-11 (CONTINUED)
STATION 23
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	0	0			
Gross Beta	8.7980	5.0	0	0			
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	0	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW023

TABLE D-11 (CONTINUED)
STATION 23
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	0	0			
Antimony (Sb)	0.0600 U	.06	0	0			
Arsenic (As)	0.0100 U	.05	0	0			
Barium (Ba)	0.2000 U	1.0	0	0			
Beryllium (Be)	0.0050 U	.0050	0	0			
Cadmium (Cd)	0.0050 U	.01	0	0			
Cesium (Cs)	1.0000 U	1.00	0	0			
Chromium (Cr)	0.0100 U	.05	0	0			
Cobalt (Co)	0.0500 U	.050	0	0			
Copper (Cu)	0.0250 U	.2	0	0			
Iron (Fe)	3.1670	.3	0	0			
Lead (Pb)	0.0050 U	.05	0	0			
Lithium (Li)	0.1000 U	2.5	0	0			
Manganese (Mn)	0.6360	.05	0	0			
Mercury (Hg)	0.0010	.002	0	0			
Molybdenum(Mo)	0.1000 U	.1	0	0			
Nickel (Ni)	0.0400 U	.2	0	0			
Selenium (Se)	0.0050 U	.01	0	0			
Silver (Ag)	0.0106 •	.05	0	0			
Strontium (Sr)	0.3820	.382	0	0			
Thallium (Tl)	0.0500 U	.05 U	0	0			
Tin (Sn)	0.1000 U	.1 U	0	0			
Vanadium (V)	0.0500 U	.1	0	0			
Zinc (Zn)	0.0276	2.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW023

TABLE D-11 (CONTINUED)
STATION 23
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 •	5.0	1	0			
Antimony (Sb)	0.0600 U	0.06 U	1	0			
Arsenic (As)	0.0100 U	0.05	1	0			
Barium (Ba)	0.2000 U	1.0	1	0			
Beryllium (Be)	0.0050 U	.005	1	1	0.130	0.130	0.1300
Cadmium (Cd)	0.0050 U	0.01	1	0			
Cesium (Cs)	1.0000 U	1.0	1	0			
Chromium (Cr)	0.0100 U	0.05	1	0			
Cobalt (Co)	0.0500 U	0.05	1	0			
Copper (Cu)	0.0250 U	0.2	1	0			
Iron (Fe)	1.7800 •	0.3	1	1	0.600	0.600	0.6000
Lead (Pb)	0.0055 *	0.05	1	0			
Lithium (Li)	0.1000 U	2.5	0	0			
Manganese (Mn)	0.3680 •	0.05	1	0			
Mercury (Hg)	0.0003 *	0.002	1	0			
Molybdenum(Mo)	0.1000 U	0.1	1	1	0.400	0.400	0.4000
Nickel (Ni)	0.0400 U	0.20	1	0			
Selenium (Se)	0.0050 U	0.01	1	0			
Silver (Ag)	0.0100 U	0.05	1	0			
Strontium (Sr)	0.3960	.396	1	0			
Thallium (Tl)	0.0100 U	0.01 U	1	0			
Tin (Sn)	0.1000 U	0.1	0	0			
Vanadium (V)	0.0500 U	0.1	1	0			
Zinc (Zn)	0.0320 *	2.0	1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW023

TABLE D-11 (CONTINUED)
STATION 23
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	1	0			
Chloride	106.94	250	1	0			
Sulfate	48.81	250	1	0			
Total Dissolved Solids	271.15	400	1	0			
HCO3-	296.97	390	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW023

TABLE [illegible]2
B PONDS
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			64	0					
Bromomethane	10	U			64	0					
Vinyl Chloride	10	U	2		64	0					
Chloroethane	10	U			64	0					
Methylene Chloride	5	U	5	U	64	25	340		1	JB	15
Acetone	10	U	50		64	0					
Carbon Disulfide	5	U	5	U	64	0					
1,1-Dichloroethene	5	U	7		64	0					
1,1-Dichloroethane	5	U	5	U	64	0					
1,2-Dichloroethene (total)	5	U	5	U	59	0					
Chloroform	5	U	100		64	0					
1,2-Dichloroethane	5	U	5		64	0					
2-Butanone	10	U			64	0					
1,1,1-Trichloroethane	5	U	200		64	0					
Carbon Tetrachloride	5	U	5		64	0					
Vinyl Acetate	10	U			64	2	2	JB	1	JB	5
Bromodichloromethane	5	U			64	0					
1,2-Dichloropropane	5	U			64	0					
cis-1,3-Dichloropropene	5	U			64	0					
Trichloroethene	5	U	5		64	1	7		1	J	2
Dibromochloromethane	5	U			64	0					
1,1,2-Trichloroethane	5	U	5	U	64	0					
Benzene	5	U	5	U	64	0					
Trans-1,3-Dichloropropene	5	U			64	0					
Bromoform	5	U			64	0					
4-Methyl-2-pentanone	10	U			64	0					
2-Hexanone	10	U			64	1	2	JB	2	JB	5
Tetrachloroethene	5	U	5	U	64	0					
1,1,2,2-Tetrachloroethane	5	U	1	U	64	0					
Toluene	5	U	2000		64	0					
Chlorobenzene	5	U			64	0					
Ethylbenzene	5	U			64	0					
Styrene	5	U			64	0					
Total Xylenes	5	U			64	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.

NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.

Minimum, Maximum, and Average based on all available data.

Wells/Stations in this group: SWB1, SWB2, SWB3, SWB4, SWB5

TABLE D-12 (CONTINUED)
B PONDS
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	45	3	65	< 2.00	5.4
Gross Beta	9.8880	5.0	45	29	26	2	7.8
Strontium 89, 90	2.0400	8.0	40	0			
Plutonium 239, 240	0.0180	.05	45	15	4.2	< 0.01	0.22
Americium 241	0.0420	.05	45	3	0.15	< 0.01	0.025
Tritium	257.18	500	45	0			
Total Uranium	1.8000*	5.0	45	6	16.0000	< 1.80	3.8

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SWB1, SWB2, SWB3, SWB4, SWB5

TABLE D-12 (CONTINUED)
B PONDS
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	0	0			
Gross Beta	8.7980	5.0	0	0			
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	0	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SWB1, SWB2, SWB3, SWB4, SWB5

TABLE D-12 (CONTINUED)
B PONDS
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	58	0			
Antimony (Sb)	0.0600 U	.06	58	0			
Arsenic (As)	0.0100 U	.05	58	0			
Barium (Ba)	0.2000 U	1.0	58	0			
Beryllium (Be)	0.0050 U	.0050	58	0			
Cadmium (Cd)	0.0050 U	.01	58	0			
Cesium (Cs)	1.0000 U	1.00	58	0			
Chromium (Cr)	0.0100 U	.05	58	0			
Cobalt (Co)	0.0500 U	.050	58	0			
Copper (Cu)	0.0250 U	.2	58	0			
Iron (Fe)	3.1670	.3	58	15	.608	.100 U	0.1685
Lead (Pb)	0.0050 U	.05	58	0			
Lithium (Li)	0.1000 U	2.5	58	0			
Manganese (Mn)	0.6360	.05	58	23	.868	.0150 U	0.0922
Mercury (Hg)	0.0010	.002	58	0			
Molybdenum(Mo)	0.1000 U	.1	58	0			
Nickel (Ni)	0.0400 U	.2	58	0			
Selenium (Se)	0.0050 U	.01	58	1	.0283	.0050 U	0.0034
Silver (Ag)	0.0106 *	.05	58	0			
Strontium (Sr)	0.3820	.382	58	2	.512	.249	0.1371
Thallium (Tl)	0.0500 U	.05 U	58	0			
Tin (Sn)	0.1000 U	.1 U	58	0			
Vanadium (V)	0.0500 U	.1	58	0			
Zinc (Zn)	0.0276	2.0	58	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SWB1, SWB2, SWB3, SWB4, SWB5

TABLE D-12 (CONTINUED)
B PONDS
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 *	5.0	56	0			
Antimony (Sb)	0.0600 U	0.06 U	56	0			
Arsenic (As)	0.0100 U	0.05	56	0			
Barium (Ba)	0.2000 U	1.0	56	0			
Beryllium (Be)	0.0050 U	.005	56	4	0.120	0.005 U	0.0035
Cadmium (Cd)	0.0050 U	0.01	56	3	.0188	0.005 U	0.0028
Cesium (Cs)	1.0000 U	1.0	55	0			
Chromium (Cr)	0.0100 U	0.05	56	0			
Cobalt (Co)	0.0500 U	0.05	56	1	0.080	0.050 U	0.0115
Copper (Cu)	0.0250 U	0.2	56	0			
Iron (Fe)	1.7800 *	0.3	56	2	.450	0.030 U	0.0455
Lead (Pb)	0.0055 *	0.05	56	0			
Lithium (Li)	0.1000 U	2.5	51	0			
Manganese (Mn)	0.3680 *	0.05	56	14	.857	0.010 U	0.0912
Mercury (Hg)	0.0003 *	0.002	56	1	.0066	0.0002 U	0.0003
Molybdenum(Mo)	0.1000 U	0.1	56	0			
Nickel (Ni)	0.0400 U	0.20	56	0			
Selenium (Se)	0.0050 U	0.01	56	0			
Silver (Ag)	0.0100 U	0.05	56	0			
Strontium (Sr)	0.3960	.396	56	0			
Thallium (Tl)	0.0100 U	0.01 U	56	4	0.021	.0100 U	0.0067
Tin (Sn)	0.1000 U	0.1	51	0			
Vanadium (V)	0.0500 U	0.1	56	0			
Zinc (Zn)	0.0320 *	2.0	56	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SWB1, SWB2, SWB3, SWB4, SWB5

TABLE D-12 (CONTINUED)
B PONDS
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	63	1	13.4	0.05 U	2.626
Chloride	106.94	250	65	0			
Sulfate	48.81	250	65	0			
Total Dissolved Solids	271.15	400	65	6	680	28	326
HCO3-	296.97	390	60	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SWB1, SWB2, SWB3, SWB4, SWB5

TABLE [illegible]13
STATION 24
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values**
Chloromethane	10	U			1	0			
Bromomethane	10	U			1	0			
Vinyl Chloride	10	U	2		1	0			
Chloroethane	10	U			1	0			
Methylene Chloride	5	U	5	U	1	0			
Acetone	10	U	50		1	0			
Carbon Disulfide	5	U	5	U	1	0			
1,1-Dichloroethene	5	U	7		1	0			
1,1-Dichloroethane	5	U	5	U	1	0			
1,2-Dichloroethene (total)	5	U	5	U	0	0			
Chloroform	5	U	100		1	0			
1,2-Dichloroethane	5	U	5		1	0			
2-Butanone	10	U			1	0			
1,1,1-Trichloroethane	5	U	200		1	0			
Carbon Tetrachloride	5	U	5		1	0			
Vinyl Acetate	10	U			1	0			
Bromodichloromethane	5	U			1	0			
1,2-Dichloropropane	5	U			1	0			
cis-1,3-Dichloropropene	5	U			1	0			
Trichloroethene	5	U	5		1	0			
Dibromochloromethane	5	U			1	0			
1,1,2-Trichloroethane	5	U	5	U	1	0			
Benzene	5	U	5	U	1	0			
Trans-1,3-Dichloropropene	5	U			1	0			
Bromoform	5	U			1	0			
4-Methyl-2-pentanone	10	U			1	0			
2-Hexanone	10	U			1	0			
Tetrachloroethene	5	U	5	U	1	0			
1,1,2,2-Tetrachloroethane	5	U	1	U	1	0			
Toluene	5	U	2000		1	0			
Chlorobenzene	5	U			1	0			
Ethylbenzene	5	U			1	0			
Styrene	5	U			1	0			
Total Xylenes	5	U			1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW024

TABLE D-13 (CONTINUED)
STATION 24
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	1	0			
Gross Beta	9.8880	5.0	1	0			
Strontium 89, 90	2.0400	8.0	0	0			
Plutonium 239, 240	0.0180	.05	1	0			
Americium 241	0.0420	.05	1	0			
Tritium	257.18	500	1	0			
Total Uranium	1.8000*	5.0	1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW024

TABLE D-13 (CONTINUED)
STATION 24
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	0	0			
Gross Beta	8.7980	5.0	0	0			
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	0	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW024

TABLE D-13 (CONTINUED)
STATION 24
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	0	0			
Antimony (Sb)	0.0600 U	.06	0	0			
Arsenic (As)	0.0100 U	.05	0	0			
Barium (Ba)	0.2000 U	1.0	0	0			
Beryllium (Be)	0.0050 U	.0050	0	0			
Cadmium (Cd)	0.0050 U	.01	0	0			
Cesium (Cs)	1.0000 U	1.00	0	0			
Chromium (Cr)	0.0100 U	.05	0	0			
Cobalt (Co)	0.0500 U	.050	0	0			
Copper (Cu)	0.0250 U	.2	0	0			
Iron (Fe)	3.1670	.3	0	0			
Lead (Pb)	0.0050 U	.05	0	0			
Lithium (Li)	0.1000 U	2.5	0	0			
Manganese (Mn)	0.6360	.05	0	0			
Mercury (Hg)	0.0010	.002	0	0			
Molybdenum(Mo)	0.1000 U	.1	0	0			
Nickel (Ni)	0.0400 U	.2	0	0			
Selenium (Se)	0.0050 U	.01	0	0			
Silver (Ag)	0.0106 *	.05	0	0			
Strontium (Sr)	0.3820	.382	0	0			
Thallium (Tl)	0.0500 U	.05 U	0	0			
Tin (Sn)	0.1000 U	.1 U	0	0			
Vanadium (V)	0.0500 U	.1	0	0			
Zinc (Zn)	0.0276	2.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW024

TABLE D-13 (CONTINUED)
STATION 24
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 *	5.0	1	0			
Antimony (Sb)	0.0600 U	0.06 U	1	0			
Arsenic (As)	0.0100 U	0.05	1	0			
Barium (Ba)	0.2000 U	1.0	1	0			
Beryllium (Be)	0.0050 U	.005	1	1	0.140	0.140	0.1400
Cadmium (Cd)	0.0050 U	0.01	1	0			
Cesium (Cs)	1.0000 U	1.0	1	0			
Chromium (Cr)	0.0100 U	0.05	1	0			
Cobalt (Co)	0.0500 U	0.05	1	0			
Copper (Cu)	0.0250 U	0.2	1	0			
Iron (Fe)	1.7800 •	0.3	1	0			
Lead (Pb)	0.0055 •	0.05	1	0			
Lithium (Li)	0.1000 U	2.5	0	0			
Manganese (Mn)	0.3680 •	0.05	1	0			
Mercury (Hg)	0.0003 *	0.002	1	0			
Molybdenum(Mo)	0.1000 U	0.1	1	1	0.500	0.500	0.5000
Nickel (Ni)	0.0400 U	0.20	1	0			
Selenium (Se)	0.0050 U	0.01	1	0			
Silver (Ag)	0.0100 U	0.05	1	0			
Strontium (Sr)	0.3960	.396	1	0			
Thallium (Tl)	0.0100 U	0.01 U	1	0			
Tin (Sn)	0.1000 U	0.1	0	0			
Vanadium (V)	0.0500 U	0.1	1	0			
Zinc (Zn)	0.0320 •	2.0	1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW024

TABLE D-13 (CONTINUED)
STATION 24
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	1	0			
Chloride	106.94	250	1	0			
Sulfate	48.81	250	1	0			
Total Dissolved Solids	271.15	400	1	0			
HCO3-	296.97	390	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW024

TABLE [illegible]14
STATION 25
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value		Average of All Values**
Chloromethane	10	U			3	0				
Bromomethane	10	U			3	0				
Vinyl Chloride	10	U	2		3	0				
Chloroethane	10	U			3	0				
Methylene Chloride	5	U	5	U	3	2	21	5	U	10
Acetone	10	U	50		3	0				
Carbon Disulfide	5	U	5	U	3	0				
1,1-Dichloroethene	5	U	7		3	0				
1,1-Dichloroethane	5	U	5	U	3	0				
1,2-Dichloroethene (total)	5	U	5	U	2	0				
Chloroform	5	U	100		3	0				
1,2-Dichloroethane	5	U	5		3	0				
2-Butanone	10	U			3	0				
1,1,1-Trichloroethane	5	U	200		3	0				
Carbon Tetrachloride	5	U	5		3	0				
Vinyl Acetate	10	U			3	0				
Bromodichloromethane	5	U			3	0				
1,2-Dichloropropane	5	U			3	0				
cis-1,3-Dichloropropene	5	U			3	0				
Trichloroethene	5	U	5		3	0				
Dibromochloromethane	5	U			3	0				
1,1,2-Trichloroethane	5	U	5	U	3	0				
Benzene	5	U	5	U	3	0				
Trans-1,3-Dichloropropene	5	U			3	0				
Bromoform	5	U			3	0				
4-Methyl-2-pentanone	10	U			3	0				
2-Hexanone	10	U			3	0				
Tetrachloroethene	5	U	5	U	3	0				
1,1,2,2-Tetrachloroethane	5	U	1	U	3	0				
Toluene	5	U	2000		3	0				
Chlorobenzene	5	U			3	0				
Ethylbenzene	5	U			3	0				
Styrene	5	U			3	0				
Total Xylenes	5	U			3	0				

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW025

TABLE D-14 (CONTINUED)
STATION 25
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	1	0			
Gross Beta	9.8880	5.0	1	1	9	9	9.0
Strontium 89, 90	2.0400	8.0	0	0			
Plutonium 239, 240	0.0180	.05	1	0			
Americium 241	0.0420	.05	1	0			
Tritium	257.18	500	1	0			
Total Uranium	1.8000*	5.0	1	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW025

TABLE D-14 (CONTINUED)
STATION 25
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	0	0			
Gross Beta	8.7980	5.0	0	0			
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	0	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	0	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW025

TABLE D-14 (CONTINUED)
STATION 25
TOTAL METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	2	0			
Antimony (Sb)	0.0600 U	.06	2	0			
Arsenic (As)	0.0100 U	.05	2	0			
Barium (Ba)	0.2000 U	1.0	2	0			
Beryllium (Be)	0.0050 U	.0050	2	0			
Cadmium (Cd)	0.0050 U	.01	2	0			
Cesium (Cs)	1.0000 U	1.00	2	0			
Chromium (Cr)	0.0100 U	.05	2	0			
Cobalt (Co)	0.0500 U	.050	2	0			
Copper (Cu)	0.0250 U	.2	2	0			
Iron (Fe)	3.1670	.3	2	0			
Lead (Pb)	0.0050 U	.05	2	0			
Lithium (Li)	0.1000 U	2.5	2	0			
Manganese (Mn)	0.6360	.05	2	0			
Mercury (Hg)	0.0010	.002	2	0			
Molybdenum(Mo)	0.1000 U	.1	2	0			
Nickel (Ni)	0.0400 U	.2	2	0			
Selenium (Se)	0.0050 U	.01	2	0			
Silver (Ag)	0.0106 *	.05	2	0			
Strontium (Sr)	0.3820	.382	2	0			
Thallium (Tl)	0.0500 U	.05 U	2	0			
Tin (Sn)	0.1000 U	.1 U	2	0			
Vanadium (V)	0.0500 U	.1	2	0			
Zinc (Zn)	0.0276	2.0	2	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW025

TABLE D-14 (CONTINUED)
STATION 25
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 *	5.0	3	0			
Antimony (Sb)	0.0600 U	0.06 U	3	0			
Arsenic (As)	0.0100 U	0.05	3	0			
Barium (Ba)	0.2000 U	1.0	3	0			
Beryllium (Be)	0.0050 U	.005	3	1	0.020	.0050 U	0.0083
Cadmium (Cd)	0.0050 U	0.01	3	0			
Cesium (Cs)	1.0000 U	1.0	3	0			
Chromium (Cr)	0.0100 U	0.05	3	0			
Cobalt (Co)	0.0500 U	0.05	3	1	0.070	.0500 U	0.0307
Copper (Cu)	0.0250 U	0.2	3	0			
Iron (Fe)	1.7800 *	0.3	3	0			
Lead (Pb)	0.0055 *	0.05	3	0			
Lithium (Li)	0.1000 U	2.5	2	0			
Manganese (Mn)	0.3680 *	0.05	3	1	0.160	.0150 U	0.0550
Mercury (Hg)	0.0003 *	0.002	3	0			
Molybdenum(Mo)	0.1000 U	0.1	3	1	0.500	.100 U	0.1740
Nickel (Ni)	0.0400 U	0.20	3	0			
Selenium (Se)	0.0050 U	0.01	3	0			
Silver (Ag)	0.0100 U	0.05	3	0			
Strontium (Sr)	0.3960	.396	3	0			
Thallium (Tl)	0.0100 U	0.01 U	3	0			
Tin (Sn)	0.1000 U	0.1	2	0			
Vanadium (V)	0.0500 U	0.1	3	0			
Zinc (Zn)	0.0320 *	2.0	3	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW025

TABLE D-14 (CONTINUED)
STATION 25
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	3	0			
Chloride	106.94	250	3	0			
Sulfate	48.81	250	3	0			
Total Dissolved Solids	271.15	400	3	0			
HCO3-	296.97	390	2	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW025

TABLE [illegible]5
STATION 103
VOLATILE ORGANIC COMPOUND CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN ug/l

Analyte	Background Value		ARAR Value		Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value		Minimum Value		Average of All Values**
Chloromethane	10	U			6	0					
Bromomethane	10	U			6	0					
Vinyl Chloride	10	U	2		6	0					
Chloroethane	10	U			6	0					
Methylene Chloride	5	U	5	U	6	2	9	B	5	U	5
Acetone	10	U	50		6	0					
Carbon Disulfide	5	U	5	U	6	0					
1,1-Dichloroethene	5	U	7		6	0					
1,1-Dichloroethane	5	U	5	U	6	0					
1,2-Dichloroethene (total)	5	U	5	U	5	0					
Chloroform	5	U	100		6	0					
1,2-Dichloroethane	5	U	5		6	0					
2-Butanone	10	U			6	0					
1,1,1-Trichloroethane	5	U	200		6	0					
Carbon Tetrachloride	5	U	5		6	5	10		5	U	7
Vinyl Acetate	10	U			6	0					
Bromodichloromethane	5	U			6	0					
1,2-Dichloropropane	5	U			6	0					
cis-1,3-Dichloropropene	5	U			6	0					
Trichloroethene	5	U	5		6	0					
Dibromochloromethane	5	U			6	0					
1,1,2-Trichloroethane	5	U	5	U	6	0					
Benzene	5	U	5	U	6	0					
Trans-1,3-Dichloropropene	5	U			6	0					
Bromoform	5	U			6	0					
4-Methyl-2-pentanone	10	U			6	0					
2-Hexanone	10	U			6	0					
Tetrachloroethene	5	U	5	U	6	0					
1,1,2,2-Tetrachloroethane	5	U	1	U	6	0					
Toluene	5	U	2000		6	0					
Chlorobenzene	5	U			6	0					
Ethylbenzene	5	U			6	0					
Styrene	5	U			6	0					
Total Xylenes	5	U			6	0					

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW103

TABLE D-15 (CONTINUED)
STATION 103
TOTAL RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	7.7450	7.0	4	3	53	< 2.00	26
Gross Beta	9.8880	5.0	4	3	55	< 4.00	28
Strontium 89, 90	2.0400	8.0	4	0			
Plutonium 239, 240	0.0180	.05	5	4	1.4	< 0.01	0.48
Americium 241	0.0420	.05	4	3	.330	< 0.01	0.14
Tritium	257.18	500	5	0			
Total Uranium	1.8000*	5.0	5	2	7.3300	< 1.80	3.9

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW103

TABLE D-15 (CONTINUED)
STATION 64
DISSOLVED RADIOCHEMISTRY CONCENTRATIONS ABOVE ARAR VALUES FOR SURFACE WATER
ALL CONCENTRATIONS IN pCi/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Gross Alpha	4.3760	7.0	1	0			
Gross Beta	8.7980	5.0	1	1	7.20	7.20	7.2
Strontium 89, 90	1.3980	8.0	0	0			
Plutonium 239, 240	0.0000	.05	1	0			
Americium 241	0.0130	.05	0	0			
Total Uranium	1.8000*	5.0	1	1	15.5300	< 1.80	16

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates a less than (<) value, or the counting error for a datum is greater than the datum, the value used in the computation is one half the minimum detectable activity (MDA).
NS-No Standard *MDA-Minimum Detectable Activity
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW064

TABLE D-15 (CONTINUED)
STATION 103
TOTAL METAL CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.9160 *	5.0	6	3	169	0.766	36
Antimony (Sb)	0.0600 U	.06	6	0			
Arsenic (As)	0.0100 U	.05	6	0			
Barium (Ba)	0.2000 U	1.0	6	1	4.23	0.174	1.1015
Beryllium (Be)	0.0050 U	.0050	6	1	.0214	0.002 U	0.0036
Cadmium (Cd)	0.0050 U	.01	6	1	.0241	0.004 U	0.0040
Cesium (Cs)	1.0000 U	1.00	5	1	1.11	.0010 U	0.2220
Chromium (Cr)	0.0100 U	.05	6	1	.172	.0100 U	0.0384
Cobalt (Co)	0.0500 U	.050	6	1	.224	0.020 U	0.0373
Copper (Cu)	0.0250 U	.2	6	1	.213	0.020 U	0.0608
Iron (Fe)	3.1670	.3	6	6	142	0.691	40
Lead (Pb)	0.0050 U	.05	6	3	.656	0.005	0.1528
Lithium (Li)	0.1000 U	2.5	5	0			
Manganese (Mn)	0.6360	.05	6	5	10.70	0.019	2.7192
Mercury (Hg)	0.0010	.002	5	0			
Molybdenum(Mo)	0.1000 U	.1	5	1	.114	.100 U	0.0228
Nickel (Ni)	0.0400 U	.2	6	1	.273	0.020 U	0.0747
Selenium (Se)	0.0050 U	.01	6	0			
Silver (Ag)	0.0106 *	.05	6	0			
Strontium (Sr)	0.3820	.382	6	3	2.27	0.389	0.5650
Thallium (Tl)	0.0500 U	.05 U	6	0			
Tin (Sn)	0.1000 U	.1 U	5	0			
Vanadium (V)	0.0500 U	.1	6	2	.445	0.010 U	0.0411
Zinc (Zn)	0.0276	2.0	6	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW103

TABLE D-15 (CONTINUED)
STATION 103
DISSOLVED METAL CONSTITUENT CONCENTRATIONS ABOVE ARAR VALUES IN SURFACE WATER
ALL CONCENTRATIONS IN mg/l

Analyte	Background Value	ARAR Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Aluminum (Al)	0.4850 *	5.0	6	0			
Antimony (Sb)	0.0600 U	0.06 U	6	0			
Arsenic (As)	0.0100 U	0.05	6	0			
Barium (Ba)	0.2000 U	1.0	6	0			
Beryllium (Be)	0.0050 U	.005	6	0			
Cadmium (Cd)	0.0050 U	0.01	6	0			
Cesium (Cs)	1.0000 U	1.0	5	0			
Chromium (Cr)	0.0100 U	0.05	6	0			
Cobalt (Co)	0.0500 U	0.05	6	0			
Copper (Cu)	0.0250 U	0.2	6	0			
Iron (Fe)	1.7800 •	0.3	6	0			
Lead (Pb)	0.0055 *	0.05	6	0			
Lithium (Li)	0.1000 U	2.5	5	0			
Manganese (Mn)	0.3680 *	0.05	6	2	.0730	0.010 U	0.0355
Mercury (Hg)	0.0003 *	0.002	6	0			
Molybdenum(Mo)	0.1000 U	0.1	5	0			
Nickel (Ni)	0.0400 U	0.20	6	0			
Selenium (Se)	0.0050 U	0.01	6	0			
Silver (Ag)	0.0100 U	0.05	6	0			
Strontium (Sr)	0.3960	.396	6	2	.421	0.395	0.2110
Thallium (Tl)	0.0100 U	0.01 U	6	0			
Tin (Sn)	0.1000 U	0.1	5	0			
Vanadium (V)	0.0500 U	0.1	6	0			
Zinc (Zn)	0.0320 •	2.0	6	0			

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank.
Minimum, Maximum, and Average based on all available data.
Wells/Stations in this group: SW103

TABLE D-15 (CONTINUED)
STATION 103
INORGANIC CONSTITUENT CONCENTRATIONS
ABOVE ARAR VALUE
ALL CONCENTRATIONS IN MG/L

Analyte	Background Value	ARAR/TBC Value	Number of Results	Number of Results Above ARAR	Reported when the maximum value exceeds ARAR: Maximum Value	Minimum Value	Average of All Values
Nitrate-Nitrite as N	2.69	10	10	0			
Chloride	106.94	250	10	0			
Sulfate	48.81	250	10	0			
Total Dissolved Solids	271.15	400	10	8	490	210	406
HCO3-	296.97	390	10	1	710	251	361

The average is computed by first determining the arithmetic mean concentration at individual wells/stations and then using this data to compute the arithmetic mean for the wells/stations in this group. If a datum indicates non-detected, the value used in the computation is one-half the detection limit.
NS-No Standard. U-Detection Limit. J-Present below Detection Limit. B-Present in Blank
Minimum, Maximum, and Average based on all availabe data.
Wells/Stations in this group: SW103

APPENDIX E

OPERABLE UNIT NO. 2

SEDIMENT SAMPLING RESULTS

APPENDIX E-1

OPERABLE UNIT NO. 2

VOLATILE ORGANIC COMPOUNDS

SEDIMENT SAMPLING RESULTS

Operable Unit No. 2

Volatile Organic Sediment Sampling Results

Station Number	Date Sampled	Chloro methane uG/kg	Bromo methane uG/kg	Vinyl Chloride uG/kg	Chloro ethane uG/kg	Methylene Chloride uG/kg	Acetone uG/kg	Carbon Disulfide uG/kg	1,1-Di-chloro ethene uG/kg	1,1-Di-chloro ethane uG/kg
SD011	08/13/86	10 U	10 U	10 U	10 U	2 J	167	5 U	5 U	5 U
SD011	03/13/89	15 U V	15 U V	15 U V	15 U V	3 JB A	15 U V	7 U V	7 U V	7 U V
SD011	10/26/89	13 U	13 U	13 U	13 U	15 B	33 B	7 U	7 U	7 U
SD025	03/08/89	21 U V	21 U V	21 U V	21 U V	3 JB A	21 U V	10 U V	10 U V	10 U V
SD025	10/26/89	Data not yet received								
SD026	03/08/89	15 U V	15 U V	15 U V	15 U V	3 JB A	15 U V	8 U V	8 U V	8 U V
SD026	10/26/89	Data not yet received								
SD027	03/06/89	14 U V	14 U V	14 U V	14 U V	8 B A	5 JB A	7 U V	7 U V	7 U V
SD027	10/26/89	12 U A	12 U A	12 U A	12 U A	22 B A	4 J A	6 U A	6 U A	6 U A
SD028	03/06/89	17 U V	17 U V	17 U V	17 U V	9 B A	8 JB A	8 U V	8 U V	8 U V
SD028	03/06/89	20 U V	20 U V	20 U V	20 U V	11 B A	6 JB A	10 U V	10 U V	10 U V
SD028	10/26/89	Data not yet received								
SD029	03/09/89	16 U V	16 U V	16 U V	16 U V	9 B A	18 V	8 U V	8 U V	8 U V
SD029	03/09/89	60 A	12 U A	12 U A	12 U A	11 B A	12 U A	6 U A	6 U A	6 U A
SD029	10/25/89	17 U	17 U	17 U	17 U	8 U	17 U	8 U	8 U	8 U
SD029	10/25/89	15 U	15 U	15 U	15 U	8 U	15 U	8 U	8 U	8 U
SD029	10/25/89	20 U	20 U	20 U	20 U	10 U	20 U	10 U	10 U	10 U
SD029	10/25/89	16 U	16 U	16 U	16 U	8 U	16 U	8 U	8 U	8 U
SD030	03/08/89	32 U A	32 U A	32 U A	32 U A	5 JB A	32 U A	16 U A	16 U A	16 U A
SD030	03/13/89	14 U V	14 U V	14 U V	14 U V	7 B A	14 U V	7 U V	7 U V	7 U V
SD030	03/13/89	19 J V	10 U V	10 U V	10 U V	16 JB V	220 B V	6 J V	5 U V	5 U V
SD030	03/13/89	30 U V	30 U V	30 U V	30 U V	13 JB A	30 U V	15 U V	15 U V	15 U V
SD030	10/26/89	Data not yet received								
SD031	03/06/89	14 U V	14 U V	14 U V	14 U V	8 B A	8 JB A	7 U V	7 U V	7 U V
SD031	10/26/89	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Sediment Sampling Results

Station Number	Date Sampled	Total-1,2-Dichloro ethene uG/kg	Chloroform uG/kg	1,2-Di-chloro ethane uG/kg	2-Butanone uG/kg	1,1,1-Tri chloro ethane uG/kg	Carbon Tetra chloride uG/kg	Vinyl Acetate uG/kg	Bromo dichloro methane uG/kg	1,2-Di-chloro propane uG/kg
SD011	08/13/86	NR	5 U	5 U	12	5 U	5 U	10 U	5 U	5 U
SD011	03/13/89	7 U V	10	7 U V	15 U V	7 U V	52 A	15 U V	7 U V	7 U V
SD011	10/26/89	7 U	7 U	7 U	13 U	7 U	7 U	13 U	7 U	7 U
SD025	03/08/89	10 U V	10 U V	10 U V	21 U V	10 U V	10 U V	21 U V	10 U V	10 U V
SD025	10/26/89	Data not yet received								
SD026	03/08/89	8 U V	8 U V	8 U V	15 U V	8 U V	8 U V	15 U V	8 U V	8 U V
SD026	10/26/89	Data not yet received								
SD027	03/06/89	7 U V	7 U V	7 U V	14 U V	7 U V	7 U V	14 U V	7 U V	7 U V
SD027	10/26/89	6 U A	6 U A	6 U A	12 U A	6 U A	6 U A	12 U A	6 U A	6 U A
SD028	03/06/89	8 U V	8 U V	8 U V	17 U V	8 U V	8 U V	17 U V	8 U V	8 U V
SD028	03/06/89	10 U V	10 U V	10 U V	20 U V	10 U V	10 U V	20 U V	10 U V	10 U V
SD028	10/26/89	Data not yet received								
SD029	03/09/89	8 U V	8 U V	8 U V	16 U V	8 U V	8 U V	16 U V	8 U V	8 U V
SD029	03/09/89	6 U A	6 U A	6 U A	12 U A	6 U A	6 U A	12 U A	6 U A	6 U A
SD029	10/25/89	8 U	8 U	8 U	17 U	8 U	8 U	17 U	8 U	8 U
SD029	10/25/89	8 U	8 U	8 U	15 U	8 U	8 U	15 U	8 U	8 U
SD029	10/25/89	10 U	10 U	10 U	20 U	10 U	10 U	20 U	10 U	10 U
SD029	10/25/89	8 U	8 U	8 U	16 U	8 U	8 U	16 U	8 U	8 U
SD030	03/08/89	16 U A	16 U A	16 U A	32 U A	16 U A	16 U A	32 U A	16 U A	16 U A
SD030	03/13/89	7 U V	7 U V	7 U V	14 U V	7 U V	7 U V	14 U V	7 U V	7 U V
SD030	03/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SD030	03/13/89	15 U V	15 U V	15 U V	30 U V	15 U V	15 U V	30 U V	15 U V	15 U V
SD030	10/26/89	Data not yet received								
SD031	03/06/89	7 U V	18 V	7 U V	14 U V	7 U V	7 U V	14 U V	7 U V	7 U V
SD031	10/26/89	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Sediment Sampling Results

Station Number	Date Sampled	Cis-1,3-Dichloro propene uG/kg	Trichloro ethene uG/kg	Dibromo chloro methane uG/kg	1,1,2-Tri chloro ethane uG/kg	Benzene uG/kg	Trans-1,3-Dichloro propene uG/kg	Bromoform uG/kg	4-Methyl-2-penta none uG/kg	2-Hexanone uG/kg
SD011	08/13/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SD011	03/13/89	7 U V	17	7 U V	7 U V	7 U V	7 U V	7 U V	15 U V	15 U V
SD011	10/26/89	7 U	7 U	7 U	7 U	7 U	7 U	7 U	13 U	13 U
SD025	03/08/89	10 U V	5 J A	10 U V	10 U V	10 U V	10 U V	10 U V	21 U V	21 U V
SD025	10/26/89	Data not yet received								
SD026	03/08/89	8 U V	3 J A	8 U V	8 U V	8 U V	8 U V	8 U V	15 U V	15 U V
SD026	10/26/89	Data not yet received								
SD027	03/06/89	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	7 U R	14 U V	14 U V
SD027	10/26/89	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	12 U A	12 U A
SD028	03/06/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U R	17 U V	17 U V
SD028	03/06/89	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V	10 U R	20 U V	20 U V
SD028	10/26/89	Data not yet received								
SD029	03/09/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	16 U V	16 U V
SD029	03/09/89	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	12 U A	12 U A
SD029	10/25/89	8 U	8 U	8 U	8 U	8 U	8 U	8 U	17 U	17 U
SD029	10/25/89	8 U	8 U	8 U	8 U	8 U	8 U	8 U	15 U	15 U
SD029	10/25/89	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U
SD029	10/25/89	8 U	8 U	8 U	8 U	8 U	8 U	8 U	16 U	16 U
SD030	03/08/89	16 U A	7 J A	16 U A	16 U A	16 U A	16 U A	16 U R	32 U A	32 U A
SD030	03/13/89	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	14 U A	14 U A
SD030	03/13/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SD030	03/13/89	15 U V	15 U V	15 U V	15 U V	15 U V	15 U V	15 U V	30 U V	30 U V
SD030	10/26/89	Data not yet received								
SD031	03/06/89	7 U V	8 V	7 U V	7 U V	7 U V	7 U V	7 U R	14 U V	14 U V
SD031	10/26/89	Data not yet received								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Volatile Organic Sediment Sampling Results

Station Number	Date Sampled	Tetra chloro ethene uG/kg	1,1,2,2-Tetrachloro ethane uG/kg	Toluene uG/kg	Chloro benzene uG/kg	Ethyl benzene uG/kg	Styrene uG/kg	Total Xylenes uG/kg
SD011	08/13/86	5 U	5 U	1 J	5 U	1 J	5 U	7 J
SD011	03/13/89	39	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V
SD011	10/26/89	7 U	7 U	7 U	7 U	7 U	7 U	7 U
SD025	03/08/89	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V
SD025	10/26/89	Data not yet received						
SD026	03/08/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V
SD026	10/26/89	Data not yet received						
SD027	03/06/89	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V
SD027	10/26/89	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A
SD028	03/06/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V
SD028	03/06/89	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V
SD028	10/26/89	Data not yet received						
SD029	03/09/89	8 U V	8 U V	2 J A	8 U V	8 U V	8 U V	8 U V
SD029	03/09/89	6 U A	6 U A	2 J A	6 U A	6 U A	6 U A	6 U A
SD029	10/25/89	8 U	8 U	8 U	8 U	8 U	8 U	8 U
SD029	10/25/89	8 U	8 U	8 U	8 U	8 U	8 U	8 U
SD029	10/25/89	10 U	10 U	10 U	10 U	10 U	10 U	10 U
SD029	10/25/89	8 U	8 U	8 U	8 U	8 U	8 U	8 U
SD030	03/08/89	16 U A	16 U A	16 U A	16 U A	16 U A	16 U A	16 U A
SD030	03/13/89	7 U A	7 U A	2 J A	7 U A	7 U A	7 U A	7 U A
SD030	03/13/89	5 U V	5 U V	6 J V	5 U V	5 U V	5 U V	5 U V
SD030	03/13/89	15 U V	15 U V	4 J A	15 U V	15 U V	15 U V	15 U V
SD030	10/26/89	Data not yet received						
SD031	03/06/89	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V
SD031	10/26/89	Data not yet received						

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX E-2

OPERABLE UNIT NO. 2

SEMI-VOLATILE ORGANIC COMPOUNDS

SEDIMENT SAMPLING RESULTS

Operable Unit No. 2

Semivolatile Organic Sediment Sampling Results

Station Number	Date Sampled	Phenol uG/kg	bis(2-Chloro ethyl)Ether uG/kg	2-Chloro phenol uG/kg	1,3-Dichloro benzene uG/kg	1,4-Dichloro benzene uG/kg	Benzyl Alcohol uG/kg	1,2-Dichloro benzene uG/kg	2-Methyl phenol uG/kg	bis(2-Chloro isopropyl) Ether uG/kg
SD011	08/13/86	210 U	210 U	210 U	210 U	210 U	210 U	210 U	210 U	210 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Semivolatile Organic Sediment Sampling Results

Station Number	Date Sampled	4-Methyl phenol uG/kg	N-Nitroso-di-n-propylamine uG/kg	Hexachloro ethane uG/kg	Nitro benzene uG/kg	Isophorone uG/kg	2-Nitro phenol uG/kg	2,4-Dimethyl phenol uG/kg	Benzoic Acid uG/kg	bis(2-Chloro ethoxy) Methane uG/kg
SD011	08/13/86	210 U	210 U	210 U	210 U	210 U	210 U	210 U	1000 U	210 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Semivolatile Organic Sediment Sampling Results

Station Number	Date Sampled	2,4-Dichloro phenol uG/kg	1,2,4-Trichloro benzene uG/kg	Napthalene uG/kg	4-Chloro aniline uG/kg	Hexachloror butadiene uG/kg	4-Chloro-3-methyl phenol uG/kg	2-Methyl naphthalene uG/kg	Hexachloro cyclo pentadiene uG/kg	2,4,6-Trichloro phenol uG/kg
SD011	08/13/86	210 U	210 U	210 U	210 U	210 U	210 U	210 U	210 U	210 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Semivolatile Organic Sediment Sampling Results

Station Number	Date Sampled	2,4,5-Trichloro phenol uG/kg	2-Chloro naphthalene uG/kg	2-Nitro aniline uG/kg	Dimethyl Phthalate uG/kg	Ace naphthylene uG/kg	3-Nitro aniline uG/kg	Ace naphthene uG/kg	2,4-Dinitro phenol uG/kg	4-Nitro phenol uG/kg
SD011	08/13/86	1000 U	210 U	1000 U	210 U	210 U	1000 U	210 U	1000 U	1000 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Semivolatile Organic Sediment Sampling Results

Station Number	Date Sampled	Dibenzo furan uG/kg	2,4-Dinitro toluene uG/kg	2,6-Dinitro toluene uG/kg	Diethyl phthalate uG/kg	4-Chloro phenyl-phenylether uG/kg	Fluorene uG/kg	4-Nitro aniline uG/kg	4,6-Dinitro-2-methyl phenol uG/kg	N-Nitrosodi phenylamine uG/kg
SD011	08/13/86	210 U	210 U	210 U	210 U	210 U	210 U	1000 U	1000 U	170 JB
SD011	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								

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J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Semivolatile Organic Sediment Sampling Results

Station Number	Date Sampled	4-Bromophenyl-phenylether uG/kg	Hexachloro benzene uG/kg	Pentachloro phenol uG/kg	Phenanthrene uG/kg	Anthracene uG/kg	di-n-Butyl Phthalate uG/kg	Fluoranthene uG/kg	Pyrene uG/kg	Butyl Benzyl Phthalate uG/kg
SD011	08/13/86	210 U	210 U	1000 U	210 U	210 U	40 J	210 U	210 U	210 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								

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Operable Unit No. 2

Semivolatile Organic Sediment Sampling Results

Station Number	Date Sampled	3,3'-Dichloro benzidine uG/kg	Benzo(a) Anthracene uG/kg	bis(2-Ethylhexyl) Phthalate uG/kg	Chrysene uG/kg	di-n-Octyl Phthalate uG/kg	Benzo(b) Fluoranthene uG/kg	Benzo(k) Fluoranthene uG/kg	Benzo(a) Pyrene uG/kg	Indeno (1,2,3-cd) Pyrene uG/kg
SD011	08/13/86	420 U	210 U	40 J	210 U	210 U	210 U	210 U	210 U	210 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS								

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Semivolatile Organic Sediment Sampling Results

Station Number	Date Sampled	Dibenz(a,h) Anthracene uG/kg	Benzo(g,h,i) Perylene uG/kg
SD011	08/13/86	210 U	210 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD011	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD025	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD025	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD026	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD026	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD027	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD027	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD028	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD028	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD029	03/09/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD029	10/25/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD030	03/08/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD030	03/13/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD030	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD031	03/06/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	
SD031	10/26/89	INSUFFICIENT SAMPLE FOR SEMIVOLATILE ORGANIC ANALYSIS	

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APPENDIX E-3

OPERABLE UNIT NO. 2

PESTICIDE/PCB

SEDIMENT SAMPLING RESULTS

Operable Unit No. 2

Pesticide/PCB Sediment Sampling Results

Station Number	Date Sampled	Alpha-BHC uG/kg	Beta-BHC uG/kg	Delta-BHC uG/kg	Gamma-BHC uG/kg	Heptachlor uG/kg	Aldrin uG/kg	Heptachlor Epoxide uG/kg	Endosulfan I uG/kg	Dieldrin uG/kg
SD011	08/13/86	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								

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Operable Unit No. 2

Pesticide/PCB Sediment Sampling Results

Station Number	Date Sampled	4,4'-DDE uG/kg	Endrin uG/kg	Endosulfan II uG/kg	4,4'-DDD uG/kg	Endosulfan Sulfate uG/kg	4,4'-DDT uG/kg	Methoxychlor uG/kg	Endrin Ketone uG/kg	Chlordane uG/kg
SD011	08/13/86	3 U	3 U	3 U	3 U	3 U	3 U	15 U	3 U	15 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								

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Operable Unit No. 2

Pesticide/PCB Sediment Sampling Results

Station Number	Date Sampled	alpha Chlordane uG/kg	gamma Chlordane uG/kg	Toxaphene uG/kg	Aroclor-1016 uG/kg	Aroclor-1221 uG/kg	Aroclor-1232 uG/kg	Aroclor-1242 uG/kg	Aroclor-1248 uG/kg	Aroclor-1254 uG/kg
SD011	08/13/86	NR	NR	30 U	15 U	15 U	15 U	15 U	15 U	30 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD011	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD025	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD025	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD026	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD026	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD027	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD027	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD028	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	03/09/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD030	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD031	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								
SD031	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS								

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Operable Unit No. 2
Pesticide/PCB Sediment Sampling Results

Station Number	Date Sampled	Aroclor-1260 uG/kg
SD011	08/13/86	30 U
SD011	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD011	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD025	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD025	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD026	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD026	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD027	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD027	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD028	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD028	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD028	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD029	03/09/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD029	03/09/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD029	10/25/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD030	03/08/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD030	03/13/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD030	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD031	03/06/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS
SD031	10/26/89	INSUFFICIENT SAMPLE FOR PESTICIDE/PCB ANALYSIS

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APPENDIX E-4

OPERABLE UNIT NO. 2

TOTAL METALS

SEDIMENT SAMPLING RESULTS

Operable Unit No. 2

Total Metal Sediment Sampling Results

Station Number	Date Sampled	Aluminum (Al), total mg/kg		Antimony (Sb), total mg/kg		Arsenic (As), total mg/kg		Barium (Ba), total mg/kg		Beryllium (Be), total mg/kg		Cadmium (Cd), total mg/kg		Calcium (Ca), total mg/kg		Cesium (Cs), total mg/kg		Chromium (Cr), total mg/kg	
SD011	08/13/86	15100		1.2 U		0.23 U		20 U		0.50 U		1.2		132000		12 U		6.1	
SD011	03/13/89	6920	V	17.8 U	A	4.5	V	95.3	V	2.5	V	1.5 U	V	27400	V	296 U	V	7.9	V
SD011	10/26/89	10800		15.4 U		3.6		93.7		1.3 U		1.4		32200		256 U		12.7	
SD025	03/08/89	12800	V	24.7 U	R	NR		165	V	4.6	V	2.1 U	V	9970	A	412 U	V	14.3	V
SD025	10/26/89	11800		24.5		2.8 U		250		1.3 U		1.3		6150		252 U		13.0	
SD026	03/08/89	7920	V	17.7 U	R	4.8	A	149	V	6.4	V	1.5 U	V	4760	A	295 U	V	10.7	V
SD026	10/26/89	2660		22.7		3.3		47.7 U		1.2 U		1.2 U		1190 U		238 U		4.1	
SD027	03/06/89	9890	A	17.0 U	R	2.8 U	A	107	A	9.2	A	1.4 U	V	3420	V	284 U	V	13.0	A
SD027	10/26/89	6080		14.1 U		2.8		61.3		1.2 U		1.2 U		1780		235 U		8.0	
SD028	03/06/89	14100	A	18.8 U	R	5.2	A	224	A	15.0	A	1.6 U	V	22600	V	314 U	V	16.7	A
SD028	03/06/89	11900	A	22.9 U	A	5.4	A	257	A	15.5	V	1.9 U	V	24000	V	382 U	V	16.7	A
SD028	10/26/89	14700		16.8 U		4.9		141		1.4 U		1.5		22700		280 U		19.6	
SD029	03/09/89	15300	V	17.9 U	R	4.3	A	138	V	3.8	V	1.5 U	V	4650	A	298 U	V	17.5	V
SD029	03/09/89	8190	V	14.8 U	R	2.6	A	77.4	V	2.1	V	1.2 U	V	7810	A	247 U	V	11.2	V
SD029	10/25/89	10900		155 U		3.8		122		0.62 U		1.2 U		9020		1.0 U		11.1	
SD029	10/25/89	13800		150 U		5.5		176		0.60 U		2.3		13300		1.0 U		14.5	
SD029	10/25/89	14400		184 U		5.0		161		0.74 U		1.5 U		14200		1.0 U		20.9	
SD029	10/25/89	9790		157 U		4.1		137		0.63 U		1.4		11500		1.0 U		14.6	
SD030	03/08/89	24800	V	37.0 U	R	6.3 U	A	300	V	6.9	V	3.1 U	V	14900	A	616 U	V	26.8	V
SD030	03/13/89	6920	V	16.3 U	R	2.6 U	A	132	V	2.5	V	1.4 U	V	3520	A	271 U	V	9.4	V
SD030	03/13/89	9360	V	42.1 U	R	6.9 U	V	140 U	V	3.9	V	3.5 U	V	4850	V	702 U	V	14.4	V
SD030	03/13/89	7740	V	35.7 U	A	5.7 U	A	184	V	3.2	V	3.0 U	V	4390	A	595 U	V	11.8	V
SD030	10/26/89	8480		19.4		2.5 U		88.9		1.3 U		1.3 U		5020		250 U		9.8	
SD031	03/06/89	7670	A	16.3 U	R	5.5	A	100	A	9.4	A	1.4 U	V	56700	V	272 U	V	8.1	A
SD031	10/26/89	8260		13.5 U		4.6		92.1		1.1 U		1.1 U		42200		225 U		9.8	

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Operable Unit No. 2

Total Metal Sediment Sampling Results

Station Number	Date Sampled	Cobalt (Co), total mg/kg	Copper (Cu), total mg/kg	Iron (Fe), total mg/kg	Lead (Pb), total mg/kg	Lithium (Li), total mg/kg	Magnesium (Mg), total mg/kg	Manganese (Mn), total mg/kg	Mercury (Hg), total mg/kg	Molybdenum (Mo), total mg/kg
SD011	08/13/86	12	13	5280	4.4	NR	612	88	0.72	2.2
SD011	03/13/89	14.8 U V	13.2 V	8980 V	12.2 V	7.2 V	1980 V	152	0.14 U V	3.0 U V
SD011	10/26/89	12.8 U	10.2	11000	15.4	25.6 U	2130	125	0.12 U	25.6 U
SD025	03/08/89	20.6 U V	19.9 V	19100 V	22.1 V	9.0 V	2760 A	228	NR	4.1 U V
SD025	10/26/89	12.6 U	12.9	19400	16.8	25.2 U	2240	213	0.14 U	25.2 U
SD026	03/08/89	14.8 U V	15.5 V	28800 V	17.3 V	6.3 V	1640 A	717	NR	3.0 U V
SD026	10/26/89	11.9 U	6.0 U	20100	7.0	23.8 U	1190 U	213	0.098 U	23.8 U
SD027	03/06/89	14.2 U V	12.2 V	13200 V	9.2 A	28.4 U V	1980 V	297 A	0.14 U V	28.4 U V
SD027	10/26/89	11.8 U	6.3	16000	7.9	23.5 U	1180 U	207	0.11 U	23.5 U
SD028	03/06/89	15.7 U V	23.9 V	21400	18.6 A	31.4 U V	4220 V	308 A	0.17 U V	31.4 U V
SD028	03/06/89	19.1 U V	36.3 V	21500	17.3 A	38.2 U V	4060 V	484 A	0.20 U V	38.2 U V
SD028	10/26/89	14.0 U	18.9	21200	16.4	28.0 U	3660	242	0.15 U	28.0 U
SD029	03/09/89	14.9 U V	17.6 V	16000 V	21.9 V	13.2 V	2930 V	198	NR	10.3 V
SD029	03/09/89	12.3 U V	18.3 V	7840 V	22.5 V	7.6 V	1700 V	99.6	NR	5.1 V
SD029	10/25/89	6.2 U	29.1	12400	23.6	8.0	2580	229	0.14 U	155 U
SD029	10/25/89	8.2	6.0 U	18200	26.1	12.3	3550	295	0.13 U	150 U
SD029	10/25/89	7.4 U	40.4	17100	29.3	11.8	3590	335	0.17 U	184 U
SD029	10/25/89	6.3	6.3 U	14600	23.0	8.5	2590	266	0.12 U	157 U
SD030	03/08/89	30.8 U V	34.3 V	28900 V	66.4 V	27.8 V	5970 A	1390	NR	6.2 U V
SD030	03/13/89	13.6 U V	14.9 V	9270 V	13.7 V	4.4 V	1390 V	157	0.12 U A	4.6 V
SD030	03/13/89	35.1 U V	18.9 V	10700 V	39.2 V	10.9 V	3510 U V	87.0	0.35 U V	12.6 V
SD030	03/13/89	29.8 U V	17.1 V	12200 V	49.0 V	8.5 V	2980 U V	573	0.56 A	6.0 V
SD030	10/26/89	12.5 U	11.8	12000	13.1	25.0 U	1900	189	0.11 U	25.0 U
SD031	03/06/89	13.6 U V	12.8 V	15300	11.4 A	27.2 U V	5230 V	171 A	0.14 U V	27.2 U V
SD031	10/26/89	11.2 U	12.2	12000	12.5	22.5 U	4570	128	0.11 U	22.5 U

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Operable Unit No. 2

Total Metal Sediment Sampling Results

Station Number	Date Sampled	Nickel (Ni), total mg/kg	Potassium (K), total mg/kg	Selenium (Se), total mg/kg	Silver (Ag), total mg/kg	Sodium (Na), total mg/kg	Strontium (Sr), total mg/kg	Thallium (Tl), total mg/kg	Tin (Sn), Total mg/kg	Vanadium (V), total mg/kg
SD011	08/13/86	34	5180	0.23 U	1.2 U	670	15	4.1	NR	15
SD011	03/13/89	11.8 U V	1480 U V	1.5 U A	15.0 V	1480 U V	62.4 V	2.9 U A	404 A	22.3 V
SD011	10/26/89	11.3	1280 U	1.3 U	2.6 U	1280 U	256 U	2.5 U	25.6 U	35.2
SD025	03/08/89	16.5 U A	2060 U V	2.0 U A	32.1 V	2060 U V	92.6 V	4.0 U V	536 A	31.9 V
SD025	10/26/89	14.0	1260 U	1.4 U	2.5 U	1260 U	252 U	2.8 U	25.2 U	31.7
SD026	03/08/89	24.6 A	1480 U V	1.5 U A	48.9 V	1480 U V	40.4 V	3.1 U A	364 A	49.5 V
SD026	10/26/89	9.5 U	1190 U	1.2 U	2.4 U	1190 U	238 U	2.4 U	23.8 U	21.4
SD027	03/06/89	11.4 U A	1440 A	1.4 U A	2.8 U A	1420 U V	37.2 V	2.8 U R	28.4 U V	27.1 V
SD027	10/26/89	11.4	1180 U	1.2 U	2.4 U	1180 U	235 U	2.3 U	23.5 U	29.9
SD028	03/06/89	20.2 A	1730 A	1.6 U A	3.1 U A	1570 U V	101 V	3.2 U R	31.4 U V	36.3 V
SD028	03/06/89	21.7 A	1910 U A	2.0 U A	3.8 U A	1910 U V	104 V	4.0 U R	38.2 U V	33.4 V
SD028	10/26/89	21.8	1400 U	1.4 U	2.8 U	1400 U	280 U	2.8 U	28.0 U	50.9
SD029	03/09/89	15.1 A	2030 V	1.5 U A	27.6 V	1490 U V	46.7 V	3.1 U V	388 A	39.9 V
SD029	03/09/89	9.9 U A	1230 U V	1.2 U V	13.3 V	1230 U V	40.6 V	2.4 U A	314 A	21.0 V
SD029	10/25/89	15.6	1580	0.64 U	9.3 U	216	51.5	0.96 U	309 U	30.7
SD029	10/25/89	19.5	1950	0.56 U	9.0 U	201	71.1	0.85 U	300 U	37.2
SD029	10/25/89	23.0	2060	0.75 U	11.0 U	224	72.7	1.1 U	368 U	40.4
SD029	10/25/89	19.1	1460	0.60 U	9.4 U	163	55.7	0.90 U	314 U	30.2
SD030	03/08/89	24.7 U A	3570 V	15.7 U A	49.1 V	3080 U V	179 V	6.3 U A	819 A	58.4 V
SD030	03/13/89	10.9 U A	1360 U V	1.3 U A	15.7 V	1360 U V	51.6 V	2.6 U A	332 A	27.7 V
SD030	03/13/89	28.1 U V	3510 U V	21.3 V	17.8 V	3510 U V	70.2 U V	6.9 U V	1080 A	35.1 U V
SD030	03/13/89	23.8 U A	2980 U V	2.9 U V	20.7 V	2980 U V	59.5 U V	5.7 U A	904 A	29.8 U V
SD030	10/26/89	11.0	1250 U	1.3 U	2.5 U	1250 U	250 U	2.5 U	25.0 U	29.4
SD031	03/06/89	10.9 U A	1360 U A	6.8 U A	2.7 U A	1360 U V	168 V	2.7 U R	27.2 U V	17.4 V
SD031	10/26/89	14.2	1120 U	1.1 U	2.2 U	1120 U	225 U	2.3 U	22.5 U	23.2

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Operable Unit No. 2

Total Metal Sediment Sampling Results

Station Number	Date Sampled	Zinc (Zn), total mg/kg	
SD011	08/13/86	660	
SD011	03/13/89	735	V
SD011	10/26/89	644	
SD025	03/08/89	64.4	A
SD025	10/26/89	80.8	
SD026	03/08/89	48.0	A
SD026	10/26/89	45.5	
SD027	03/06/89	42.3	A
SD027	10/26/89	63.2	
SD028	03/06/89	93.3	A
SD028	03/06/89	98.0	A
SD028	10/26/89	93.4	
SD029	03/09/89	62.8	V
SD029	03/09/89	87.8	V
SD029	10/25/89	126	
SD029	10/25/89	78.7	
SD029	10/25/89	140	
SD029	10/25/89	63.7	
SD030	03/08/89	136	A
SD030	03/13/89	36.3	V
SD030	03/13/89	68.0	V
SD030	03/13/89	56.8	V
SD030	10/26/89	104	
SD031	03/06/89	42.6	A
SD031	10/26/89	72.7	

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APPENDIX E-5

OPERABLE UNIT NO. 2

OTHER INORGANIC COMPOUNDS

SEDIMENT SAMPLING RESULTS

Operable Unit No. 2

Inorganic Sediment Sampling Results

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/KG			pH pH Unit
SD011	08/13/86	38.1			NR
SD011	03/13/89	1.6	U		8.1
SD011	10/26/89	1.3	U	V	8.2
SD025	03/08/89	3.9			7.5
SD025	10/26/89	1.7	U	V	8.2
SD026	03/08/89	3.0			8.1
SD026	10/26/89	1.3		V	8.2
SD027	03/06/89	1.7	U		8.0
SD027	10/26/89	1.3	U	V	7.3
SD028	03/06/89	2.6	U		8.0
SD028	03/06/89	2.5	U		7.9
SD028	10/26/89	1.6	U	V	7.5
SD029	03/09/89	2.5	U		7.9
SD029	03/09/89	4.4	U		7.8
SD029	10/25/89	1.7	U	V	7.2
SD029	10/25/89	1.4	U	V	7.5
SD029	10/25/89	1.6	U	V	7.4
SD029	10/25/89	1.7	U	V	7.6
SD030	03/08/89	8.1			7.8
SD030	03/13/89	1.8	U		7.2
SD030	03/13/89	6.8	U		7.1
SD030	03/13/89	1.9	U		7.4
SD030	10/26/89	1.3	U	V	8.4
SD031	03/06/89	2.1			8.6
SD031	10/26/89	1.2	U	V	7.9

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APPENDIX E-6

OPERABLE UNIT NO. 2

TOTAL RADIONUCLIDES

SEDIMENT SAMPLING RESULTS

Operable Unit No. 2

Total Radiochemistry Sediment Sampling Results

Station Number	Date Sampled	Gross Alpha pCi/g	Gross Beta pCi/g	Uranium 233, 234 pCi/g	Uranium 235 pCi/g	Uranium 238 pCi/g
SD011	08/13/86	19 ± 9	13 ± 6	0.29 ± 0.18	NR	0.29 ± 0.18
SD011	03/13/89	13 ± 14	24 ± 6	1.2 ± 0.2	0.2 ± 0.1	1.2 ± 0.2
SD011	10/26/89	Data not yet received				
SD025	03/08/89	46 ± 16	33 ± 7	2.1 ± 0.4	0.0 ± 0.1	2.7 ± 0.4
SD025	10/26/89	Data not yet received				
SD026	03/08/89	35 ± 16	21 ± 6	0.7 ± 0.2	0.0 ± 0.1	0.5 ± 0.2
SD026	10/26/89	Data not yet received				
SD027	03/06/89	Data not yet received				
SD027	10/26/89	Data not yet received				
SD028	03/06/89	Data not yet received				
SD028	03/06/89	Data not yet received				
SD028	10/26/89	Data not yet received				
SD029	03/09/89	41 ± 16	26 ± 6	0.8 ± 0.2	0.0 ± 0.1	1.3 ± 0.2
SD029	03/09/89	43 ± 16	34 ± 6	0.3 ± 0.1	0.1 ± 0.1	1.0 ± 0.2
SD029	10/25/89	Data not yet received				
SD029	10/25/89	Data not yet received				
SD029	10/25/89	Data not yet received				
SD029	10/25/89	Data not yet received				
SD030	03/08/89	77 ± 20	44 ± 7	0.9 ± 0.2	0.0 ± 0.1	0.8 ± 0.2
SD030	03/13/89	62 ± 18	30 ± 6	1.6 ± 0.2	0.0 ± 0.1	1.3 ± 0.2
SD030	03/13/89	75 ± 20	46 ± 6	0.7 ± 0.2	0.0 ± 0.1	1.0 ± 0.2
SD030	03/13/89	24 ± 15	24 ± 6	1.0 ± 0.2	0.1 ± 0.1	1.3 ± 0.3
SD030	10/26/89	Data not yet received				
SD031	03/06/89	Data not yet received				
SD031	10/26/89	Data not yet received				

VALUE QUALIFIERS: NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Radiochemistry Sediment Sampling Results

Station Number	Date Sampled	Strontium 89,90 pCi/g	Plutonium 239 pCi/g	Americium 241 pCi/g	Cesium 137 pCi/g	Tritium pCi/ml
SD011	08/13/86	NR	0.02 ± 0.02	0.02 ± 0.02	NR	0.18 ± 0.26
SD011	03/13/89	-0.1 ± 0.4	0.10 ± 0.03	NR	0.0 ± 0.1	0.18 ± 0.16
SD011	10/26/89	Data not yet received				
SD025	03/08/89	-0.2 ± 0.3	3.3 ± 0.1	NR	0.3 ± 0.1	0.09 ± 0.16
SD025	10/26/89	Data not yet received				
SD026	03/08/89	0.1 ± 0.5	0.42 ± 0.05	NR	0.1 ± 0.1	-0.01 ± 0.16
SD026	10/26/89	Data not yet received				
SD027	03/06/89	Data not yet received				
SD027	10/26/89	Data not yet received				
SD028	03/06/89	Data not yet received				
SD028	03/06/89	Data not yet received				
SD028	10/26/89	Data not yet received				
SD029	03/09/89	-0.2 ± 0.4	0.3 ± 0.1	NR	0.1 ± 0.1	0.20 ± 0.16
SD029	03/09/89	0.0 ± 0.5	0.85 ± 0.08	NR	0.3 ± 0.1	0.17 ± 0.16
SD029	10/25/89	Data not yet received				
SD029	10/25/89	Data not yet received				
SD029	10/25/89	Data not yet received				
SD029	10/25/89	Data not yet received				
SD030	03/08/89	0.0 ± 0.7	0.82 ± 0.08	NR	0.5 ± 0.1	0.00 ± 0.16
SD030	03/13/89	-0.4 ± 0.6	0.46 ± 0.06	NR	0.0 ± 0.1	0.19 ± 0.16
SD030	03/13/89	0.5 ± 0.8	0.45 ± 0.05	NR	0.0 ± 0.1	0.09 ± 0.16
SD030	03/13/89	0.0 ± 0.6	0.08 ± 0.03	NR	0.0 ± 0.1	0.11 ± 0.16
SD030	10/26/89	Data not yet received				
SD031	03/06/89	Data not yet received				
SD031	10/26/89	Data not yet received				

VALUE QUALIFIERS: NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated.) R = Rejected; A = Acceptable with qualifications; V = Valid