SNL 06

National Nuclear Security Administration
Sandia Site Office
P.O. Box 5400
Albuquerque, New Mexico 87185-5400

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CERTIFIED MAIL – RETURN RECEIPT REQUESTED

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Mr. James Bearzi, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Road East, Building 1
Santa Fe, NM 87505

Dear Mr. Bearzi:

On behalf of the Department of Energy (DOE) and Sandia Corporation, DOE is submitting the enclosed responses to NMED's Request for Supplemental Information for SWMU 4, the Liquid Waste Disposal System Surface Impoundments, that was included as part of the letter dated November 2, 2005 referenced as Notice of Approval: SWMUs 52, 233, and 234, Notice of Disapproval: SWMUs 4 and 5, Environmental Restoration Project Supplemental Risk Document, June 2005 Sandia National Laboratories, New Mexico, EPA ID No. NM589011518, HWB-SNL-99-006 and 99-020.

If you have any questions, please contact me at (505) 845-6036, or John Gould at (505) 845-6089.

Sincerely,

Patty Wagner

Patty Wagner
Manager

Enclosure

cc w/enclosure:
W. Moats, NMED-HWB (via Certified Mail)
L. King, EPA, Region 6 (Via Certified Mail)
J. Volkerding, DOE-NMED-OB (2 copies)

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Mr. J. Bearzi (2)

cc w/o enclosure:
F. Nimick, SNL, MS 1089
R. E. Fate, SNL, MS 1089
M. J. Davis, SNL, MS 1089
D. Stockham, SNL, MS 1087
B. Langkopf, SNL, MS 1087
J. Copland, SNL, MS 1087
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AOP 95-45, 06

CERTIFICATION STATEMENT FOR APPROVAL AND FINAL RELEASE OF DOCUMENTS

Document title: **Environmental Restoration Project Responses to NMED Request For Supplemental Information for Solid Waste Management Unit 4, Liquid Waste Disposal System Surface Impoundments Dated November 2005**

Document authors: Brenda Langkopf, 6146 and Paul Freshour, 6140

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Signature: _____ 12/21/05

Peter B. Davies
Director
Geoscience & Environment Center
Division 6100
Sandia National Laboratories/New Mexico
Albuquerque, New Mexico 87185
Operator

Date

and

Signature: _____ 1-5-06

Patty Wagner
Manager
U.S. Department of Energy
National Nuclear Security Administration
Sandia Site Office
Owner and Co-Operator

Date

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Sandia National Laboratories
Albuquerque, New Mexico
January 2006

Environmental Restoration Project Responses to NMED Request for Supplemental Information for Solid Waste Management Unit 4, Liquid Waste Disposal System Surface Impoundments Dated November 2005

INTRODUCTION

This document responds to the November 2, 2005 "Notice of Disapproval for SWMU [Solid Waste Management Unit] 4 (LWDS [Liquid Waste Disposal System] Surface Impoundments)" requesting additional information. The notice was from James P. Bearzi of the State of New Mexico Environment Department (NMED) Hazardous Waste Bureau to the U.S. Department of Energy and Sandia National Laboratories/New Mexico (SNL/NM). This response, considered to be a response to a Request for Supplemental Information, was due within sixty (60) days of receipt of the letter by SNL/NM, or by January 6, 2006.

In this document, the NMED comments (in bold font) are restated in the same order in which they were provided in the notice. Following each comment, the word "Response" introduces the U.S. Department of Energy/SNL/NM reply (in normal font style).

1. **Submit all surface and subsurface soil data collected from the investigations at SWMU 4 in the form of tables using the currently accepted format.**

   Response: Data tables in the currently acceptable format are provided in Attachment A. These tables provide the data that was used as the basis for the risk assessment, which concluded that this site poses insignificant risk to human health under both the industrial and residential land-use scenarios.

2. **Provide a map of SWMU 4 that shows the locations of the surface impoundments, soil sample collection points, boreholes, and monitoring wells.**

   Response: Attachment B includes two figures. Figure B-1 is a Technical Area III and V (TA-III/V) location map showing the LWDS SWMUs (4, 5, and 52), and the 13 wells

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National Nuclear Security Administration under Contract DE-AC04-94AL85000.

SNL 1117

that comprise the TA-III/V monitoring well network. Figure B-2 is a map of SWMU 4 that includes the land-surface elevation contours of the surface impoundments, the 1992 soil-sampling grid and sample locations, the boreholes and monitoring wells that are in the immediate vicinity of, and most directly associated with SWMU 4.

3. **Discuss the fate of the resin beads that were encountered in the soil beneath the drainline outfall from Impoundment 1 at SWMU 4.**

Response: The location of the resin beads is shown in Attachment B on Figure B-2; the location is identified in the legend as "Hot Spot (HS) Soil Sample at Drain Outfall." There are two sections in the 1995 Resource Conservation and Recovery Act (RCRA) Field Investigation Report that deal with the resin beads. As indicated on Page 4-26 of the report, ". . . resin beads were dispersed in the soil directly beneath the surface of the Impoundment 1 drainline outfall. These resin beads probably resulted from backflushing of the ion-exchange resin beds, the major discharge activity of the SERF [Sandia Engineering Reactor Facility]." And as indicated on Page 4-38, "The highest levels of [radioactive] contamination were directly under the Impoundment 1 drainline outfall . . ."

The resin beads still remain in the soil at the site. As shown in the June 2005 risk assessment, the radionuclide activity associated with the resin beads when left in place was determined to provide an acceptable dose level for unrestricted release. Thus no action was taken to remove the resin beads.

4. **Clarify whether the impoundments at SWMU 4 will be backfilled to grade with native soil, as was stated in the Summary and Conclusions section of the 1995 RCRA Field Investigation Report for the Liquid Waste Disposal System.**

Response: It has been determined that the site does not constitute a safety hazard. The decision not to backfill the site was discussed with NMED personnel in January 2003 but not formally documented. On 12/16/2005, SWMU 4 was inspected by SNL/NM Safety Engineering personnel from Department 10322 to verify the prior determination and to document the results. This inspection confirmed that SWMU 4 meets New Mexico and Federal Occupational Safety and Health Administration excavation requirements, including the following from Subpart P – Excavations:

1. The site is fenced/barricaded from access - 29CFR1926.651(f)
2. The site is posted/signed - 29CFR1926.651(f)
3. The site is not directly exposed to vehicle traffic - 29CFR1926.651(d)
4. The excavation slopes are 1.5 to 1 (34 degrees from the horizontal) - 29CFR1926.652(b)(1)

Therefore, the SNL/NM ER Project does not plan to backfill the site.

ATTACHMENT A
SWMU 4
Data Tables

Table A-1
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Acetone	Benzene	2-Butanone	2-Hexanone	Methylene chloride
04401	LWDS-04-BH01	5	ND (10)	ND (5)	ND (10)	ND (10)	**6.7**
04401	LWDS-04-BH01	10	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04401	LWDS-04-BH01	15	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04401	LWDS-04-BH01	20	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04430	LWDS-04-BH01	25	**66**	ND (5)	ND (10)	ND (10)	ND (5)
04430	LWDS-04-BH01	30	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04430	LWDS-04-BH01	35	**82**	ND (5)	ND (10)	ND (10)	ND (5)
04430	LWDS-04-BH01	35(D)	**130**	ND (5)	ND (10)	ND (10)	ND (5)
04429	LWDS-04-BH01	40	ND (10)	ND (5)	ND (10)	ND (10)	**5.6**
04429	LWDS-04-BH01	45	ND (10)	ND (5)	ND (10)	ND (10)	**5.4**
04429	LWDS-04-BH01	50	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04429	LWDS-04-BH01	55	**41**	ND (5)	ND (10)	ND (10)	**5.1**
04428	LWDS-04-BH01	60	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04425	LWDS-04-BH01	75	**120**	ND (5)	ND (10)	ND (10)	ND (5)
04425	LWDS-04-BH01	80	**16**	ND (5)	ND (10)	ND (10)	ND (5)
04425	LWDS-04-BH01	85	ND (10)	ND (5)	ND (10)	ND (10)	**5.9**
04424	LWDS-04-BH01	90	**4,300**	ND (5)	**170**	**24**	ND (5)
04424	LWDS-04-BH01	95	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04424	LWDS-04-BH01	95(D)	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04402	LWDS-04-BH02	5	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04402	LWDS-04-BH02	10	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04402	LWDS-04-BH02	15	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04402	LWDS-04-BH02	20	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04423	LWDS-04-BH02	25	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04423	LWDS-04-BH02	30	**10**	ND (5)	ND (10)	ND (10)	ND (5)
04423	LWDS-04-BH02	35	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04423	LWDS-04-BH02	40	**12**	ND (5)	ND (10)	ND (10)	ND (5)
04421	LWDS-04-BH02	45	**39**	ND (5)	ND (10)	ND (10)	ND (5)
04421	LWDS-04-BH02	50	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04421	LWDS-04-BH02	50(D)	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04421	LWDS-04-BH02	70	**110**	ND (5)	**11**	ND (10)	ND (5)
04420	LWDS-04-BH02	75	ND (10)	ND (5)	ND (10)	ND (10)	**5.2**
04420	LWDS-04-BH02	75(D)	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Acetone	Benzene	2-Butanone	2-Hexanone	Methylene chloride
04420	LWDS-04-BH02	80	**12**	ND (5)	ND (10)	ND (10)	**5.9**
4403	LWDS-04-BH02	85	**24**	ND (5)	ND (10)	ND (10)	**5.9**
4403	LWDS-04-BH02	90	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4403	LWDS-04-BH02	95	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4403	LWDS-04-BH02	95(D)	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4404	LWDS-04-BH02	100	**12**	ND (5)	ND (10)	ND (10)	**5.2**
4417	LWDS-04-BH03	5	ND (10)	ND (5)	ND (10)	ND (10)	**6.3**
4417	LWDS-04-BH03	10	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4417	LWDS-04-BH03	15	ND (10)	ND (5)	ND (10)	ND (10)	**6.8**
4417	LWDS-04-BH03	20	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4416	LWDS-04-BH03	20(D)	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4416	LWDS-04-BH03	25	**26**	ND (5)	ND (10)	ND (10)	**7**
4416	LWDS-04-BH03	30	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4416	LWDS-04-BH03	35	ND (10)	ND (5)	ND (10)	ND (10)	**6.6**
4415	LWDS-04-BH03	41	ND (10)	ND (5)	ND (10)	ND (10)	**6.8**
4415	LWDS-04-BH03	45	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4415	LWDS-04-BH03	50	ND (10)	ND (5)	ND (10)	ND (10)	**5.4**
4415	LWDS-04-BH03	54	ND (10)	**10**	ND (10)	ND (10)	**7.1**
4414	LWDS-04-BH03	60	**16**	ND (5)	ND (10)	ND (10)	**6.4**
4414	LWDS-04-BH03	65	**68**	ND (5)	ND (10)	ND (10)	**5**
4414	LWDS-04-BH03	70	**11**	ND (5)	ND (10)	ND (10)	**6.3**
4412	LWDS-04-BH03	80	**16**	ND (5)	ND (10)	ND (10)	**7**
4412	LWDS-04-BH03	85	**15**	ND (5)	ND (10)	ND (10)	**8.2**
4407	LWDS-04-BH04	5	**10**	ND (5)	ND (10)	ND (10)	**7.5**
4407	LWDS-04-BH04	10	**11**	ND (5)	ND (10)	ND (10)	**7.5**
4407	LWDS-04-BH04	15	**10**	ND (5)	ND (10)	ND (10)	**6.6**
4407	LWDS-04-BH04	20	**10**	ND (5)	ND (10)	ND (10)	ND (5)
4406	LWDS-04-BH04	25	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4406	LWDS-04-BH04	30	**13**	ND (5)	ND (10)	ND (10)	ND (5)
4406	LWDS-04-BH04	35	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Acetone	Benzene	2-Butanone	2-Hexanone	Methylene chloride
4406	LWDS-04-BH04	35(D)	**10**	ND (5)	ND (10)	ND (10)	**5.7**
4494	LWDS-04-BH04	40	ND (10)	ND (5)	ND (10)	ND (10)	**5.7**
4494	LWDS-04-BH04	45	ND (10)	ND (5)	ND (10)	ND (10)	**5.6**
4493	LWDS-04-BH04	50	ND (10)	ND (5)	ND (10)	ND (10)	**6**
4493	LWDS-04-BH04	56	ND (10)	ND (5)	ND (10)	ND (10)	**7**
4493	LWDS-04-BH04	60	ND (10)	ND (5)	ND (10)	ND (10)	**6.6**
4493	LWDS-04-BH04	65	ND (10)	ND (5)	ND (10)	ND (10)	**6.2**
4492	LWDS-04-BH04	70	ND (10)	ND (5)	ND (10)	ND (10)	**7.6**
4492	LWDS-04-BH04	70(D)	ND (10)	ND (5)	ND (10)	ND (10)	**7.5**
4492	LWDS-04-BH04	74	**11**	ND (5)	ND (10)	ND (10)	**7.6**
4492	LWDS-04-BH04	80	ND (10)	ND (5)	ND (10)	ND (10)	**7**
4522	LWDS-04-BH04	84	**20**	ND (5)	ND (10)	ND (10)	**46**
4522	LWDS-04-BH04	90	**32**	ND (5)	ND (10)	ND (10)	**10**
4522	LWDS-04-BH04	95	**17**	ND (5)	ND (10)	ND (10)	**37**
4491	LWDS-04-BH04	100	**15**	ND (5)	ND (10)	ND (10)	**36**
4546	LWDS-04-BH05	5	**11**	ND (5)	ND (10)	ND (10)	**5.4**
4546	LWDS-04-BH05	10	ND (10)	ND (5)	ND (10)	ND (10)	**5**
4546	LWDS-04-BH05	15	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4546	LWDS-04-BH05	20	**10**	ND (5)	ND (10)	ND (10)	**6.3**
4523	LWDS-04-BH05	24	**13**	ND (5)	ND (10)	ND (10)	**5.6**
4523	LWDS-04-BH05	29	**12**	ND (5)	ND (10)	ND (10)	**6.7**
4523	LWDS-04-BH05	35	**14**	ND (5)	ND (10)	ND (10)	**6.7**
4523	LWDS-04-BH05	35(D)	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4525	LWDS-04-BH05	40	**14**	ND (5)	ND (10)	ND (10)	**16**
4525	LWDS-04-BH05	45	ND (10)	ND (5)	ND (10)	ND (10)	**14**
4525	LWDS-04-BH05	50	**10**	ND (5)	ND (10)	ND (10)	ND (5)
4525	LWDS-04-BH05	55	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4526	LWDS-04-BH05	59	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4526	LWDS-04-BH05	65	**11**	ND (5)	ND (10)	ND (10)	**5.3**
4526	LWDS-04-BH05	69	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Acetone	Benzene	2-Butanone	2-Hexanone	Methylene chloride
4526	LWDS-04-BH05	75	ND (10)	ND (5)	ND (10)	ND (10)	**5**
4527	LWDS-04-BH05	80	**31**	ND (5)	ND (10)	ND (10)	**10**
4527	LWDS-04-BH05	80(D)	**34**	ND (5)	ND (10)	ND (10)	**11**
4527	LWDS-04-BH05	86	**35**	ND (5)	ND (10)	ND (10)	**11**
4528	LWDS-04-BH05	90	**38**	ND (5)	ND (10)	ND (10)	**12**
4528	LWDS-04-BH05	94	**32**	ND (5)	ND (10)	ND (10)	**10**
4528	LWDS-04-BH05	100	**46**	ND (5)	ND (10)	ND (10)	**13**
508688	LWDS-04-BH09	5	ND (10)	ND (5)	ND (10)	ND (10)	**4.7 J (5)**
508688	LWDS-04-BH09	10	**65**	ND (5)	ND (10)	ND (10)	**13**
508688	LWDS-04-BH09	15	**14**	ND (5)	ND (10)	ND (10)	**3.9 J (5)**
508688	LWDS-04-BH09	20	**24**	ND (5)	ND (10)	ND (10)	**4.1 J (5)**
508688	LWDS-04-BH09	25	**33**	ND (5)	ND (10)	ND (10)	**4.6 J (5)**
508688	LWDS-04-BH09	30	**240**	ND (10)	**31**	ND (20)	**5.6 J (10)**
508688	LWDS-04-BH09	35	**64**	ND (5)	**7.7 J (10)**	**1.2 J (10)**	**4.1 J (5)**
508688	LWDS-04-BH09	40	**34**	ND (5)	ND (10)	ND (10)	**5.8**
508688	LWDS-04-BH09	40(D)	**74**	ND (5)	ND (10)	ND (10)	**4.9 J (5)**
508688	LWDS-04-BH09	45	**19**	ND (5)	ND (10)	ND (10)	**8.4**
508688	LWDS-04-BH09	50	**14**	ND (5)	ND (10)	ND (10)	**9.1**
508427	LWDS-04-BH10	5	**19**	ND (5)	ND (10)	ND (10)	**3.8 J (5)**
508427	LWDS-04-BH10	10	**12**	ND (5)	ND (10)	ND (10)	**4.1 J (5)**
508427	LWDS-04-BH10	15	**21**	ND (5)	ND (10)	ND (10)	**2.9 J (5)**
508427	LWDS-04-BH10	15(D)	**44**	ND (5)	ND (10)	ND (10)	**7.5**
508427	LWDS-04-BH10	20	**16**	ND (5)	ND (10)	ND (10)	**7.4**
508427	LWDS-04-BH10	25	**15**	ND (5)	ND (10)	ND (10)	**9.3**
508427	LWDS-04-BH10	30	**18**	ND (5)	ND (10)	ND (10)	**6.8**
02033	LWDS-04-BH17-0	0	ND (10)	ND (5)	ND (10)	ND (10)	**3.7 J (5)**
02033	LWDS-04-BH17-05	5	ND (10)	ND (5)	ND (10)	ND (10)	**3.2 J (5)**
02031	LWDS-04-BH17-10	10	ND (10)	ND (5)	ND (10)	ND (10)	**2.6 J (5)**
02031	LWDS-04-BH17-15	15	ND (10)	ND (5)	ND (10)	ND (10)	**1.1 J (5)**
02031	LWDS-04-BH17-20	20	ND (10)	ND (5)	ND (10)	ND (10)	**3.7 J (5)**
02031	LWDS-04-BH17-25	25	ND (10)	ND (5)	ND (10)	ND (10)	**3.4 J (5)**
02031	LWDS-04-BH17-42	42	ND (10)	ND (5)	ND (10)	ND (10)	**3.4 J (5)**

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Acetone	Benzene	2-Butanone	2-Hexanone	Methylene chloride
02031	LWDS-04-BH17-49	49	ND (10)	ND (5)	ND (10)	ND (10)	**3.2 J (5)**
02031	LWDS-04-BH17-54	54	**1.2 J (10)**	ND (5)	ND (10)	ND (10)	**3.3 J (5)**
02031	LWDS-04-BH17-59	59	ND (10)	ND (5)	ND (10)	ND (10)	**2.8 J (5)**
02031	LWDS-04-BH17-59	59(D)	**6.8 J (10)**	ND (5)	ND (10)	ND (10)	**2.7 J (5)**
02034	LWDS-04-BH18-0	0	**4.4 J (10)**	ND (5)	ND (10)	ND (10)	**4.7 J (5)**
02034	LWDS-04-BH18-05	5	ND (10)	ND (5)	ND (10)	ND (10)	**1.2 J (5)**
02034	LWDS-04-BH18-10	10	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
02034	LWDS-04-BH18-15	15	ND (10)	ND (5)	ND (10)	ND (10)	**4 J (5)**
02034	LWDS-04-BH18-15	15(D)	ND (10)	ND (5)	ND (10)	ND (10)	**2.3 J (5)**
02034	LWDS-04-BH18-20	20	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
02034	LWDS-04-BH18-25	25	ND (10)	ND (5)	ND (10)	ND (10)	**2.1 J (5)**
02034	LWDS-04-BH18-30	30	**5.6 J (10)**	ND (5)	ND (10)	ND (10)	**1.3 J (5)**
4741	LWDS-MW2	118	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4724	LWDS-MW2	125	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4599	LWDS-MW2	130	**87**	ND (5)	ND (10)	ND (10)	ND (5)
4599	LWDS-MW2	140	**10**	ND (5)	ND (10)	ND (10)	ND (5)
4724	LWDS-MW2	164	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4724	LWDS-MW2	175	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4725	LWDS-MW2	187	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4727	LWDS-MW2	225	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4739	LWDS-MW2	250	**20**	ND (5)	ND (10)	ND (10)	ND (5)
4738	LWDS-MW2	275	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4738	LWDS-MW2	300	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4738	LWDS-MW2	300(D)	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4736	LWDS-MW2	325	**14**	ND (5)	ND (10)	ND (10)	ND (5)
4600	LWDS-MW2	350	**10**	ND (5)	ND (10)	ND (10)	ND (5)
4601	LWDS-MW2	378	**33**	ND (5)	ND (10)	ND (10)	ND (5)
4614	LWDS-MW2	400	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4603	LWDS-MW2	430	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Acetone	Benzene	2-Butanone	2-Hexanone	Methylene chloride
4604	LWDS-MW2	434	**26**	ND (5)	ND (10)	ND (10)	ND (5)
4604	LWDS-MW2	449	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4605	LWDS-MW2	475	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4605	LWDS-MW2	490	**31**	ND (5)	ND (10)	ND (10)	ND (5)
4606	LWDS-MW2	530	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04123	LWDS-SS-1[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04032	LWDS-SS-2[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04122	LWDS-SS-3[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04032	LWDS-SS-4[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04031	LWDS-SS-5[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04123	LWDS-SS-6[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04031	LWDS-SS-7[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04122	LWDS-SS-8[c]	0	NR	ND (50)	NR	NR	ND (500)
04132	LWDS-SS-8[c]	0	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04035	LWDS-SS-9[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04052	LWDS-SS-10[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04050	LWDS-SS-11[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04042	LWDS-SS-12[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04045	LWDS-SS-13[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4053	LWDS-SS-14[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4163	LWDS-SS-15[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04033	LWDS-SS-16[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04036	LWDS-SS-17[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04052	LWDS-SS-18[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04049	LWDS-SS-19[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04042	LWDS-SS-20[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04044	LWDS-SS-21[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4047	LWDS-SS-22[c]	0	**14**	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4053	LWDS-SS-23[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Acetone	Benzene	2-Butanone	2-Hexanone	Methylene chloride
4054	LWDS-SS-23[c]	0(D)	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04033	LWDS-SS-24[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04034	LWDS-SS-25[c]	0	**11**	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04051	LWDS-SS-26[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04049	LWDS-SS-27[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04041	LWDS-SS-28[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04044	LWDS-SS-29[c]	0	**21**	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4047	LWDS-SS-30[c]	0	**27**	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4039	LWDS-SS-31[c]	0(D)	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4054	LWDS-SS-31[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04037	LWDS-SS-32[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04036	LWDS-SS-33[c]	0	**11**	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04051	LWDS-SS-34[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04048	LWDS-SS-35[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04040	LWDS-SS-36[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04041	LWDS-SS-36[c]	0(D)	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04045	LWDS-SS-36[d]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04043	LWDS-SS-37[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4046	LWDS-SS-38[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4039	LWDS-SS-39[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4162	LWDS-SS-39[c]	0(D)	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04037	LWDS-SS-40[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04034	LWDS-SS-41[c]	0(D)	**13**	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04035	LWDS-SS-41[c]	0	**12**	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04050	LWDS-SS-42[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04048	LWDS-SS-43[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04040	LWDS-SS-44[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04043	LWDS-SS-45[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4046	LWDS-SS-46[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4163	LWDS-SS-47[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
04038	LWDS-SS-48[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)
4164	LWDS-SS-HS[c]	0	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	ND (5)/ND (500)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Acetone	Benzene	2-Butanone	2-Hexanone	Methylene chloride
4162	LWDS-SS-HS[c]	1	ND (10)	ND (5)/ND (50)	ND (10)	ND (10)	**7.1**/ND (500)
Quality Assurance/Quality Control Samples (µg/L)							
04426	LWDS-04-BH01 (EB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04426	LWDS-04-BH01 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04427	LWDS-04-BH01 (EB)	NA	15	ND (5)	ND (10)	ND (10)	ND (5)
04427	LWDS-04-BH01 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4419	LWDS-04-BH02 (EB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4419	LWDS-04-BH02 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04422	LWDS-04-BH02 (EB)	NA	16	ND (5)	ND (10)	ND (10)	ND (5)
04422	LWDS-04-BH02 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4413	LWDS-04-BH03 (EB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4418	LWDS-04-BH03 (EB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4418	LWDS-04-BH03 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4411	LWDS-04-BH04 (EB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4411	LWDS-04-BH04 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4547	LWDS-04-BH04 (EB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4547	LWDS-04-BH04 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4529	LWDS-04-BH05 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4545	LWDS-04-BH05 (EB)	NA	14	ND (5)	ND (10)	ND (10)	12
4545	LWDS-04-BH05 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	14
508688	LWDS-04-BH09 (EB)	NA	7.8 J (10)	ND (5)	ND (10)	ND (10)	1.6 J (5)
508688	LWDS-04-BH09 (TB)	NA	5.1 J (10)	ND (5)	ND (10)	ND (10)	8.4
508427	LWDS-04-BH10 (EB)	NA	9 J (10)	ND (5)	ND (10)	ND (10)	1.7 J (5)
508427	LWDS-04-BH10 (TB)	NA	5.3 J (10)	ND (5)	ND (10)	ND (10)	7.6
4600	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4602	LWDS-MW2 (EB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4602	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4605	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4729	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4737	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4740	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4744	LWDS-MW2 (EB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4744	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4747	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04031	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04045	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04048	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04122	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
04132	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)
4164	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (10)	ND (10)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	4-Methyl-2-pentanone	Styrene	Tetrachloroethene	Toluene
04401	LWDS-04-BH01	5	ND (10)	ND (5)	ND (5)	ND (5)
04401	LWDS-04-BH01	10	ND (10)	ND (5)	ND (5)	ND (5)
04401	LWDS-04-BH01	15	ND (10)	ND (5)	ND (5)	ND (5)
04401	LWDS-04-BH01	20	ND (10)	ND (5)	ND (5)	ND (5)
04430	LWDS-04-BH01	25	ND (10)	ND (5)	ND (5)	ND (5)
04430	LWDS-04-BH01	30	ND (10)	ND (5)	ND (5)	ND (5)
04430	LWDS-04-BH01	35	ND (10)	ND (5)	ND (5)	ND (5)
04430	LWDS-04-BH01	35(D)	ND (10)	ND (5)	ND (5)	ND (5)
04429	LWDS-04-BH01	40	ND (10)	ND (5)	ND (5)	ND (5)
04429	LWDS-04-BH01	45	ND (10)	ND (5)	ND (5)	ND (5)
04429	LWDS-04-BH01	50	ND (10)	ND (5)	ND (5)	ND (5)
04429	LWDS-04-BH01	55	ND (10)	ND (5)	ND (5)	ND (5)
04428	LWDS-04-BH01	60	ND (10)	ND (5)	ND (5)	ND (5)
04425	LWDS-04-BH01	75	ND (10)	ND (5)	ND (5)	ND (5)
04425	LWDS-04-BH01	80	ND (10)	ND (5)	ND (5)	ND (5)
04425	LWDS-04-BH01	85	ND (10)	ND (5)	ND (5)	ND (5)
04424	LWDS-04-BH01	90	**20**	ND (5)	ND (5)	ND (5)
04424	LWDS-04-BH01	95	ND (10)	ND (5)	ND (5)	ND (5)
04424	LWDS-04-BH01	95(D)	ND (10)	ND (5)	ND (5)	ND (5)
04402	LWDS-04-BH02	5	ND (10)	ND (5)	ND (5)	ND (5)
04402	LWDS-04-BH02	10	ND (10)	ND (5)	ND (5)	ND (5)
04402	LWDS-04-BH02	15	ND (10)	ND (5)	ND (5)	ND (5)
04402	LWDS-04-BH02	20	ND (10)	ND (5)	ND (5)	ND (5)
04423	LWDS-04-BH02	25	ND (10)	ND (5)	ND (5)	ND (5)
04423	LWDS-04-BH02	30	ND (10)	ND (5)	ND (5)	ND (5)
04423	LWDS-04-BH02	35	ND (10)	ND (5)	ND (5)	ND (5)
04423	LWDS-04-BH02	40	ND (10)	ND (5)	ND (5)	ND (5)
04421	LWDS-04-BH02	45	ND (10)	ND (5)	ND (5)	ND (5)
04421	LWDS-04-BH02	50	ND (10)	ND (5)	ND (5)	ND (5)
04421	LWDS-04-BH02	50(D)	ND (10)	ND (5)	ND (5)	ND (5)
04421	LWDS-04-BH02	70	ND (10)	ND (5)	ND (5)	ND (5)
04420	LWDS-04-BH02	75	ND (10)	ND (5)	ND (5)	ND (5)
04420	LWDS-04-BH02	75(D)	ND (10)	ND (5)	ND (5)	ND (5)
04420	LWDS-04-BH02	80	ND (10)	ND (5)	ND (5)	ND (5)
4403	LWDS-04-BH02	85	ND (10)	ND (5)	ND (5)	ND (5)
4403	LWDS-04-BH02	90	ND (10)	ND (5)	ND (5)	ND (5)
4403	LWDS-04-BH02	95	ND (10)	ND (5)	ND (5)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	4-Methyl-2-pentanone	Styrene	Tetrachloroethene	Toluene
4403	LWDS-04-BH02	95(D)	ND (10)	ND (5)	ND (5)	ND (5)
4404	LWDS-04-BH02	100	ND (10)	ND (5)	ND (5)	ND (5)
4417	LWDS-04-BH03	5	ND (10)	ND (5)	ND (5)	ND (5)
4417	LWDS-04-BH03	10	ND (10)	ND (5)	ND (5)	ND (5)
4417	LWDS-04-BH03	15	ND (10)	ND (5)	ND (5)	ND (5)
4417	LWDS-04-BH03	20	ND (10)	ND (5)	ND (5)	ND (5)
4416	LWDS-04-BH03	20(D)	ND (10)	ND (5)	ND (5)	ND (5)
4416	LWDS-04-BH03	25	ND (10)	ND (5)	ND (5)	ND (5)
4416	LWDS-04-BH03	30	ND (10)	ND (5)	ND (5)	ND (5)
4416	LWDS-04-BH03	35	ND (10)	ND (5)	ND (5)	ND (5)
4415	LWDS-04-BH03	41	ND (10)	ND (5)	**8.5**	ND (5)
4415	LWDS-04-BH03	45	ND (10)	ND (5)	ND (5)	ND (5)
4415	LWDS-04-BH03	50	ND (10)	ND (5)	ND (5)	ND (5)
4415	LWDS-04-BH03	54	ND (10)	ND (5)	ND (5)	**12**
4414	LWDS-04-BH03	60	ND (10)	ND (5)	ND (5)	ND (5)
4414	LWDS-04-BH03	65	ND (10)	ND (5)	ND (5)	ND (5)
4414	LWDS-04-BH03	70	ND (10)	ND (5)	ND (5)	ND (5)
4412	LWDS-04-BH03	80	ND (10)	ND (5)	**5.7**	ND (5)
4412	LWDS-04-BH03	85	ND (10)	ND (5)	ND (5)	ND (5)
4407	LWDS-04-BH04	5	ND (10)	ND (5)	ND (5)	ND (5)
4407	LWDS-04-BH04	10	ND (10)	ND (5)	ND (5)	ND (5)
4407	LWDS-04-BH04	15	ND (10)	ND (5)	ND (5)	ND (5)
4407	LWDS-04-BH04	20	ND (10)	ND (5)	ND (5)	ND (5)
4406	LWDS-04-BH04	25	ND (10)	ND (5)	ND (5)	ND (5)
4406	LWDS-04-BH04	30	ND (10)	ND (5)	ND (5)	ND (5)
4406	LWDS-04-BH04	35	ND (10)	ND (5)	ND (5)	ND (5)
4406	LWDS-04-BH04	35(D)	ND (10)	ND (5)	ND (5)	ND (5)
4494	LWDS-04-BH04	40	ND (10)	ND (5)	ND (5)	ND (5)
4494	LWDS-04-BH04	45	ND (10)	ND (5)	ND (5)	ND (5)
4493	LWDS-04-BH04	50	ND (10)	ND (5)	ND (5)	ND (5)
4493	LWDS-04-BH04	56	ND (10)	ND (5)	ND (5)	ND (5)
4493	LWDS-04-BH04	60	ND (10)	ND (5)	ND (5)	ND (5)
4493	LWDS-04-BH04	65	ND (10)	ND (5)	ND (5)	ND (5)
4492	LWDS-04-BH04	70	ND (10)	ND (5)	ND (5)	ND (5)
4492	LWDS-04-BH04	70(D)	ND (10)	ND (5)	ND (5)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	4-Methyl-2-pentanone	Styrene	Tetrachloroethene	Toluene
4492	LWDS-04-BH04	74	ND (10)	ND (5)	ND (5)	ND (5)
4492	LWDS-04-BH04	80	ND (10)	ND (5)	ND (5)	ND (5)
4522	LWDS-04-BH04	84	ND (10)	ND (5)	ND (5)	ND (5)
4522	LWDS-04-BH04	90	ND (10)	ND (5)	ND (5)	ND (5)
4522	LWDS-04-BH04	95	ND (10)	ND (5)	ND (5)	ND (5)
4491	LWDS-04-BH04	100	ND (10)	ND (5)	ND (5)	ND (5)
4546	LWDS-04-BH05	5	ND (10)	ND (5)	ND (5)	ND (5)
4546	LWDS-04-BH05	10	ND (10)	ND (5)	ND (5)	ND (5)
4546	LWDS-04-BH05	15	ND (10)	ND (5)	ND (5)	ND (5)
4546	LWDS-04-BH05	20	ND (10)	ND (5)	ND (5)	ND (5)
4523	LWDS-04-BH05	24	ND (10)	ND (5)	ND (5)	ND (5)
4523	LWDS-04-BH05	29	ND (10)	ND (5)	ND (5)	ND (5)
4523	LWDS-04-BH05	35	ND (10)	ND (5)	ND (5)	ND (5)
4523	LWDS-04-BH05	35(D)	ND (10)	ND (5)	ND (5)	ND (5)
4525	LWDS-04-BH05	40	ND (10)	ND (5)	ND (5)	ND (5)
4525	LWDS-04-BH05	45	ND (10)	ND (5)	ND (5)	ND (5)
4525	LWDS-04-BH05	50	ND (10)	ND (5)	ND (5)	ND (5)
4525	LWDS-04-BH05	55	ND (10)	ND (5)	ND (5)	ND (5)
4526	LWDS-04-BH05	59	ND (10)	ND (5)	ND (5)	ND (5)
4526	LWDS-04-BH05	65	ND (10)	ND (5)	ND (5)	ND (5)
4526	LWDS-04-BH05	69	ND (10)	ND (5)	ND (5)	ND (5)
4526	LWDS-04-BH05	75	ND (10)	ND (5)	ND (5)	ND (5)
4527	LWDS-04-BH05	80	ND (10)	ND (5)	ND (5)	ND (5)
4527	LWDS-04-BH05	80(D)	ND (10)	ND (5)	ND (5)	ND (5)
4527	LWDS-04-BH05	86	ND (10)	ND (5)	ND (5)	ND (5)
4528	LWDS-04-BH05	90	ND (10)	ND (5)	ND (5)	ND (5)
4528	LWDS-04-BH05	94	ND (10)	ND (5)	ND (5)	ND (5)
4528	LWDS-04-BH05	100	ND (10)	ND (5)	ND (5)	ND (5)
508688	LWDS-04-BH09	5	ND (10)	ND (5)	ND (5)	ND (5)
508688	LWDS-04-BH09	10	ND (10)	**2.5 J (5)**	ND (5)	**1.3 J (5)**
508688	LWDS-04-BH09	15	ND (10)	ND (5)	ND (5)	**1.4 J (5)**
508688	LWDS-04-BH09	20	ND (10)	ND (5)	ND (5)	**3.6 J (5)**
508688	LWDS-04-BH09	25	ND (10)	ND (5)	ND (5)	**1.2 J (5)**
508688	LWDS-04-BH09	30	ND (20)	ND (10)	ND (10)	ND (10)
508688	LWDS-04-BH09	35	**1.1 J (10)**	ND (5)	ND (5)	ND (5)
508688	LWDS-04-BH09	40	ND (10)	ND (5)	ND (5)	ND (5)
508688	LWDS-04-BH09	40(D)	ND (10)	ND (5)	ND (5)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	4-Methyl-2-pentanone	Styrene	Tetrachloroethene	Toluene
508688	LWDS-04-BH09	45	ND (10)	ND (5)	ND (5)	ND (5)
508688	LWDS-04-BH09	50	ND (10)	ND (5)	ND (5)	ND (5)
508427	LWDS-04-BH10	5	ND (10)	ND (5)	ND (5)	ND (5)
508427	LWDS-04-BH10	10	ND (10)	ND (5)	ND (5)	**1.4 J (5)**
508427	LWDS-04-BH10	15	ND (10)	ND (5)	ND (5)	ND (5)
508427	LWDS-04-BH10	15(D)	ND (10)	ND (5)	ND (5)	ND (5)
508427	LWDS-04-BH10	20	ND (10)	ND (5)	ND (5)	ND (5)
508427	LWDS-04-BH10	25	ND (10)	ND (5)	ND (5)	ND (5)
508427	LWDS-04-BH10	30	ND (10)	ND (5)	ND (5)	ND (5)
02033	LWDS-04-BH17-0	0	ND (10)	ND (5)	ND (5)	ND (5)
02033	LWDS-04-BH17-05	5	ND (10)	ND (5)	ND (5)	ND (5)
02031	LWDS-04-BH17-10	10	ND (10)	ND (5)	ND (5)	**2.9 J (5)**
02031	LWDS-04-BH17-15	15	ND (10)	ND (5)	ND (5)	ND (5)
02031	LWDS-04-BH17-20	20	ND (10)	ND (5)	ND (5)	ND (5)
02031	LWDS-04-BH17-25	25	ND (10)	ND (5)	ND (5)	**4.6 J (5)**
02031	LWDS-04-BH17-42	42	ND (10)	ND (5)	ND (5)	ND (5)
02031	LWDS-04-BH17-49	49	ND (10)	ND (5)	ND (5)	**1.1 J (5)**
02031	LWDS-04-BH17-54	54	ND (10)	ND (5)	ND (5)	ND (5)
02031	LWDS-04-BH17-59	59	ND (10)	ND (5)	ND (5)	ND (5)
02031	LWDS-04-BH17-59	59(D)	ND (10)	ND (5)	ND (5)	**3.9 J (5)**
02034	LWDS-04-BH18-0	0	ND (10)	ND (5)	ND (5)	ND (5)
02034	LWDS-04-BH18-05	5	ND (10)	ND (5)	ND (5)	ND (5)
02034	LWDS-04-BH18-10	10	ND (10)	ND (5)	ND (5)	ND (5)
02034	LWDS-04-BH18-15	15	ND (10)	ND (5)	ND (5)	ND (5)
02034	LWDS-04-BH18-15	15(D)	ND (10)	ND (5)	ND (5)	ND (5)
02034	LWDS-04-BH18-20	20	ND (10)	ND (5)	ND (5)	ND (5)
02034	LWDS-04-BH18-25	25	ND (10)	ND (5)	ND (5)	ND (5)
02034	LWDS-04-BH18-30	30	ND (10)	ND (5)	ND (5)	ND (5)
4741	LWDS-MW2	118	ND (10)	ND (5)	ND (5)	ND (5)
4724	LWDS-MW2	125	ND (10)	ND (5)	ND (5)	ND (5)
4599	LWDS-MW2	130	ND (10)	ND (5)	ND (5)	ND (5)
4599	LWDS-MW2	140	ND (10)	ND (5)	ND (5)	ND (5)
4724	LWDS-MW2	164	ND (10)	ND (5)	ND (5)	ND (5)
4724	LWDS-MW2	175	ND (10)	ND (5)	ND (5)	ND (5)
4725	LWDS-MW2	187	ND (10)	ND (5)	ND (5)	ND (5)
4727	LWDS-MW2	225	ND (10)	ND (5)	ND (5)	ND (5)
4739	LWDS-MW2	250	ND (10)	ND (5)	ND (5)	ND (5)
4738	LWDS-MW2	275	ND (10)	ND (5)	ND (5)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	4-Methyl-2-pentanone	Styrene	Tetrachloroethene	Toluene
4738	LWDS-MW2	300	ND (10)	ND (5)	ND (5)	ND (5)
4738	LWDS-MW2	300(D)	ND (10)	ND (5)	ND (5)	ND (5)
4736	LWDS-MW2	325	ND (10)	ND (5)	ND (5)	ND (5)
4600	LWDS-MW2	350	ND (10)	ND (5)	ND (5)	ND (5)
4601	LWDS-MW2	378	ND (10)	ND (5)	ND (5)	ND (5)
4614	LWDS-MW2	400	ND (10)	ND (5)	ND (5)	ND (5)
4603	LWDS-MW2	430	ND (10)	ND (5)	ND (5)	ND (5)
4604	LWDS-MW2	434	ND (10)	ND (5)	ND (5)	ND (5)
4604	LWDS-MW2	449	ND (10)	ND (5)	ND (5)	ND (5)
4605	LWDS-MW2	475	ND (10)	ND (5)	ND (5)	ND (5)
4605	LWDS-MW2	490	ND (10)	ND (5)	ND (5)	ND (5)
4606	LWDS-MW2	530	ND (10)	ND (5)	ND (5)	ND (5)
04123	LWDS-SS-1[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04032	LWDS-SS-2[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04122	LWDS-SS-3[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04032	LWDS-SS-4[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04031	LWDS-SS-5[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04123	LWDS-SS-6[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04031	LWDS-SS-7[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04122	LWDS-SS-8[c]	0	NR	NR	ND (50)	ND (50)
04132	LWDS-SS-8[c]	0	ND (10)	ND (5)	ND (5)	ND (5)
04035	LWDS-SS-9[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04052	LWDS-SS-10[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04050	LWDS-SS-11[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04042	LWDS-SS-12[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04045	LWDS-SS-13[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4053	LWDS-SS-14[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4163	LWDS-SS-15[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04033	LWDS-SS-16[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04036	LWDS-SS-17[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04052	LWDS-SS-18[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	9.4/ND (50)
04049	LWDS-SS-19[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04042	LWDS-SS-20[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04044	LWDS-SS-21[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4047	LWDS-SS-22[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	4-Methyl-2-pentanone	Styrene	Tetrachloroethene	Toluene
4053	LWDS-SS-23[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4054	LWDS-SS-23[c]	0(D)	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04033	LWDS-SS-24[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04034	LWDS-SS-25[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04051	LWDS-SS-26[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04049	LWDS-SS-27[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04041	LWDS-SS-28[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04044	LWDS-SS-29[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4047	LWDS-SS-30[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4039	LWDS-SS-31[c]	0(D)	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4054	LWDS-SS-31[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04037	LWDS-SS-32[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04036	LWDS-SS-33[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04051	LWDS-SS-34[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04048	LWDS-SS-35[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04040	LWDS-SS-36[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04041	LWDS-SS-36[c]	0(D)	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04045	LWDS-SS-36[d]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04043	LWDS-SS-37[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4046	LWDS-SS-38[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4039	LWDS-SS-39[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4162	LWDS-SS-39[c]	0(D)	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04037	LWDS-SS-40[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04034	LWDS-SS-41[c]	0(D)	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04035	LWDS-SS-41[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04050	LWDS-SS-42[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04048	LWDS-SS-43[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04040	LWDS-SS-44[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04043	LWDS-SS-45[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4046	LWDS-SS-46[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4163	LWDS-SS-47[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
04038	LWDS-SS-48[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
4164	LWDS-SS-HS[c]	0	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			VOCs (EPA Method 8010/8020/8240[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	4-Methyl-2-pentanone	Styrene	Tetrachloroethene	Toluene
4162	LWDS-SS-HS[c]	1	ND (10)	ND (5)	ND (5)/ND (50)	ND (5)/ND (50)
Quality Assurance/Quality Control Samples (µg/L)						
04426	LWDS-04-BH01 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04426	LWDS-04-BH01 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04427	LWDS-04-BH01 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04427	LWDS-04-BH01 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4419	LWDS-04-BH02 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4419	LWDS-04-BH02 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04422	LWDS-04-BH02 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04422	LWDS-04-BH02 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4413	LWDS-04-BH03 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4418	LWDS-04-BH03 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4418	LWDS-04-BH03 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4411	LWDS-04-BH04 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4411	LWDS-04-BH04 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4547	LWDS-04-BH04 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4547	LWDS-04-BH04 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4529	LWDS-04-BH05 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4545	LWDS-04-BH05 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4545	LWDS-04-BH05 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
508688	LWDS-04-BH09 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
508688	LWDS-04-BH09 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
508427	LWDS-04-BH10 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
508427	LWDS-04-BH10 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4600	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4602	LWDS-MW2 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4602	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4605	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4729	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4737	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4740	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4744	LWDS-MW2 (EB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4744	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4747	LWDS-MW2 (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04031	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04045	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04048	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04122	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
04132	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)
4164	LWDS-SS (TB)	NA	ND (10)	ND (5)	ND (5)	ND (5)

Refer to footnotes at end of table.

Table A-1 (Continued)
Summary of SWMU 4 Soil Sampling, VOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Note: Values in **bold** represent detected analytes.

[a]EPA November 1986.

[b]Analysis request/chain-of-custody record.

[c]Samples were analyzed using EPA Method 8010, 8020, and 8240. The higher reporting limits are associated with Methods 8010 and 8020.

[d]Soil sample collected at drain outfall in Impoundment 2; this sample was located in Grid 35 on maps but included with samples collected in Grid 36.

(D) = Duplicate sample.
(EB) = Equipment blank (added as identifier to ER Sample ID).
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
J ( ) = Estimated value is less than laboratory reporting limit, shown in parentheses.
µg/kg = Microgram(s) per kilogram.
µg/L = Microgram(s) per liter.
NA = Not applicable.
ND ( ) = Analyte not detected above the RL, shown in parentheses.
NR = Not reported.
RL = Reporting limit.
SWMU = Solid Waste Management Unit.
(TB) = Trip blank (added as identifier to ER Sample ID).
VOC = Volatile organic compound.

Table A-2
Summary of SWMU 4 Soil Sampling VOC Analytical RLs
July 1992–December 1994
(Off-Site Laboratory)

Analyte	Reporting Limit (µg/kg)
Acetone	10–1000
Benzene	5–50
Bromodichloromethane	5–100
Bromoform	5–500
Bromomethane	10–500
2-Butanone	10–20
Carbon disulfide	5–10
Carbon tetrachloride	5–50
Chlorobenzene	5–200
Chloroethane	10–500
Chloroform	5–50
Chloromethane	10–500
Dibromochloromethane	5–100
1,2-Dibromoethane	200
1,2-Dichlorobenzene	50
1,3-Dichlorobenzene	50
1,4-Dichlorobenzene	50
1,1-Dichloroethane	5–50
1,2-Dichloroethane	5–100
1,1-Dichloroethene	5–50
1,2-Dichloroethene	5–10
trans-1,2-Dichloroethene	50
1,2-Dichloropropane	5–100
cis-1,3-Dichloropropene	5–200
trans-1,3-Dichloropropene	5–100
Ethyl benzene	5–50
2-Hexanone	10–20
Methylene chloride	5–500
4-Methyl-2-pentanone	10–20
Styrene	5–10
1,1,2,2-Tetrachloroethane	5–100
Tetrachloroethene	5–50
Toluene	5–50
1,1,1-Trichloroethane	5–50
1,1,2-Trichloroethane	5–100
Trichloroethene	5–50
2,2-Trifluoroethane, 1,1,2-trichloro-1	100
Vinyl acetate	10–20
Vinyl chloride	10–100
Xylene	5–50

µg/kg = Microgram(s) per kilogram.
RL = Reporting limit.
SWMU = Solid Waste Management Unit.
VOC = Volatile organic compound.

Table A-3
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Diethylphthalate
04401	LWDS-04-BH01	5	ND (330)	ND (330)	ND (330)	ND (330)
04401	LWDS-04-BH01	10	ND (330)	ND (330)	ND (330)	ND (330)
04401	LWDS-04-BH01	15	ND (330)	ND (330)	ND (330)	ND (330)
04401	LWDS-04-BH01	20	ND (330)	ND (330)	ND (330)	ND (330)
04430	LWDS-04-BH01	25	ND (330)	ND (330)	ND (330)	ND (330)
04430	LWDS-04-BH01	30	ND (330)	ND (330)	ND (330)	ND (330)
04430	LWDS-04-BH01	35	ND (330)	ND (330)	ND (330)	ND (330)
04430	LWDS-04-BH01	35(D)	ND (330)	ND (330)	ND (330)	ND (330)
04429	LWDS-04-BH01	40	ND (330)	ND (330)	ND (330)	ND (330)
04429	LWDS-04-BH01	45	ND (330)	ND (330)	ND (330)	ND (330)
04429	LWDS-04-BH01	50	ND (330)	ND (330)	ND (330)	ND (330)
04429	LWDS-04-BH01	55	ND (330)	ND (330)	ND (330)	ND (330)
04428	LWDS-04-BH01	60	ND (330)	ND (330)	ND (330)	ND (330)
04425	LWDS-04-BH01	75	ND (330)	ND (330)	ND (330)	ND (330)
04425	LWDS-04-BH01	80	ND (330)	ND (330)	ND (330)	ND (330)
04425	LWDS-04-BH01	85	ND (330)	ND (330)	ND (330)	ND (330)
04424	LWDS-04-BH01	90	ND (330)	ND (330)	ND (330)	ND (330)
04424	LWDS-04-BH01	95	ND (330)	ND (330)	ND (330)	ND (330)
04424	LWDS-04-BH01	95(D)	ND (330)	ND (330)	ND (330)	ND (330)
04402	LWDS-04-BH02	5	ND (330)	ND (330)	ND (330)	ND (330)
04402	LWDS-04-BH02	10	ND (330)	ND (330)	ND (330)	ND (330)
04402	LWDS-04-BH02	15	ND (330)	ND (330)	ND (330)	ND (330)
04402	LWDS-04-BH02	20	ND (330)	ND (330)	ND (330)	ND (330)
04423	LWDS-04-BH02	25	ND (330)	ND (330)	ND (330)	ND (330)
04423	LWDS-04-BH02	30	ND (330)	ND (330)	ND (330)	ND (330)
04423	LWDS-04-BH02	35	ND (330)	ND (330)	ND (330)	ND (330)
04423	LWDS-04-BH02	40	ND (330)	ND (330)	ND (330)	ND (330)
04421	LWDS-04-BH02	45	ND (330)	ND (330)	ND (330)	ND (330)
04421	LWDS-04-BH02	50	ND (330)	ND (330)	ND (330)	ND (330)
04421	LWDS-04-BH02	50(D)	ND (330)	ND (330)	ND (330)	ND (330)
04421	LWDS-04-BH02	70	ND (330)	ND (330)	ND (330)	ND (330)
04420	LWDS-04-BH02	75	ND (330)	ND (330)	ND (330)	ND (330)
04420	LWDS-04-BH02	75(D)	ND (330)	ND (330)	ND (330)	ND (330)
04420	LWDS-04-BH02	80	ND (330)	ND (330)	ND (330)	ND (330)
4403	LWDS-04-BH02	85	ND (330)	ND (330)	ND (330)	ND (330)
4403	LWDS-04-BH02	90	ND (330)	ND (330)	ND (330)	ND (330)
4403	LWDS-04-BH02	95	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Diethylphthalate
4403	LWDS-04-BH02	95(D)	ND (330)	ND (330)	ND (330)	ND (330)
4404	LWDS-04-BH02	100	ND (330)	ND (330)	ND (330)	ND (330)
4417	LWDS-04-BH03	5	ND (330)	ND (330)	ND (330)	ND (330)
4417	LWDS-04-BH03	10	ND (330)	ND (330)	ND (330)	ND (330)
4417	LWDS-04-BH03	15	ND (330)	ND (330)	ND (330)	ND (330)
4416	LWDS-04-BH03	20(D)	ND (330)	ND (330)	ND (330)	ND (330)
4417	LWDS-04-BH03	20	ND (330)	ND (330)	ND (330)	ND (330)
4416	LWDS-04-BH03	25	ND (330)	ND (330)	ND (330)	ND (330)
4416	LWDS-04-BH03	30	ND (330)	ND (330)	ND (330)	ND (330)
4416	LWDS-04-BH03	35	ND (330)	ND (330)	ND (330)	ND (330)
4415	LWDS-04-BH03	41	ND (330)	ND (330)	ND (330)	ND (330)
4415	LWDS-04-BH03	45	ND (330)	ND (330)	ND (330)	ND (330)
4415	LWDS-04-BH03	50	ND (330)	ND (330)	ND (330)	ND (330)
4415	LWDS-04-BH03	54	ND (330)	ND (330)	ND (330)	ND (330)
4414	LWDS-04-BH03	60	ND (330)	ND (330)	ND (330)	ND (330)
4414	LWDS-04-BH03	65	ND (330)	ND (330)	ND (330)	ND (330)
4414	LWDS-04-BH03	70	ND (330)	ND (330)	ND (330)	ND (330)
4412	LWDS-04-BH03	80	ND (330)	ND (330)	ND (330)	ND (330)
4412	LWDS-04-BH03	85	ND (330)	ND (330)	ND (330)	ND (330)
4407	LWDS-04-BH04	5	ND (330)	ND (330)	ND (330)	ND (330)
4407	LWDS-04-BH04	10	ND (330)	ND (330)	ND (330)	ND (330)
4407	LWDS-04-BH04	15	ND (330)	ND (330)	ND (330)	ND (330)
4407	LWDS-04-BH04	20	ND (330)	ND (330)	ND (330)	ND (330)
4406	LWDS-04-BH04	25	ND (330)	ND (330)	ND (330)	ND (330)
4406	LWDS-04-BH04	30	ND (330)	ND (330)	ND (330)	ND (330)
4406	LWDS-04-BH04	35	ND (330)	ND (330)	ND (330)	ND (330)
4406	LWDS-04-BH04	35(D)	ND (330)	ND (330)	ND (330)	ND (330)
4494	LWDS-04-BH04	40	ND (330)	ND (330)	ND (330)	ND (330)
4494	LWDS-04-BH04	45	ND (330)	ND (330)	ND (330)	ND (330)
4493	LWDS-04-BH04	50	ND (330)	ND (330)	ND (330)	ND (330)
4493	LWDS-04-BH04	56	ND (330)	ND (330)	ND (330)	ND (330)
4493	LWDS-04-BH04	60	ND (330)	ND (330)	ND (330)	ND (330)
4493	LWDS-04-BH04	65	ND (330)	ND (330)	ND (330)	ND (330)
4492	LWDS-04-BH04	70	ND (330)	ND (330)	ND (330)	ND (330)
4492	LWDS-04-BH04	70(D)	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Diethylphthalate
4492	LWDS-04-BH04	74	ND (330)	ND (330)	ND (330)	ND (330)
4492	LWDS-04-BH04	80	ND (330)	ND (330)	ND (330)	ND (330)
4522	LWDS-04-BH04	84	ND (330)	ND (330)	ND (330)	ND (330)
4522	LWDS-04-BH04	90	ND (330)	ND (330)	ND (330)	ND (330)
4522	LWDS-04-BH04	95	ND (330)	ND (330)	ND (330)	ND (330)
4491	LWDS-04-BH04	100	ND (330)	ND (330)	ND (330)	ND (330)
4546	LWDS-04-BH05	5	ND (330)	ND (330)	ND (330)	ND (330)
4546	LWDS-04-BH05	10	ND (330)	ND (330)	ND (330)	ND (330)
4546	LWDS-04-BH05	15	ND (330)	ND (330)	ND (330)	ND (330)
4546	LWDS-04-BH05	20	ND (330)	ND (330)	ND (330)	ND (330)
4523	LWDS-04-BH05	24	ND (330)	ND (330)	ND (330)	ND (330)
4523	LWDS-04-BH05	29	ND (330)	ND (330)	ND (330)	ND (330)
4523	LWDS-04-BH05	35	ND (330)	ND (330)	ND (330)	ND (330)
4523	LWDS-04-BH05	35(D)	ND (330)	ND (330)	ND (330)	ND (330)
4525	LWDS-04-BH05	40	ND (330)	ND (330)	ND (330)	ND (330)
4525	LWDS-04-BH05	45	ND (330)	ND (330)	ND (330)	ND (330)
4525	LWDS-04-BH05	50	ND (330)	ND (330)	ND (330)	ND (330)
4525	LWDS-04-BH05	55	ND (330)	ND (330)	ND (330)	ND (330)
4526	LWDS-04-BH05	59	ND (330)	ND (330)	ND (330)	ND (330)
4526	LWDS-04-BH05	65	ND (330)	ND (330)	ND (330)	ND (330)
4526	LWDS-04-BH05	69	ND (330)	ND (330)	ND (330)	ND (330)
4526	LWDS-04-BH05	75	ND (330)	ND (330)	ND (330)	ND (330)
4527	LWDS-04-BH05	80	ND (330)	ND (330)	ND (330)	ND (330)
4527	LWDS-04-BH05	80(D)	ND (330)	ND (330)	ND (330)	ND (330)
4527	LWDS-04-BH05	86	ND (330)	ND (330)	ND (330)	ND (330)
4528	LWDS-04-BH05	90	ND (330)	ND (330)	ND (330)	ND (330)
4528	LWDS-04-BH05	94	ND (330)	ND (330)	ND (330)	ND (330)
4528	LWDS-04-BH05	100	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	5	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	10	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	16	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	20	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	25	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	30	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	35	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Diethylphthalate
508688	LWDS-04-BH09	40	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	40(D)	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	45	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	50	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	5	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	10	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	15	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	15(D)	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	20	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	25	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	30	ND (330)	ND (330)	ND (330)	ND (330)
02033	LWDS-04-BH17-0	0	ND (660)	ND (660)	ND (660)	ND (660)
02033	LWDS-04-BH17-05	5	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-10	10	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-15	15	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-20	20	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-25	25	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-42	42	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-49	49	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-54	54	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-59	59	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-59	59(D)	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-0	0	ND (1600)	ND (1600)	ND (1600)	ND (1600)
02034	LWDS-04-BH18-05	5	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-10	10	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-15	15	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-15	15(D)	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-20	20	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-25	25	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-30	30	ND (330)	ND (330)	ND (330)	ND (330)
4741	LWDS-MW2	118	ND (660)	ND (660)	ND (660)	ND (660)
4724	LWDS-MW2	125	ND (330)	ND (330)	ND (330)	ND (330)
4599	LWDS-MW2	130	ND (330)	ND (330)	ND (330)	ND (330)
4599	LWDS-MW2	140	ND (330)	ND (330)	ND (330)	ND (330)
4724	LWDS-MW2	164	ND (330)	ND (330)	ND (330)	ND (330)
4724	LWDS-MW2	175	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Diethylphthalate
4725	LWDS-MW2	187	ND (330)	ND (330)	ND (330)	ND (330)
4727	LWDS-MW2	225	ND (330)	ND (330)	ND (330)	ND (330)
4739	LWDS-MW2	250	ND (330)	ND (330)	ND (330)	ND (330)
4738	LWDS-MW2	275	ND (330)	ND (330)	ND (330)	ND (330)
4738	LWDS-MW2	300	ND (330)	ND (330)	ND (330)	ND (330)
4738	LWDS-MW2	300(D)	ND (330)	ND (330)	ND (330)	ND (330)
4736	LWDS-MW2	325	ND (330)	ND (330)	ND (330)	ND (330)
4600	LWDS-MW2	350	ND (330)	ND (330)	ND (330)	ND (330)
4601	LWDS-MW2	378	ND (330)	ND (330)	ND (330)	ND (330)
4614	LWDS-MW2	400	ND (330)	ND (330)	ND (330)	ND (330)
4603	LWDS-MW2	430	ND (330)	ND (330)	ND (330)	ND (330)
4604	LWDS-MW2	434	ND (330)	ND (330)	ND (330)	ND (330)
4604	LWDS-MW2	449	ND (330)	ND (330)	ND (330)	ND (330)
4605	LWDS-MW2	475	ND (330)	ND (330)	ND (330)	ND (330)
4605	LWDS-MW2	490	ND (330)	ND (330)	ND (330)	ND (330)
4606	LWDS-MW2	530	ND (330)	ND (330)	ND (330)	ND (330)
04123	LWDS-SS-1	0	ND (330)	ND (330)	ND (330)	ND (330)
04032	LWDS-SS-2	0	ND (330)	ND (330)	ND (330)	ND (330)
04122	LWDS-SS-3	0	ND (330)	ND (330)	ND (330)	ND (330)
04032	LWDS-SS-4	0	ND (330)	ND (330)	ND (330)	ND (330)
04031	LWDS-SS-5	0	ND (330)	ND (330)	ND (330)	ND (330)
04123	LWDS-SS-6	0	ND (330)	ND (330)	ND (330)	ND (330)
04031	LWDS-SS-7	0	ND (330)	ND (330)	ND (330)	ND (330)
04122	LWDS-SS-8	0	ND (330)	ND (330)	ND (330)	ND (330)
04035	LWDS-SS-9	0	ND (330)	ND (330)	ND (330)	ND (330)
04052	LWDS-SS-10	0	ND (330)	ND (330)	ND (330)	ND (330)
04050	LWDS-SS-11	0	ND (330)	ND (330)	ND (330)	ND (330)
04042	LWDS-SS-12	0	ND (330)	ND (330)	ND (330)	ND (330)
04045	LWDS-SS-13	0	ND (330)	ND (330)	ND (330)	ND (330)
4053	LWDS-SS-14	0	ND (330)	ND (330)	ND (330)	ND (330)
4163	LWDS-SS-15	0	ND(330)	ND(330)	ND(330)	ND(330)
04033	LWDS-SS-16	0	ND (330)	ND (330)	ND (330)	ND (330)
04036	LWDS-SS-17	0	ND (330)	ND (330)	ND (330)	ND (330)
04052	LWDS-SS-18	0	ND (330)	ND (330)	ND (330)	ND (330)
04049	LWDS-SS-19	0	ND (330)	ND (330)	ND (330)	ND (330)
04042	LWDS-SS-20	0	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Diethylphthalate
04044	LWDS-SS-21	0	ND (330)	ND (330)	ND (330)	ND (330)
4047	LWDS-SS-22	0	ND (330)	ND (330)	ND (330)	ND (330)
4053	LWDS-SS-23	0	ND (6600)	ND (6600)	ND (6600)	ND (6600)
4054	LWDS-SS-23	0(D)	ND (6600)	ND (6600)	ND (6600)	ND (6600)
04033	LWDS-SS-24	0	ND (330)	ND (330)	ND (330)	ND (330)
04034	LWDS-SS-25	0	ND (330)	ND (330)	ND (330)	ND (330)
04051	LWDS-SS-26	0	ND (330)	ND (330)	ND (330)	ND (330)
04049	LWDS-SS-27	0	ND (330)	ND (330)	ND (330)	ND (330)
04041	LWDS-SS-28	0	ND (330)	ND (330)	ND (330)	ND (330)
04044	LWDS-SS-29	0	ND (330)	ND (330)	ND (330)	ND (330)
4047	LWDS-SS-30	0	ND (330)	ND (330)	ND (330)	ND (330)
4039	LWDS-SS-31	0(D)	ND (330)	ND (330)	ND (330)	ND (330)
4054	LWDS-SS-31	0	ND (330)	ND (330)	ND (330)	ND (330)
04037	LWDS-SS-32	0	ND (330)	ND (330)	ND (330)	ND (330)
04036	LWDS-SS-33	0	ND (330)	ND (330)	ND (330)	ND (330)
04051	LWDS-SS-34	0	ND (330)	ND (330)	ND (330)	ND (330)
04048	LWDS-SS-35	0	ND (330)	ND (330)	ND (330)	ND (330)
04040	LWDS-SS-36	0	ND (330)	ND (330)	ND (330)	ND (330)
04041	LWDS-SS-36	0(D)	ND (330)	ND (330)	ND (330)	ND (330)
04045	LWDS-SS-36[c]	0	**350**	**460**	**360**	ND (330)
04043	LWDS-SS-37	0	ND (330)	ND (330)	ND (330)	ND (330)
4046	LWDS-SS-38	0	ND (330)	ND (330)	ND (330)	ND (330)
4039	LWDS-SS-39	0	ND (3,300)	ND (3,300)	ND (3,300)	ND (3,300)
4162	LWDS-SS-39	0(D)	ND (3,300)	ND (3,300)	ND (3,300)	ND (3,300)
04037	LWDS-SS-40	0	ND (330)	ND (330)	ND (330)	ND (330)
04034	LWDS-SS-41	0(D)	ND (330)	ND (330)	ND (330)	ND (330)
04035	LWDS-SS-41	0	ND (330)	ND (330)	ND (330)	ND (330)
04050	LWDS-SS-42	0	ND (330)	ND (330)	ND (330)	ND (330)
04048	LWDS-SS-43	0	ND (330)	ND (330)	ND (330)	ND (330)
04040	LWDS-SS-44	0	ND (330)	ND (330)	ND (330)	ND (330)
04043	LWDS-SS-45	0	ND (330)	ND (330)	ND (330)	ND (330)
4046	LWDS-SS-46	0	ND (330)	ND (330)	ND (330)	ND (330)
4163	LWDS-SS-47	0	ND (330)	ND (330)	ND (330)	ND (330)
04038	LWDS-SS-48	0	ND (330)	ND (330)	ND (330)	ND (330)
4164	LWDS-SS-HS	0	ND (1,600)	ND (1,600)	ND (1,600)	ND (1,600)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Diethylphthalate
4162	LWDS-SS-HS	1	ND (1,100)	ND (1,100)	ND (1,100)	ND (1,100)
Quality Assurance/Quality Control Samples (µg/L)						
04426	LWDS-04-BH01 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
04427	LWDS-04-BH01 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4419	LWDS-04-BH02 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
04422	LWDS-04-BH02 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4413	LWDS-04-BH03 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4418	LWDS-04-BH03 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4411	LWDS-04-BH04 (EB)	NA	ND (11)	ND (11)	ND (11)	ND (11)
4547	LWDS-04-BH04 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4545	LWDS-04-BH05 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
508688	LWDS-04-BH09 (EB)	NA	ND (10)	ND (10)	ND (10)	1.9 J (10)
508427	LWDS-04-BH10 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4602	LWDS-MW2 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4744	LWDS-MW2 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	bis(2-Ethylhexyl) phthalate	Fluoranthene	Phenanthrene	Pyrene
04401	LWDS-04-BH01	5	ND (330)	ND (330)	ND (330)	ND (330)
04401	LWDS-04-BH01	10	ND (330)	ND (330)	ND (330)	ND (330)
04401	LWDS-04-BH01	15	ND (330)	ND (330)	ND (330)	ND (330)
04401	LWDS-04-BH01	20	ND (330)	ND (330)	ND (330)	ND (330)
04430	LWDS-04-BH01	25	**600**	ND (330)	ND (330)	ND (330)
04430	LWDS-04-BH01	30	ND (330)	ND (330)	ND (330)	ND (330)
04430	LWDS-04-BH01	35	ND (330)	ND (330)	ND (330)	ND (330)
04430	LWDS-04-BH01	35(D)	ND (330)	ND (330)	ND (330)	ND (330)
04429	LWDS-04-BH01	40	ND (330)	ND (330)	ND (330)	ND (330)
04429	LWDS-04-BH01	45	ND (330)	ND (330)	ND (330)	ND (330)
04429	LWDS-04-BH01	50	ND (330)	ND (330)	ND (330)	ND (330)
04429	LWDS-04-BH01	55	**670**	ND (330)	ND (330)	ND (330)
04428	LWDS-04-BH01	60	ND (330)	ND (330)	ND (330)	ND (330)
04425	LWDS-04-BH01	75	ND (330)	ND (330)	ND (330)	ND (330)
04425	LWDS-04-BH01	80	ND (330)	ND (330)	ND (330)	ND (330)
04425	LWDS-04-BH01	85	ND (330)	ND (330)	ND (330)	ND (330)
04424	LWDS-04-BH01	90	ND (330)	ND (330)	ND (330)	ND (330)
04424	LWDS-04-BH01	95	ND (330)	ND (330)	ND (330)	ND (330)
04424	LWDS-04-BH01	95(D)	ND (330)	ND (330)	ND (330)	ND (330)
04402	LWDS-04-BH02	5	ND (330)	ND (330)	ND (330)	ND (330)
04402	LWDS-04-BH02	10	ND (330)	ND (330)	ND (330)	ND (330)
04402	LWDS-04-BH02	15	ND (330)	ND (330)	ND (330)	ND (330)
04402	LWDS-04-BH02	20	**550**	ND (330)	ND (330)	ND (330)
04423	LWDS-04-BH02	25	ND (330)	ND (330)	ND (330)	ND (330)
04423	LWDS-04-BH02	30	ND (330)	ND (330)	ND (330)	ND (330)
04423	LWDS-04-BH02	35	ND (330)	ND (330)	ND (330)	ND (330)
04423	LWDS-04-BH02	40	ND (330)	ND (330)	ND (330)	ND (330)
04421	LWDS-04-BH02	45	ND (330)	ND (330)	ND (330)	ND (330)
04421	LWDS-04-BH02	50	ND (330)	ND (330)	ND (330)	ND (330)
04421	LWDS-04-BH02	50(D)	ND (330)	ND (330)	ND (330)	ND (330)
04421	LWDS-04-BH02	70	ND (330)	ND (330)	ND (330)	ND (330)
04420	LWDS-04-BH02	75	ND (330)	ND (330)	ND (330)	ND (330)
04420	LWDS-04-BH02	75(D)	ND (330)	ND (330)	ND (330)	ND (330)
04420	LWDS-04-BH02	80	ND (330)	ND (330)	ND (330)	ND (330)
4403	LWDS-04-BH02	85	ND (330)	ND (330)	ND (330)	ND (330)
4403	LWDS-04-BH02	90	ND (330)	ND (330)	ND (330)	ND (330)
4403	LWDS-04-BH02	95	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	bis(2-Ethylhexyl) phthalate	Fluoranthene	Phenanthrene	Pyrene
4403	LWDS-04-BH02	95(D)	ND (330)	ND (330)	ND (330)	ND (330)
4404	LWDS-04-BH02	100	ND (330)	ND (330)	ND (330)	ND (330)
4417	LWDS-04-BH03	5	ND (330)	ND (330)	ND (330)	ND (330)
4417	LWDS-04-BH03	10	ND (330)	ND (330)	ND (330)	ND (330)
4417	LWDS-04-BH03	15	ND (330)	ND (330)	ND (330)	ND (330)
4416	LWDS-04-BH03	20(D)	ND (330)	ND (330)	ND (330)	ND (330)
4417	LWDS-04-BH03	20	ND (330)	ND (330)	ND (330)	ND (330)
4416	LWDS-04-BH03	25	ND (330)	ND (330)	ND (330)	ND (330)
4416	LWDS-04-BH03	30	ND (330)	ND (330)	ND (330)	ND (330)
4416	LWDS-04-BH03	35	ND (330)	ND (330)	ND (330)	ND (330)
4415	LWDS-04-BH03	41	ND (330)	ND (330)	ND (330)	ND (330)
4415	LWDS-04-BH03	45	ND (330)	ND (330)	ND (330)	ND (330)
4415	LWDS-04-BH03	50	ND (330)	ND (330)	ND (330)	ND (330)
4415	LWDS-04-BH03	54	ND (330)	ND (330)	ND (330)	ND (330)
4414	LWDS-04-BH03	60	ND (330)	ND (330)	ND (330)	ND (330)
4414	LWDS-04-BH03	65	ND (330)	ND (330)	ND (330)	ND (330)
4414	LWDS-04-BH03	70	ND (330)	ND (330)	ND (330)	ND (330)
4412	LWDS-04-BH03	80	ND (330)	ND (330)	ND (330)	ND (330)
4412	LWDS-04-BH03	85	ND (330)	ND (330)	ND (330)	ND (330)
4407	LWDS-04-BH04	5	ND (330)	ND (330)	ND (330)	ND (330)
4407	LWDS-04-BH04	10	ND (330)	ND (330)	ND (330)	ND (330)
4407	LWDS-04-BH04	15	ND (330)	ND (330)	ND (330)	ND (330)
4407	LWDS-04-BH04	20	ND (330)	ND (330)	ND (330)	ND (330)
4406	LWDS-04-BH04	25	ND (330)	ND (330)	ND (330)	ND (330)
4406	LWDS-04-BH04	30	**470**	ND (330)	ND (330)	ND (330)
4406	LWDS-04-BH04	35	ND (330)	ND (330)	ND (330)	ND (330)
4406	LWDS-04-BH04	35(D)	ND (330)	ND (330)	ND (330)	ND (330)
4494	LWDS-04-BH04	40	ND (330)	ND (330)	ND (330)	ND (330)
4494	LWDS-04-BH04	45	ND (330)	ND (330)	ND (330)	ND (330)
4493	LWDS-04-BH04	50	ND (330)	ND (330)	ND (330)	ND (330)
4493	LWDS-04-BH04	56	ND (330)	ND (330)	ND (330)	ND (330)
4493	LWDS-04-BH04	60	ND (330)	ND (330)	ND (330)	ND (330)
4493	LWDS-04-BH04	65	ND (330)	ND (330)	ND (330)	ND (330)
4492	LWDS-04-BH04	70	ND (330)	ND (330)	ND (330)	ND (330)
4492	LWDS-04-BH04	70(D)	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	bis(2-Ethylhexyl) phthalate	Fluoranthene	Phenanthrene	Pyrene
4492	LWDS-04-BH04	74	ND (330)	ND (330)	ND (330)	ND (330)
4492	LWDS-04-BH04	80	ND (330)	ND (330)	ND (330)	ND (330)
4522	LWDS-04-BH04	84	ND (330)	ND (330)	ND (330)	ND (330)
4522	LWDS-04-BH04	90	ND (330)	ND (330)	ND (330)	ND (330)
4522	LWDS-04-BH04	95	ND (330)	ND (330)	ND (330)	ND (330)
4491	LWDS-04-BH04	100	ND (330)	ND (330)	ND (330)	ND (330)
4546	LWDS-04-BH05	5	ND (330)	ND (330)	ND (330)	ND (330)
4546	LWDS-04-BH05	10	ND (330)	ND (330)	ND (330)	ND (330)
4546	LWDS-04-BH05	15	ND (330)	ND (330)	ND (330)	ND (330)
4546	LWDS-04-BH05	20	ND (330)	ND (330)	ND (330)	ND (330)
4523	LWDS-04-BH05	24	ND (330)	ND (330)	ND (330)	ND (330)
4523	LWDS-04-BH05	29	ND (330)	ND (330)	ND (330)	ND (330)
4523	LWDS-04-BH05	35	ND (330)	ND (330)	ND (330)	ND (330)
4523	LWDS-04-BH05	35(D)	ND (330)	ND (330)	ND (330)	ND (330)
4525	LWDS-04-BH05	40	ND (330)	ND (330)	ND (330)	ND (330)
4525	LWDS-04-BH05	45	ND (330)	ND (330)	ND (330)	ND (330)
4525	LWDS-04-BH05	50	ND (330)	ND (330)	ND (330)	ND (330)
4525	LWDS-04-BH05	55	ND (330)	ND (330)	ND (330)	ND (330)
4526	LWDS-04-BH05	59	ND (330)	ND (330)	ND (330)	ND (330)
4526	LWDS-04-BH05	65	ND (330)	ND (330)	ND (330)	ND (330)
4526	LWDS-04-BH05	69	ND (330)	ND (330)	ND (330)	ND (330)
4526	LWDS-04-BH05	75	ND (330)	ND (330)	ND (330)	ND (330)
4527	LWDS-04-BH05	80	ND (330)	ND (330)	ND (330)	ND (330)
4527	LWDS-04-BH05	80(D)	ND (330)	ND (330)	ND (330)	ND (330)
4527	LWDS-04-BH05	86	ND (330)	ND (330)	ND (330)	ND (330)
4528	LWDS-04-BH05	90	ND (330)	ND (330)	ND (330)	ND (330)
4528	LWDS-04-BH05	94	ND (330)	ND (330)	ND (330)	ND (330)
4528	LWDS-04-BH05	100	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	5	**520**	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	10	**130 J (330)**	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	16	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	20	**200 J (330)**	**48 J (330)**	ND (330)	ND (330)
508688	LWDS-04-BH09	25	**95 J (330)**	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	30	**260 J (330)**	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	35	**42 J (330)**	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	bis(2-Ethylhexyl) phthalate	Fluoranthene	Phenanthrene	Pyrene
508688	LWDS-04-BH09	40	**160 J (330)**	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	40(D)	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	45	ND (330)	ND (330)	ND (330)	ND (330)
508688	LWDS-04-BH09	50	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	5	**110 J (330)**	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	10	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	15	**100 J (330)**	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	15(D)	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	20	**260 J (330)**	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	25	ND (330)	ND (330)	ND (330)	ND (330)
508427	LWDS-04-BH10	30	**45 J (330)**	ND (330)	ND (330)	ND (330)
02033	LWDS-04-BH17-0	0	**80 J (660)**	ND (660)	ND (660)	ND (660)
02033	LWDS-04-BH17-05	5	**46 J (330)**	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-10	10	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-15	15	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-20	20	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-25	25	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-42	42	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-49	49	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-54	54	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-59	59	ND (330)	ND (330)	ND (330)	ND (330)
02031	LWDS-04-BH17-59	59(D)	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-0	0	ND (1600)	ND (1600)	ND (1600)	ND (1600)
02034	LWDS-04-BH18-05	5	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-10	10	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-15	15	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-15	15(D)	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-20	20	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-25	25	ND (330)	ND (330)	ND (330)	ND (330)
02034	LWDS-04-BH18-30	30	ND (330)	ND (330)	ND (330)	ND (330)
4741	LWDS-MW2	118	ND (660)	ND (660)	ND (660)	ND (660)
4724	LWDS-MW2	125	ND (330)	ND (330)	ND (330)	ND (330)
4599	LWDS-MW2	130	ND (330)	ND (330)	ND (330)	ND (330)
4599	LWDS-MW2	140	ND (330)	ND (330)	ND (330)	ND (330)
4724	LWDS-MW2	164	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	bis(2-Ethylhexyl) phthalate	Fluoranthene	Phenanthrene	Pyrene
4724	LWDS-MW2	175	ND (330)	ND (330)	ND (330)	ND (330)
4725	LWDS-MW2	187	ND (330)	ND (330)	ND (330)	ND (330)
4727	LWDS-MW2	225	ND (330)	ND (330)	ND (330)	ND (330)
4739	LWDS-MW2	250	ND (330)	ND (330)	ND (330)	ND (330)
4738	LWDS-MW2	275	ND (330)	ND (330)	ND (330)	ND (330)
4738	LWDS-MW2	300	ND (330)	ND (330)	ND (330)	ND (330)
4738	LWDS-MW2	300(D)	ND (330)	ND (330)	ND (330)	ND (330)
4736	LWDS-MW2	325	ND (330)	ND (330)	ND (330)	ND (330)
4600	LWDS-MW2	350	ND (330)	ND (330)	ND (330)	ND (330)
4601	LWDS-MW2	378	ND (330)	ND (330)	ND (330)	ND (330)
4614	LWDS-MW2	400	ND (330)	ND (330)	ND (330)	ND (330)
4603	LWDS-MW2	430	ND (330)	ND (330)	ND (330)	ND (330)
4604	LWDS-MW2	434	ND (330)	ND (330)	ND (330)	ND (330)
4604	LWDS-MW2	449	ND (330)	ND (330)	ND (330)	ND (330)
4605	LWDS-MW2	475	ND (330)	ND (330)	ND (330)	ND (330)
4605	LWDS-MW2	490	ND (330)	ND (330)	ND (330)	ND (330)
4606	LWDS-MW2	530	ND (330)	ND (330)	ND (330)	ND (330)
04123	LWDS-SS-1	0	ND (330)	ND (330)	ND (330)	ND (330)
04032	LWDS-SS-2	0	ND (330)	ND (330)	ND (330)	ND (330)
04122	LWDS-SS-3	0	ND (330)	ND (330)	ND (330)	ND (330)
04032	LWDS-SS-4	0	ND (330)	ND (330)	ND (330)	ND (330)
04031	LWDS-SS-5	0	ND (330)	ND (330)	ND (330)	ND (330)
04123	LWDS-SS-6	0	ND (330)	ND (330)	ND (330)	ND (330)
04031	LWDS-SS-7	0	ND (330)	ND (330)	ND (330)	ND (330)
04122	LWDS-SS-8	0	ND (330)	ND (330)	ND (330)	ND (330)
04035	LWDS-SS-9	0	ND (330)	ND (330)	ND (330)	ND (330)
04052	LWDS-SS-10	0	ND (330)	ND (330)	ND (330)	ND (330)
04050	LWDS-SS-11	0	ND (330)	ND (330)	ND (330)	ND (330)
04042	LWDS-SS-12	0	ND (330)	ND (330)	ND (330)	ND (330)
04045	LWDS-SS-13	0	ND (330)	ND (330)	ND (330)	ND (330)
4053	LWDS-SS-14	0	ND (330)	ND (330)	ND (330)	ND (330)
4163	LWDS-SS-15	0	ND (330)	ND (330)	ND (330)	ND (330)
04033	LWDS-SS-16	0	ND (330)	ND (330)	ND (330)	ND (330)
04036	LWDS-SS-17	0	ND (330)	ND (330)	ND (330)	ND (330)
04052	LWDS-SS-18	0	ND (330)	ND (330)	ND (330)	ND (330)
04049	LWDS-SS-19	0	ND (330)	ND (330)	ND (330)	ND (330)
04042	LWDS-SS-20	0	ND (330)	ND (330)	ND (330)	ND (330)

Refer to footnotes at end of table.

Table A-3 (Continued)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	bis(2-Ethylhexyl) phthalate	Fluoranthene	Phenanthrene	Pyrene
04044	LWDS-SS-21	0	ND (330)	ND (330)	ND (330)	ND (330)
4047	LWDS-SS-22	0	ND (330)	ND (330)	ND (330)	ND (330)
4053	LWDS-SS-23	0	**5,900 J (6,600)**	ND (6600)	ND (6600)	ND (6600)
4054	LWDS-SS-23	0(D)	**5,500 J (6,600)**	ND (6600)	ND (6600)	ND (6600)
04033	LWDS-SS-24	0	ND (330)	ND (330)	ND (330)	ND (330)
04034	LWDS-SS-25	0	ND (330)	ND (330)	ND (330)	ND (330)
04051	LWDS-SS-26	0	ND (330)	ND (330)	ND (330)	ND (330)
04049	LWDS-SS-27	0	ND (330)	ND (330)	ND (330)	ND (330)
04041	LWDS-SS-28	0	ND (330)	ND (330)	ND (330)	ND (330)
04044	LWDS-SS-29	0	ND (330)	ND (330)	ND (330)	ND (330)
4047	LWDS-SS-30	0	ND (330)	ND (330)	ND (330)	ND (330)
4039	LWDS-SS-31	0(D)	ND (330)	ND (330)	ND (330)	ND (330)
4054	LWDS-SS-31	0	ND (330)	ND (330)	ND (330)	ND (330)
04037	LWDS-SS-32	0	ND (330)	ND (330)	ND (330)	ND (330)
04036	LWDS-SS-33	0	ND (330)	ND (330)	ND (330)	**400**
04051	LWDS-SS-34	0	ND (330)	ND (330)	ND (330)	ND (330)
04048	LWDS-SS-35	0	ND (330)	ND (330)	ND (330)	ND (330)
04040	LWDS-SS-36	0	ND (330)	ND (330)	ND (330)	ND (330)
04041	LWDS-SS-36	0(D)	ND (330)	ND (330)	ND (330)	ND (330)
04045	LWDS-SS-36[c]	0	ND (330)	**850**	**710**	**750**
04043	LWDS-SS-37	0	ND (330)	ND (330)	ND (330)	ND (330)
4046	LWDS-SS-38	0	ND (330)	ND (330)	ND (330)	ND (330)
4039	LWDS-SS-39	0	ND (3,300)	ND (3,300)	ND (3,300)	ND (3,300)
4162	LWDS-SS-39	0(D)	ND (3,300)	ND (3,300)	ND (3,300)	ND (3,300)
04037	LWDS-SS-40	0	ND (330)	ND (330)	ND (330)	ND (330)
04034	LWDS-SS-41	0(D)	ND (330)	ND (330)	ND (330)	ND (330)
04035	LWDS-SS-41	0	ND (330)	ND (330)	ND (330)	ND (330)
04050	LWDS-SS-42	0	ND (330)	ND (330)	ND (330)	ND (330)
04048	LWDS-SS-43	0	ND (330)	ND (330)	ND (330)	ND (330)
04040	LWDS-SS-44	0	ND (330)	ND (330)	ND (330)	ND (330)
04043	LWDS-SS-45	0	ND (330)	ND (330)	ND (330)	ND (330)
4046	LWDS-SS-46	0	ND (330)	ND (330)	ND (330)	ND (330)
4163	LWDS-SS-47	0	ND (330)	ND (330)	ND (330)	ND (330)
04038	LWDS-SS-48	0	ND (330)	ND (330)	ND (330)	ND (330)
4164	LWDS-SS-HS	0	ND (1,600)	ND (1,600)	ND (1,600)	ND (1,600)

Refer to footnotes at end of table.

Table A-3 (Concluded)
Summary of SWMU 4 Soil Sampling, SVOC Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			SVOCs (EPA Method 8270[a]) (µg/kg)			
Record Number[b]	ER Sample ID	Sample Depth (ft)	bis(2-Ethylhexyl) phthalate	Fluoranthene	Phenanthrene	Pyrene
4162	LWDS-SS-HS	1	**230 J (1,100)**	ND (1,100)	ND (1,100)	ND (1,100)
Quality Assurance/Quality Control Samples (µg/L)						
04426	LWDS-04-BH01 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
04427	LWDS-04-BH01 (EB)	NA	10	ND (10)	ND (10)	ND (10)
4419	LWDS-04-BH02 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
04422	LWDS-04-BH02 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4413	LWDS-04-BH03 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4418	LWDS-04-BH03 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4411	LWDS-04-BH04 (EB)	NA	ND (11)	ND (11)	ND (11)	ND (11)
4547	LWDS-04-BH04 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4545	LWDS-04-BH05 (EB)	NA	27	ND (10)	ND (10)	ND (10)
508688	LWDS-04-BH09 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
508427	LWDS-04-BH10 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4602	LWDS-MW2 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)
4744	LWDS-MW2 (EB)	NA	ND (10)	ND (10)	ND (10)	ND (10)

Note: Values in **bold** represent detected analytes.

[a]EPA November 1986.

[b]Analysis request/chain-of-custody record.

[c]Soil sample collected at drain outfall in Impoundment 2; this sample was located in Grid 35 on maps but included with samples collected in Grid 36.

(EB) = Equipment Blank (added as identifier to ER Sample ID).
(D) = Duplicate sample.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
J ( ) = Estimated value is less than laboratory reporting limit, shown in parentheses.
µg/kg = Microgram(s) per kilogram.
µg/L = Microgram(s) per liter.
NA = Not applicable.
ND ( ) = Analyte not detected above the RL, shown in parentheses.
RL = Reporting limit.
SVOC = Semivolatile organic compound.
SWMU = Solid Waste Management Unit.

Table A-4
Summary of SWMU 4 Soil Sampling SVOC Analytical RLs
July 1992–December 1994
(Off-Site Laboratory)

Analyte	Reporting Limit (µg/kg)
Acenaphthene	330–6,600
Acenaphthylene	330–6,600
Anthracene	330–6,600
Benzo(a)anthracene	330–6,600
Benzo(a)pyrene	330–6,600
Benzo(b)fluoranthene	330–6,600
Benzo(g,h,i)perylene	330–6,600
Benzo(k)fluoranthene	330–6,600
Benzoic acid	1,600–32,000
Benzyl alcohol	330–6,600
4-Bromophenyl phenyl ether	330–6,600
Butylbenzyl phthalate	330–6,600
Carbazole	330–1,600
4-Chlorobenzenamine	330–6,600
bis(2-Chloroethoxy)methane	330–6,600
bis(2-Chloroethyl)ether	330–6,600
bis-Chloroisopropyl ether	330–6,600
4-Chloro-3-methylphenol	330–6,600
2-Chloronaphthalene	330–6,600
2-Chlorophenol	330–6,600
4-Chlorophenyl phenyl ether	330–6,600
Chrysene	330–6,600
o-Cresol	330–6,600
p-Cresol	330–6,600
Di-n-butyl phthalate	330–6,600
Di-n-octyl phthalate	330–6,600
Dibenz[a,h]anthracene	330–6,600
Dibenzofuran	330–6,600
1,2-Dichlorobenzene	330–6,600
1,3-Dichlorobenzene	330–6,600
1,4-Dichlorobenzene	330–6,600
3,3'-Dichlorobenzidine	660–13,000
2,4-Dichlorophenol	330–6,600
Diethylphthalate	330–6,600
2,4-Dimethylphenol	330–6,600
Dimethylphthalate	330–6,600
Dinitro-o-cresol	1,600–32,000
2,4-Dinitrophenol	1,600–32,000
2,4-Dinitrotoluene	330–6,600
2,6-Dinitrotoluene	330–6,600
bis(2-Ethylhexyl) phthalate	330–6,600
Fluoranthene	330–6,600
Fluorene	330–6,600
Hexachlorobenzene	330–6,600
Hexachlorobutadiene	330–6,600

Refer to footnotes at end of table.

Table A-4 (Concluded)
Summary of SWMU 4 Soil Sampling SVOC Analytical RLs
July 1992–December 1994
(Off-Site Laboratory)

Analyte	Reporting Limit (µg/kg)
Hexachlorocyclopentadiene	330–6,600
Hexachloroethane	330–6,600
Indeno(1,2,3-cd)pyrene	330–6,600
Isophorone	330–6,600
2-Methylnaphthalene	330–6,600
Naphthalene	330–6,600
2-Nitroaniline	1,600–32,000
3-Nitroaniline	1,600–32,000
4-Nitroaniline	1,600–32,000
Nitrobenzene	330–6,600
2-Nitrophenol	330–6,600
4-Nitrophenol	1,600–32,000
n-Nitrosodiphenylamine	330–6,600
n-Nitrosodipropylamine	330–6,600
Pentachlorophenol	1,600–32,000
Phenanthrene	330–6,600
Phenol	330–6,600
Pyrene	330–6,600
1,2,4-Trichlorobenzene	330–6,600
2,4,5-Trichlorophenol	1,600–32,000
2,4,6-Trichlorophenol	330–6,600

µg/kg = Microgram(s) per kilogram.
RL = Reporting limit.
SVOC = Semivolatile organic compound.
SWMU = Solid Waste Management Unit.

Table A-5
Summary of SWMU 4 Soil Sampling, PCB Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			(EPA Method 8080[a]) (µg/kg)
Record Number[b]	ER Sample ID	Sample Depth (ft)	Aroclor 1260
02033	LWDS-04-BH17-0	0	ND (33)
02033	LWDS-04-BH17-05	5	ND (33)
02034	LWDS-04-BH18-0	0	ND (33)
02034	LWDS-04-BH18-05	5	ND (33)
508427	LWDS-PCB-1 (LWDS-BH10)	0	ND (33)
508427	LWDS-PCB-1 (LWDS-BH10)	2	ND (33)
508427	LWDS-PCB-1 (LWDS-BH10)	2(D)	ND (33)
04123	LWDS-SS-1	0	ND (33)
04032	LWDS-SS-2	0	ND (33)
04122	LWDS-SS-3	0	ND (33)
04032	LWDS-SS-4	0	ND (33)
04031	LWDS-SS-5	0	ND (33)
04123	LWDS-SS-6	0	ND (33)
04031	LWDS-SS-7	0	ND (33)
04122	LWDS-SS-8	0	ND (33)
04035	LWDS-SS-9	0	ND (33)
04052	LWDS-SS-10	0	ND (33)
04050	LWDS-SS-11	0	ND (33)
04042	LWDS-SS-12	0	ND (33)
04045	LWDS-SS-13	0	ND (33)
4053	LWDS-SS-14	0	ND (33)
4163	LWDS-SS-15	0	ND (33)
04033	LWDS-SS-16	0	ND (33)
04036	LWDS-SS-17	0	ND (33)
04052	LWDS-SS-18	0	ND (33)
04049	LWDS-SS-19	0	ND (33)
04042	LWDS-SS-20	0	ND (33)
04044	LWDS-SS-21	0	ND (33)
4047	LWDS-SS-22	0	ND (33)
4053	LWDS-SS-23	0	ND (33)
4054	LWDS-SS-23	0(D)	ND (33)
04033	LWDS-SS-24	0	ND (33)
04034	LWDS-SS-25	0	ND (33)
04051	LWDS-SS-26	0	ND (33)
04049	LWDS-SS-27	0	**39**
04041	LWDS-SS-28	0	ND (33)
04044	LWDS-SS-29	0	ND (33)
4047	LWDS-SS-30	0	ND (33)
4039	LWDS-SS-31	0(D)	ND (33)
4054	LWDS-SS-31	0	ND (33)
04037	LWDS-SS-32	0	ND (33)
04036	LWDS-SS-33	0	ND (33)

Refer to footnotes at end of table.

Table A-5 (Concluded)
Summary of SWMU 4 Soil Sampling, PCB Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			(EPA Method 8080[a]) (µg/kg)
Record Number[b]	ER Sample ID	Sample Depth (ft)	Aroclor 1260
04051	LWDS-SS-34	0	**71**
04048	LWDS-SS-35	0	ND (33)
04040	LWDS-SS-36	0	ND (33)
04041	LWDS-SS-36	0(D)	**35**
04045	LWDS-SS-36[c]	0	ND (33)
04043	LWDS-SS-37	0	ND (33)
4046	LWDS-SS-38	0	ND (33)
4039	LWDS-SS-39	0	ND (33)
4162	LWDS-SS-39	0(D)	ND (33)
04037	LWDS-SS-40	0	ND (33)
04034	LWDS-SS-41	0(D)	ND (33)
04035	LWDS-SS-41	0	ND (33)
04050	LWDS-SS-42	0	ND (33)
04048	LWDS-SS-43	0	ND (33)
04040	LWDS-SS-44	0	ND (33)
04043	LWDS-SS-45	0	ND (33)
4046	LWDS-SS-46	0	ND (33)
4163	LWDS-SS-47	0	ND (33)
04038	LWDS-SS-48	0	ND (33)
4164	LWDS-SS-HS	0	ND (33)
4162	LWDS-SS-HS	1	ND (33)

Note: Values in **bold** represent detected analytes.
[a]EPA November 1986.
[b]Analysis request/chain-of-custody record.
[c]Soil sample collected at drain outfall in Impoundment 2; this sample was located in Grid 35 on maps but included with samples collected in Grid 36.

(D) = Duplicate sample.
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
µg/kg = Microgram(s) per kilogram.
ND ( ) = Analyte not detected above the RL, shown in parentheses.
PCB = Polychlorinated biphenyl.
RL = Reporting limit.
SWMU = Solid Waste Management Unit.

Table A-6
Summary of SWMU 4 Soil Sampling PCB Analytical RLs
July 1992–December 1994
(Off-Site Laboratory)

Analyte	Reporting Limit (µg/kg)
Aroclor 1016	33
Aroclor 1221	33
Aroclor 1232	33
Aroclor 1242	33
Aroclor 1248	33
Aroclor 1254	33
Aroclor 1260	33

µg/kg = Microgram(s) per kilogram.
PCB = Polychlorinated biphenyl.
RL = Reporting limit.
SWMU = Solid Waste Management Unit.

Table A-7
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium
04401	LWDS-04-BH01	5	**ND (6)**	3.1	87.2	0.47	ND (0.5)	6.5
04401	LWDS-04-BH01	10	**ND (6)**	2.7	81.8	0.44	ND (0.5)	6.5
04401	LWDS-04-BH01	15	**ND (6)**	ND (4)	71.3	0.24	ND (0.5)	5
04401	LWDS-04-BH01	20	**ND (6)**	2.7	87.6	0.38	ND (0.5)	6.2
04430	LWDS-04-BH01	25	**ND (6)**	2.6	81.1	0.26	ND (0.5)	10.8
04430	LWDS-04-BH01	30	**ND (6)**	3.2	37.4	0.35	ND (0.5)	6.8
04430	LWDS-04-BH01	35	**ND (6)**	2.4	126	0.28	ND (0.5)	7
04430	LWDS-04-BH01	35(D)	**ND (6)**	2.1	72.2	0.26	ND (0.5)	**17.3**
04429	LWDS-04-BH01	40	**ND (6)**	1.4	26.4	0.3	ND (0.5)	9.7
04429	LWDS-04-BH01	45	**ND (6)**	1.5	35.9	0.23	ND (0.5)	4.7
04429	LWDS-04-BH01	50	**ND (6)**	1.1	33.3	0.2	ND (0.5)	4.4
04429	LWDS-04-BH01	55	**ND (6)**	1.8	71.7	0.26	ND (0.5)	15.9
04428	LWDS-04-BH01	60	**ND (6)**	0.88	38.7	ND (0.2)	ND (0.5)	5.2
04425	LWDS-04-BH01	75	**ND (6)**	2.2	122	0.33	ND (0.5)	**19.9**
04425	LWDS-04-BH01	80	**ND (6)**	2.8	64.3	0.4	ND (0.5)	8.6
04425	LWDS-04-BH01	85	**ND (6)**	1.6	45.6	0.23	ND (0.5)	6
04425	LWDS-04-BH01	85(D)	**ND (6)**	1.6	43.8	0.2	ND (0.5)	5.9
04424	LWDS-04-BH01	90	**ND (6)**	2.3	95.3	0.33	ND (0.5)	7.4
04424	LWDS-04-BH01	95	**ND (6)**	1.6	79.5	0.25	ND (0.5)	**58.1**
04424	LWDS-04-BH01	95(D)	**ND (6)**	1.2	87	0.26	ND (0.5)	5.6
04402	LWDS-04-BH02	5	**ND (6)**	3.7	90.2	0.40	ND (0.5)	7.2
04402	LWDS-04-BH02	10	**ND (6)**	3.0	74.6	0.41	ND (0.5)	7.4
04402	LWDS-04-BH02	15	**ND (6)**	1.5	41.0	ND (0.2)	ND (0.5)	5.2
04402	LWDS-04-BH02	20	**ND (12)**	2.4	57.0	ND (0.4)	**ND (1)**	7.4
04423	LWDS-04-BH02	25	**ND (6)**	1.7	54.8	0.33	ND (0.5)	8.4
04423	LWDS-04-BH02	30	**ND (6)**	2.5	40.7	0.37	ND (0.5)	8.5
04423	LWDS-04-BH02	35	**ND (6)**	1.8	73.0	0.28	ND (0.5)	5.2
04423	LWDS-04-BH02	40	**ND (6)**	2.2	111	0.37	ND (0.5)	19.4
04421	LWDS-04-BH02	45	**ND (6)**	1.2	63.8	0.41	ND (0.5)	14.1
04421	LWDS-04-BH02	50	**ND (6)**	0.73	33.8	0.3	ND (0.5)	8.8
04421	LWDS-04-BH02	50(D)	**ND (6)**	0.9	41.4	0.24	ND (0.5)	8.3
04421	LWDS-04-BH02	70	**ND (6)**	1.7	93.4	0.41	ND (0.5)	**35.7**
04420	LWDS-04-BH02	75	**ND (6)**	1.8	57.4	0.41	ND (0.5)	14.3
04420	LWDS-04-BH02	80	**ND (6)**	2.1	54.3	0.41	ND (0.5)	9
04403	LWDS-04-BH02	85	**ND (6)**	1.5	93.3	0.35	ND (0.5)	16
04403	LWDS-04-BH02	90	**ND (6)**	1.1	40.4	0.26	ND (0.5)	5
Background Concentration (surface/subsurface)[c]			3.9/3.9	5.6/4.4	130/214	0.65/0.65	<1.0/0.9	17.3/15.9

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium
04403	LWDS-04-BH02	95	**ND (6)**	1.4	84	0.38	ND (0.5)	8.2
04403	LWDS-04-BH02	95(D)	**ND (6)**	1.3	64.3	0.22	ND (0.5)	6.9
04404	LWDS-04-BH02	100	**ND (6)**	1.3	51.3	0.44	ND (0.5)	7.2
4417	LWDS-04-BH03	5	**ND (6)**	2	71	0.43	ND (0.5)	5.8
4417	LWDS-04-BH03	10	**ND (6)**	1.2	44.8	0.4	ND (0.5)	6.4
4417	LWDS-04-BH03	15	**ND (6)**	2.3	81.8	0.33	ND (0.5)	6.3
4416	LWDS-04-BH03	20(D)	**ND (6)**	1.4	40.4	ND (0.2)	ND (0.5)	5.2
4417	LWDS-04-BH03	20	**ND (6)**	1.5	71.1	ND (0.2)	ND (0.5)	8.2
4416	LWDS-04-BH03	25	**ND (6)**	1.4	66	0.26	ND (0.5)	7.3
4416	LWDS-04-BH03	30	**ND (6)**	0.57	102	0.46	0.61	12.2
4416	LWDS-04-BH03	35	**ND (6)**	1.2	160	0.26	ND (0.5)	7.6
4415	LWDS-04-BH03	41	**ND (6)**	1.4	101	0.36	ND (0.5)	6.8
4415	LWDS-04-BH03	45	**ND (6)**	0.87	49.2	0.21	ND (0.5)	6.2
4415	LWDS-04-BH03	50	**ND (12)**	0.51	38.4	ND (0.4)	**ND (1)**	7.4
4415	LWDS-04-BH03	54	**ND (6)**	1	45.8	0.2	ND (0.5)	4.3
4414	LWDS-04-BH03	60	**ND (6)**	1.6	76.5	0.33	ND (0.5)	7.2
4414	LWDS-04-BH03	65	**ND (6)**	1.1	86.3	ND (0.2)	ND (0.5)	**28.3**
4414	LWDS-04-BH03	70	**ND (6)**	1.9	97	0.36	ND (0.5)	7.9
4412	LWDS-04-BH03	80	**ND (6)**	1.8	89	0.36	ND (0.5)	9.4
4412	LWDS-04-BH03	85	**ND (6)**	1.6	76	0.39	ND (0.5)	13.2
4407	LWDS-04-BH04	5	**ND (6)**	3.5	123	0.36	ND (0.5)	7.3
4407	LWDS-04-BH04	10	**ND (6)**	1.9	102	0.37	ND (0.5)	6.3
4407	LWDS-04-BH04	15	**ND (6)**	2.5	94.2	0.53	ND (0.5)	9
4407	LWDS-04-BH04	20	**ND (6)**	2	152	0.44	ND (0.5)	8.7
4406	LWDS-04-BH04	25	**ND (6)**	1.6	68.1	0.35	ND (0.5)	7.1
4406	LWDS-04-BH04	30	**ND (6)**	1.2	66.4	0.35	ND (0.5)	12.2
4406	LWDS-04-BH04	35	**ND (6)**	1.4	112	0.37	ND (0.5)	5.9
4406	LWDS-04-BH04	35(D)	**ND (6)**	1.2	55.9	0.38	ND (0.5)	6
4494	LWDS-04-BH04	40	**ND (6)**	0.84	38.6	0.37	ND (0.5)	8.9
4494	LWDS-04-BH04	45	**ND (6)**	0.89	36.4	0.3	ND (0.5)	8.9
4493	LWDS-04-BH04	50	**ND (6)**	1.2	55.9	0.27	ND (0.5)	6.4
4493	LWDS-04-BH04	56	**ND (6)**	1	61.3	0.23	ND (0.5)	4.7
4493	LWDS-04-BH04	60	**ND (6)**	0.78	30.5	0.21	ND (0.5)	5
4493	LWDS-04-BH04	65	**ND (6)**	0.87	98.1	0.37	ND (0.5)	4.3
Background Concentration (surface/subsurface)[c]			3.9/3.9	5.6/4.4	130/214	0.65/0.65	<1.0/0.9	17.3/15.9

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium
4492	LWDS-04-BH04	70	**ND (6)**	1.6	47.1	0.33	ND (0.5)	7.3
4492	LWDS-04-BH04	70(D)	**ND (6)**	1.8	70.1	0.35	ND (0.5)	7.9
4492	LWDS-04-BH04	74	**ND (6)**	1.8	75.3	0.34	ND (0.5)	7.2
4492	LWDS-04-BH04	80	**ND (6)**	1.7	60.3	0.37	ND (0.5)	7.5
4522	LWDS-04-BH04	84	**ND (6)**	1.8	54.8	0.36	ND (0.5)	7.7
4522	LWDS-04-BH04	90	**9.3**	1.8	91.3	0.38	ND (0.5)	**20.8**
4522	LWDS-04-BH04	95	**6.5**	0.92	28.8	0.25	ND (0.5)	7.9
4491	LWDS-04-BH04	100	**7.5**	1.4	34.4	0.29	ND (0.5)	7.6
4546	LWDS-04-BH05	5	**ND (6)**	2.5	92.1	0.4	ND (0.5)	6.2
4546	LWDS-04-BH05	10	**ND (6)**	1.9	53.6	0.46	ND (0.5)	5.9
4546	LWDS-04-BH05	15	**ND (6)**	1.1	42.4	0.28	ND (0.5)	5
4546	LWDS-04-BH05	20	**ND (6)**	2.3	261	0.38	ND (0.5)	7.9
4523	LWDS-04-BH05	24	**ND (6)**	1.4	51	0.31	ND (0.5)	9.7
4523	LWDS-04-BH05	29	**ND (6)**	1.6	66.4	0.37	ND (0.5)	6.4
4523	LWDS-04-BH05	35	**ND (6)**	2	90.2	0.39	ND (0.5)	6.8
4523	LWDS-04-BH05	35(D)	**ND (6)**	2	73.6	0.3	ND (0.5)	5.7
4525	LWDS-04-BH05	40	**6.4**	0.85	50.4	0.22	ND (0.5)	6.9
4525	LWDS-04-BH05	45	**ND (6)**	0.6	23.9	0.23	ND (0.5)	4
4525	LWDS-04-BH05	50	**ND (6)**	0.72	158	ND (0.2)	ND (0.5)	5.6
4525	LWDS-04-BH05	55	**ND (6)**	0.5	35.1	ND (0.2)	ND (0.5)	3.4
4526	LWDS-04-BH05	59	**6.8**	0.67	32.6	0.22	ND (0.5)	5.6
4526	LWDS-04-BH05	65	**ND (6)**	1.8	82.4	0.39	ND (0.5)	6.8
4526	LWDS-04-BH05	69	**7**	1.8	85.4	0.36	ND (0.5)	6.6
4526	LWDS-04-BH05	75	**ND (6)**	2	53.2	0.38	ND (0.5)	7.4
4527	LWDS-04-BH05	80	**ND (6)**	1	30.1	0.25	ND (0.5)	7
4527	LWDS-04-BH05	80(D)	**ND (6)**	1.2	20.4	ND (0.2)	ND (0.5)	6.4
4527	LWDS-04-BH05	86	**ND (6)**	1.2	40.2	0.22	ND (0.5)	4.9
4528	LWDS-04-BH05	90	**ND (6)**	1.4	124	0.34	ND (0.5)	9.7
4528	LWDS-04-BH05	94	**ND (6)**	0.75	37.4	0.21	ND (0.5)	6.1
4528	LWDS-04-BH05	100	**ND (6)**	1.5	58.9	0.42	ND (0.5)	7.3
508688	LWDS-04-BH09	5	**ND (6)**	5	61.8	0.58	**22.8**	9.1
508688	LWDS-04-BH09	10	**ND (6)**	3.2	84.8	0.49	**2.3**	7
508688	LWDS-04-BH09	16	**ND (6)**	3.1	62.9	0.34	ND (0.5)	9.7
508688	LWDS-04-BH09	20	**ND (6)**	2.8	66.3	0.48	**1.1**	**21.2**
508688	LWDS-04-BH09	25	**ND (6)**	3.1	86.8	0.46	ND (0.5)	10.6
Background Concentration (surface/subsurface)[c]			3.9/3.9	5.6/4.4	130/214	0.65/0.65	<1.0/0.9	17.3/15.9

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium
508688	LWDS-04-BH09	30	**ND (6)**	4.1	93.1	0.38	0.7	**16.6**
508688	LWDS-04-BH09	35	**ND (6)**	2.7	42.8	0.22	ND (0.5)	8.2
508688	LWDS-04-BH09	40	**ND (6)**	2.2	55.9	0.21	0.65	8.2
508688	LWDS-04-BH09	40(D)	**ND (6)**	2.2	43.6	ND (0.2)	ND (0.5)	5.6
508688	LWDS-04-BH09	45	**ND (6)**	2	85.3	ND (0.2)	ND (0.5)	7.1
508688	LWDS-04-BH09	50	**ND (6)**	2.3	43.1	0.32	ND (0.5)	4.5
508427	LWDS-04-BH10	5	**ND (6)**	1.7	83.2	ND (0.2)	0.66	10.7
508427	LWDS-04-BH10	10	**ND (6)**	3.9	208	0.34	0.6	9.1
508427	LWDS-04-BH10	15	**ND (6)**	2.2	63.7	0.27	0.65	7.7
508427	LWDS-04-BH10	15(D)	**ND (6)**	2	47.3	ND (0.2)	ND (0.5)	6.4
508427	LWDS-04-BH10	20	2.3 J (6)	2.7	89.8	ND (0.2)	0.8	12
508427	LWDS-04-BH10	25	**ND (6)**	2.3	51.4	0.21	ND (0.5)	7.1
508427	LWDS-04-BH10	30	**ND (6)**	2.4	56.2	0.26	0.69	8.2
02033	LWDS-04-BH17-0	0	**ND (6)**	3.1	56.5	0.37	**35.5**	8.2
02033	LWDS-04-BH17-05	5	**ND (6)**	2.3	52.6	0.21	ND (0.5)	5.3
02031	LWDS-04-BH17-10	10	**ND (6)**	2.1	96.5	0.17 J (0.2)	ND (0.5)	8.5
02031	LWDS-04-BH17-15	15	**ND (6)**	2.3	20.4	0.24	ND (0.5)	5.9
02031	LWDS-04-BH17-20	20	**ND (6)**	2.4	66.1	0.44	ND (0.5)	8.1
02031	LWDS-04-BH17-25	25	**ND (6)**	3.5	**849**	0.51	ND (0.5)	9.9
02031	LWDS-04-BH17-42	42	**ND (6)**	2.6	56.8	0.34	ND (0.5)	6.1
02031	LWDS-04-BH17-49	49	**ND (6)**	1.5	79.7	0.27	ND (0.5)	5.2
02031	LWDS-04-BH17-54	54	**ND (6)**	2.9	65.5	0.37	ND (0.5)	6.8
02031	LWDS-04-BH17-59	59	**ND (6)**	3.3	46	0.51	ND (0.5)	8.1
02031	LWDS-04-BH17-59	59(D)	**ND (6)**	2.9	35.7	0.29	ND (0.5)	7.5
02034	LWDS-04-BH18-0	0	**ND (6)**	5.5	124	0.65	0.9	11.4
02034	LWDS-04-BH18-05	5	**ND (6)**	2.7	87.4	0.24	ND (0.5)	5.1
02034	LWDS-04-BH18-10	10	**ND (6)**	2.6	61.1	0.43	ND (0.5)	7.6
02034	LWDS-04-BH18-15	15	**ND (6)**	2.8	81.2	0.42	ND (0.5)	7.7
02034	LWDS-04-BH18-15	15(D)	**ND (6)**	3.2	87.7	0.43	ND (0.5)	9.4
02034	LWDS-04-BH18-20	20	**ND (6)**	2.4	33.3	0.24	ND (0.5)	6.7
02034	LWDS-04-BH18-25	25	**ND (6)**	1.8	42.9	0.21	ND (0.5)	4.7
02034	LWDS-04-BH18-30	30	**ND (6)**	1.8	19.7	0.23	ND (0.5)	6.8
4480	LWDS-MW2	100.5	**ND (6)**	2	55.2	0.41	ND (0.5)	7.2
4480	LWDS-MW2	110.6	**ND (6)**	2.5	44.6	0.4	ND (0.5)	8.7
4741	LWDS-MW2	118	**ND (6)**	1.1	21.2	ND (0.2)	ND (0.5)	5.6
4724	LWDS-MW2	125	**ND (6)**	2.5	68.4	**0.74**	ND (0.5)	8.5
Background Concentration (surface/subsurface)[c]			3.9/3.9	5.6/4.4	130/214	0.65/0.65	<1.0/0.9	17.3/15.9

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium
4599	LWDS-MW2	130	**ND (6)**	1	91.5	ND (0.2)	ND (0.5)	**22.1**
4599	LWDS-MW2	140	**ND (6)**	1.3	51.5	0.33	ND (0.5)	5.6
4724	LWDS-MW2	164	**ND (6)**	2.2	73.6	**0.71**	ND (0.5)	8.9
4724	LWDS-MW2	175	**ND (6)**	1.7	48.6	0.42	ND (0.5)	10.8
4725	LWDS-MW2	187	**ND (6)**	2.7	96.4	0.65	ND (0.5)	10.1
4727	LWDS-MW2	225	**ND (6)**	3.8	177	**0.66**	0.54	**22.7**
4739	LWDS-MW2	250	**ND (6)**	1.7	83.7	0.4	ND (0.5)	14.9
4738	LWDS-MW2	275	**ND (6)**	2.3	62.5	0.57	ND (0.5)	9.5
4738	LWDS-MW2	300	**ND (6)**	1.8	68.2	0.58	ND (0.5)	**20.2**
4738	LWDS-MW2	300(D)	**ND (6)**	1.9	70.9	0.54	ND (0.5)	**20.5**
4736	LWDS-MW2	325	**ND (6)**	1.5	100	0.43	ND (0.5)	**31.4**
4600	LWDS-MW2	350	**ND (6)**	2	161	0.33	ND (0.5)	10.1
4601	LWDS-MW2	378	**ND (6)**	2.2	81.1	0.3	ND (0.5)	16
4614	LWDS-MW2	400	**ND (6)**	2.5	131	0.51	ND (0.5)	10.9
4603	LWDS-MW2	430	**ND (6)**	3.2	93.7	**0.69**	ND (0.5)	9.1
4604	LWDS-MW2	434	**ND (6)**	3.7	71.9	0.62	ND (0.5)	14.5
4604	LWDS-MW2	449	**ND (6)**	2.5	79	**0.82**	ND (0.5)	9.2
4605	LWDS-MW2	475	**ND (6)**	3.2	132	**0.82**	ND (0.5)	7.6
4605	LWDS-MW2	490	**ND (6)**	2	192	0.57	ND (0.5)	7.4
4606	LWDS-MW2	530	**ND (6)**	1.9	49.2	**0.9**	ND (0.5)	5.9
04123	LWDS-SS-1	0	**ND (6)**	2.4	68	0.42	ND (0.5)	6.6
04032	LWDS-SS-2	0	**ND (6)**	2.3	73.3	0.28	ND (0.5)	4.9
04122	LWDS-SS-3	0	**ND (6)**	2	61.9	0.37	ND (0.5)	5.4
04032	LWDS-SS-4	0	**ND (6)**	2.3	84.2	0.57	ND (0.5)	7.8
04031	LWDS-SS-5	0	**ND (6)**	1.8	62.8	0.37	ND (0.5)	4.9
04123	LWDS-SS-6	0	**ND (6)**	3.3	89.4	0.42	ND (0.5)	7.1
04031	LWDS-SS-7	0	**ND (6)**	3	82.5	0.39	ND (0.5)	6.1
04122	LWDS-SS-8	0	**ND (6)**	2.5	83.7	0.5	ND (0.5)	7.5
04035	LWDS-SS-9	0	**ND (6)**	1.5	54	0.3	ND (0.5)	4.4
04052	LWDS-SS-10	0	**ND (6)**	4.8	74.8	0.35	ND (0.5)	5.9
04050	LWDS-SS-11	0	**ND (6)**	3	98.3	0.51	ND (0.5)	14.5
04042	LWDS-SS-12	0	**ND (6)**	4.2	75.6	0.59	ND (0.5)	11.2
04045	LWDS-SS-13	0	**ND (6)**	2.1	68.4	0.49	0.64	6.3
4053	LWDS-SS-14	0	**ND (6)**	3.7	64.5	0.52	0.57	5.8
4163	LWDS-SS-15	0	**ND (6)**	3	71.2	0.49	0.68	7.9
04033	LWDS-SS-16	0	**ND (6)**	1.4	52.7	0.32	ND (0.5)	5.5
Background Concentration (surface/subsurface)[c]			3.9/3.9	5.6/4.4	130/214	0.65/0.65	<1.0/0.9	17.3/15.9

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium
04036	LWDS-SS-17	0	**ND (6)**	2.5	118	0.5	ND (0.5)	6.9
04052	LWDS-SS-18	0	**ND (6)**	3	70	0.36	ND (0.5)	5.3
04049	LWDS-SS-19	0	**ND (6)**	2.8	69.7	0.49	0.55	**97.7**
04042	LWDS-SS-20	0	**ND (6)**	2	54.5	0.39	ND (0.5)	5.4
04044	LWDS-SS-21	0	**ND (6)**	2.1	80.6	0.63	0.84	10.2
4047	LWDS-SS-22	0	**ND (6)**	3.1	58.6	0.48	0.79	**52.1**
4053	LWDS-SS-23	0	**ND (6)**	3.7	114	0.64	**32.7**	13.3
4054	LWDS-SS-23	0(D)	**ND (6)**	3.8	83.9	0.45	**25.7**	9.1
04033	LWDS-SS-24	0	**ND (6)**	1.3	42.7	0.27	ND (0.5)	4.8
04034	LWDS-SS-25	0	**ND (6)**	1.6	47.3	0.32	ND (0.5)	4.9
04051	LWDS-SS-26	0	**ND (6)**	2.2	68.2	0.48	ND (0.5)	7.8
04049	LWDS-SS-27	0	**ND (12)**	5	**189**	0.6	**5.3**	**24.2**
04041	LWDS-SS-28	0	**ND (6)**	3.5	71.6	0.32	ND (0.5)	5.5
04044	LWDS-SS-29	0	**ND (6)**	2.1	87.2	**0.7**	ND (0.5)	10.3
4047	LWDS-SS-30	0	**ND (6)**	3.1	60.2	0.45	**1.6**	8.1
4054	LWDS-SS-31	0	**ND (6)**	3	62.8	**0.68**	**1**	8.1
4039	LWDS-SS-31	0(D)	**ND (6)**	2.5	68.3	**0.67**	ND (0.5)	8.6
04037	LWDS-SS-32	0	**ND (6)**	1.2	43.3	0.28	ND (0.5)	4.6
04036	LWDS-SS-33	0	**ND (6)**	1.8	49.2	0.31	ND (0.5)	4.1
04051	LWDS-SS-34	0	**ND (6)**	2.6	91	0.6	0.64	10.4
04048	LWDS-SS-35	0	**ND (6)**	2.2	59	0.55	ND (0.5)	**30.6**
04040	LWDS-SS-36	0	**ND (6)**	3.1	70.2	0.39	**1.1**	6.4
04041	LWDS-SS-36	0(D)	**ND (6)**	3.3	67.7	0.29	0.88	7.3
04045	LWDS-SS-36[d]	0	**ND (6)**	3.5	90.2	**0.66**	0.86	9.3
04043	LWDS-SS-37	0	**ND (6)**	2.8	81.5	0.57	ND (0.5)	8.7
4046	LWDS-SS-38	0	**ND (6)**	3.4	99.7	0.51	**2.2**	9.3
4039	LWDS-SS-39	0	**ND (6)**	**6.4**	**195**	**1.1**	**5.1**	15.3
4162	LWDS-SS-39	0(D)	**ND (6)**	**6.1**	**187**	**1.1**	**5.2**	15.7
04037	LWDS-SS-40	0	**ND (6)**	1	33.7	0.24	ND (0.5)	3.7
04034	LWDS-SS-41	0(D)	**ND (6)**	1.3	47.2	0.28	ND (0.5)	4.9
04035	LWDS-SS-41	0	**ND (6)**	1.2	40	0.21	ND (0.5)	3.1
04050	LWDS-SS-42	0	**ND (6)**	2	63.8	0.55	0.85	11.5
04048	LWDS-SS-43	0	**ND (6)**	3.3	73.9	0.54	ND (0.5)	9
04040	LWDS-SS-44	0	**ND (6)**	3.5	95.7	0.45	ND (0.5)	6.2
04043	LWDS-SS-45	0	**ND (6)**	2.5	71.3	0.51	0.59	8.3
Background Concentration (surface/subsurface)[c]			3.9/3.9	5.6/4.4	130/214	0.65/0.65	<1.0/0.9	17.3/15.9

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium
4046	LWDS-SS-46	0	**ND (6)**	3.2	112	**0.84**	0.59	8.4
4163	LWDS-SS-47	0	**ND (6)**	2.1	51.7	0.44	ND (0.5)	5
04038	LWDS-SS-48	0	**6**	1.1	**232**	**4.9**	**4.5**	**21.8**
4164	LWDS-SS-HS	0	**ND (6)**	2.6	54.5	0.33	**35.9**	9.7
4162	LWDS-SS-HS	1	**ND (6)**	**7.6**	64.1	0.21	**154**	**19.7**
Background Concentration (surface/subsurface)[c]			3.9/3.9	5.6/4.4	130/214	0.65/0.65	<1.0/0.9	17.3/15.9
Quality Assurance/Quality Control Samples (mg/L)								
04426	LWDS-04-BH01 (EB)	NA	ND (0.06)	ND (0.005)	0.079	ND (0.002)	ND (0.005)	0.023
04427	LWDS-04-BH01 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
04419	LWDS-04-BH02 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
04422	LWDS-04-BH02 (EB)	NA	ND (0.06)	ND (0.005)	0.024	ND (0.002)	ND (0.005)	ND (0.01)
4413	LWDS-04-BH03 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
4418	LWDS-04-BH03 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
4411	LWDS-04-BH04 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
4547	LWDS-04-BH04 (EB)	NA	ND (0.06)	ND (0.08)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
4545	LWDS-04-BH05 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
508688	LWDS-04-BH09 (EB)	NA	ND (0.06)	0.001 J (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
508427	LWDS-04-BH10 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	0.0047 J (0.01)
4481	LWDS-MW2 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
4602	LWDS-MW2 (EB)	NA	ND (0.06)	ND (0.005)	ND (0.01)	ND (0.002)	ND (0.005)	ND (0.01)
4744	LWDS-MW2 (EB)	NA	ND (0.06)	ND (0.01)	0.97	0.0022	ND (0.005)	0.23

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Nickel
04401	LWDS-04-BH01	5	NR	3.9	8.5	6.2	**ND (0.1)**	7.1
04401	LWDS-04-BH01	10	NR	4.1	8.1	5.5	**ND (0.1)**	7.4
04401	LWDS-04-BH01	15	NR	**6.8**	**27.5**	3	**ND (0.1)**	7.6
04401	LWDS-04-BH01	20	NR	3.9	8.5	6.1	**ND (0.1)**	7.4
04430	LWDS-04-BH01	25	NR	3.7	6.1	4.6	**ND (0.1)**	5.4
04430	LWDS-04-BH01	30	NR	3.9	5.8	6.7	**ND (0.1)**	6.9
04430	LWDS-04-BH01	35	NR	3.1	11.6	4.4	**ND (0.1)**	5.7
04430	LWDS-04-BH01	35(D)	NR	3.3	5.2	4.3	**ND (0.1)**	5.6
04429	LWDS-04-BH01	40	NR	2.1	3	3.2	**ND (0.1)**	4.3
04429	LWDS-04-BH01	45	NR	2.3	5	3	**ND (0.1)**	4.3
04429	LWDS-04-BH01	50	NR	3	5.6	3.6	**ND (0.1)**	4.6
04429	LWDS-04-BH01	55	NR	3.5	7.3	4	**ND (0.1)**	6.6
04428	LWDS-04-BH01	60	NR	3.5	3.8	4.8	**ND (0.1)**	ND (4)
04425	LWDS-04-BH01	75	NR	5.1	8.7	5.2	**ND (0.1)**	8.9
04425	LWDS-04-BH01	80	NR	5	7.9	6.6	**ND (0.1)**	8.4
04425	LWDS-04-BH01	85	NR	3.7	4.4	3.5	**ND (0.1)**	5.7
04425	LWDS-04-BH01	85(D)	NR	4.3	4.3	3	**ND (0.1)**	5.6
04424	LWDS-04-BH01	90	NR	5.1	8.1	5.2	**ND (0.1)**	6.1
04424	LWDS-04-BH01	95	NR	3.5	10.8	3.2	**ND (0.1)**	10.6
04424	LWDS-04-BH01	95(D)	NR	3.4	5.6	2.5	**ND (0.1)**	5.2
04402	LWDS-04-BH02	5	NR	4.0	6.6	4.3	**ND (0.1)**	6.8
04402	LWDS-04-BH02	10	NR	4.5	6.9	4.3	**ND (0.1)**	7.3
04402	LWDS-04-BH02	15	NR	3.7	6.5	3.5	**ND (0.1)**	5.7
04402	LWDS-04-BH02	20	NR	4.1	6.5	5.3	**ND (0.1)**	ND (8)
04423	LWDS-04-BH02	25	NR	5.1	8.8	4.9	**ND (0.1)**	7.1
04423	LWDS-04-BH02	30	NR	5.0	7.3	6.8	**ND (0.1)**	8.2
04423	LWDS-04-BH02	35	NR	3.3	4.7	3.6	**ND (0.1)**	5.4
04423	LWDS-04-BH02	40	NR	4.6	6.9	4.5	**ND (0.1)**	7.5
04421	LWDS-04-BH02	45	NR	4.2	9.4	3.1	**ND (0.1)**	7.1
04421	LWDS-04-BH02	50	NR	4.6	8.4	2.8	**ND (0.1)**	6.1
04421	LWDS-04-BH02	50(D)	NR	4.4	8.2	4.3	**ND (0.1)**	5.2
04421	LWDS-04-BH02	70	NR	4.9	9	5.7	**ND (0.1)**	7.9
04420	LWDS-04-BH02	75	NR	5.1	8.5	6.1	**ND (0.1)**	8.1
04420	LWDS-04-BH02	75(D)	NR	NR	NR	NR	**ND (0.1)**	NR
04420	LWDS-04-BH02	80	NR	5.2	8.2	5.9	**ND (0.1)**	8.2
04403	LWDS-04-BH02	85	NR	3.9	6.9	3.5	**ND (0.1)**	6.5
04403	LWDS-04-BH02	90	NR	3.2	5.8	3.2	**ND (0.1)**	5.2
Background Concentration (surface/subsurface)[c]			1.0/1.0	5.2/5.2	15.4/18.2	21.4/11.8	<0.25/<0.1	11.5/11.5

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Nickel
04403	LWDS-04-BH02	95	NR	4.9	11.8	4.2	**ND (0.1)**	7.7
04403	LWDS-04-BH02	95(D)	NR	3.7	6.6	4.3	**ND (0.1)**	6
04404	LWDS-04-BH02	100	NR	4.8	7.3	5.7	**ND (0.1)**	6.4
4417	LWDS-04-BH03	5	NR	3.3	4	3.7	**ND (0.1)**	5.8
4417	LWDS-04-BH03	10	NR	3.9	8.2	3	**ND (0.1)**	7.4
4417	LWDS-04-BH03	15	NR	3.5	6.3	4.8	**ND (0.1)**	6.8
4416	LWDS-04-BH03	20(D)	NR	2.7	6.7	3.8	**ND (0.1)**	4.5
4417	LWDS-04-BH03	20	NR	3.9	7.9	3.5	**ND (0.1)**	6.3
4416	LWDS-04-BH03	25	NR	4.8	7.9	3.6	**ND (0.1)**	6.5
4416	LWDS-04-BH03	30	NR	5	9.1	5.1	**ND (0.1)**	7.9
4416	LWDS-04-BH03	35	NR	4.1	7.6	4.3	**ND (0.1)**	6.1
4415	LWDS-04-BH03	41	NR	3.9	6.2	5.1	**ND (0.1)**	6.8
4415	LWDS-04-BH03	45	NR	3.6	6	2.6	**ND (0.1)**	4.8
4415	LWDS-04-BH03	50	NR	2.4	6.7	2	**ND (0.1)**	ND (8)
4415	LWDS-04-BH03	54	NR	3	5.8	4	**ND (0.1)**	4.8
4414	LWDS-04-BH03	60	NR	3.8	7.2	4.4	**ND (0.1)**	7.3
4414	LWDS-04-BH03	65	NR	4.3	8.8	2.7	**ND (0.1)**	**17.2**
4414	LWDS-04-BH03	70	NR	4.7	7.6	4.6	**ND (0.1)**	7.5
4412	LWDS-04-BH03	80	NR	4.9	8	4.6	**ND (0.1)**	9.5
4412	LWDS-04-BH03	85	NR	4.8	7.8	4.1	**ND (0.1)**	**11.7**
4407	LWDS-04-BH04	5	NR	3.6	5.2	3.5	**ND (0.1)**	6.9
4407	LWDS-04-BH04	10	NR	3.7	5.1	3.4	**ND (0.1)**	5.9
4407	LWDS-04-BH04	15	NR	**5.3**	8.1	5.6	**ND (0.1)**	9.5
4407	LWDS-04-BH04	20	NR	4.5	7.3	4.7	**ND (0.1)**	9.1
4406	LWDS-04-BH04	25	NR	4.3	6.1	3.1	**ND (0.1)**	7.5
4406	LWDS-04-BH04	30	NR	4.8	7.7	2.6	**ND (0.1)**	8
4406	LWDS-04-BH04	35	NR	3.8	6.1	2.3	**ND (0.1)**	6.5
4406	LWDS-04-BH04	35(D)	NR	3	6.9	2.3	**ND (0.1)**	7.1
4494	LWDS-04-BH04	40	NR	3.8	7.8	2.5	**ND (0.1)**	8.1
4494	LWDS-04-BH04	45	NR	2.9	7.6	2.3	**ND (0.1)**	6.3
4493	LWDS-04-BH04	50	NR	2.9	6.4	4.5	**ND (0.1)**	5.8
4493	LWDS-04-BH04	56	NR	1.6	3.3	2	**ND (0.1)**	4.6
4493	LWDS-04-BH04	60	NR	2.3	4.5	1.9	**ND (0.1)**	4.7
4493	LWDS-04-BH04	65	NR	1.1	4.5	1.3	**ND (0.1)**	4.2
Background Concentration (surface/subsurface)[c]			1.0/1.0	5.2/5.2	15.4/18.2	21.4/11.8	<0.25/<0.1	11.5/11.5

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Nickel
4492	LWDS-04-BH04	70	NR	2.6	4.3	3	**ND (0.1)**	6.6
4492	LWDS-04-BH04	70(D)	NR	2.6	4.9	3.3	**ND (0.1)**	6.6
4492	LWDS-04-BH04	74	NR	3	6.2	2.9	**ND (0.1)**	6.8
4492	LWDS-04-BH04	80	NR	3.3	7	3.2	**ND (0.1)**	7.6
4522	LWDS-04-BH04	84	NR	3.2	6.6	3.3	**ND (0.1)**	7.3
4522	LWDS-04-BH04	90	NR	3.6	5.8	3.9	**ND (0.1)**	7.9
4522	LWDS-04-BH04	95	NR	3	5.9	1.9	**ND (0.1)**	6
4491	LWDS-04-BH04	100	NR	3.5	6.4	2.7	**ND (0.1)**	6.3
4546	LWDS-04-BH05	5	NR	3.6	5.4	3.7	**ND (0.1)**	7.2
4546	LWDS-04-BH05	10	NR	3.4	5.7	3.8	**ND (0.1)**	6.6
4546	LWDS-04-BH05	15	NR	3.6	7	2.5	**ND (0.1)**	4.8
4546	LWDS-04-BH05	20	NR	4.5	7	4.9	**ND (0.1)**	8.2
4523	LWDS-04-BH05	24	NR	3.5	6.2	3.5	**ND (0.1)**	6.2
4523	LWDS-04-BH05	29	NR	3.1	4.6	3.3	**ND (0.1)**	4.6
4523	LWDS-04-BH05	35	NR	4	6.1	3.9	**ND (0.1)**	6.1
4523	LWDS-04-BH05	35(D)	NR	3.6	4.8	3.9	**ND (0.1)**	5.6
4525	LWDS-04-BH05	40	NR	2.3	6.2	2.3	**ND (0.1)**	5.3
4525	LWDS-04-BH05	45	NR	1.8	6.3	2.1	**ND (0.1)**	5.1
4525	LWDS-04-BH05	50	NR	2.4	5.6	2.4	**ND (0.1)**	5.3
4525	LWDS-04-BH05	55	NR	2	6.4	1.8	**ND (0.1)**	5.1
4526	LWDS-04-BH05	59	NR	2.8	5.8	2.8	**ND (0.1)**	6.2
4526	LWDS-04-BH05	65	NR	3.3	6.6	4.5	**ND (0.1)**	8.1
4526	LWDS-04-BH05	69	NR	3.3	5.9	4.4	**ND (0.1)**	6.9
4526	LWDS-04-BH05	75	NR	3.4	6.3	5.3	**ND (0.1)**	7.9
4527	LWDS-04-BH05	80	NR	4	6.5	3	**ND (0.1)**	6.5
4527	LWDS-04-BH05	80(D)	NR	3.3	5	3.1	**ND (0.1)**	4.8
4527	LWDS-04-BH05	86	NR	2.9	3.4	3.5	**ND (0.1)**	4.4
4528	LWDS-04-BH05	90	NR	3.3	4.6	2.9	**ND (0.1)**	6.3
4528	LWDS-04-BH05	94	NR	3.9	7.1	2.2	**ND (0.1)**	5.4
4528	LWDS-04-BH05	100	NR	4.3	9.1	5.6	**ND (0.1)**	6.9
508688	LWDS-04-BH09	5	NR	3.1	**62.1**	**16.9**	**ND (0.1)**	6.6
508688	LWDS-04-BH09	10	NR	4.3	13.7	5.7	**ND (0.1)**	7.4
508688	LWDS-04-BH09	16	NR	5.2	9.5	6.2	**ND (0.1)**	7.5
508688	LWDS-04-BH09	20	NR	3.4	10.7	8.9	**ND (0.1)**	7.5
508688	LWDS-04-BH09	25	NR	4	8.1	6.2	**ND (0.1)**	7.5
Background Concentration (surface/subsurface)[c]			1.0/1.0	5.2/5.2	15.4/18.2	21.4/11.8	<0.25/<0.1	11.5/11.5

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Nickel
508688	LWDS-04-BH09	30	NR	4.4	10.2	7.8	**ND (0.1)**	8.4
508688	LWDS-04-BH09	35	NR	3.8	9.9	5.8	**ND (0.1)**	7
508688	LWDS-04-BH09	40	NR	4.2	9	3.8	**ND (0.1)**	6.6
508688	LWDS-04-BH09	40(D)	NR	4.3	6.3	4.5	**ND (0.1)**	5
508688	LWDS-04-BH09	45	NR	3.9	9.1	3.9	**ND (0.1)**	6.1
508688	LWDS-04-BH09	50	NR	2.9	7.2	3.6	**ND (0.1)**	5.8
508427	LWDS-04-BH10	5	NR	4.4	12.7	5.8	**ND (0.1)**	7
508427	LWDS-04-BH10	10	NR	4.9	9.1	6.5	**ND (0.1)**	8.3
508427	LWDS-04-BH10	15	NR	**6.9**	9.3	4.8	**ND (0.1)**	6.5
508427	LWDS-04-BH10	15(D)	NR	4.4	9	4	**ND (0.1)**	6.4
508427	LWDS-04-BH10	20	NR	4.7	9.7	6	**ND (0.1)**	7
508427	LWDS-04-BH10	25	NR	2.8	5.1	4.5	**ND (0.1)**	7.3
508427	LWDS-04-BH10	30	NR	3.4	6.6	4.9	**ND (0.1)**	7.6
02033	LWDS-04-BH17-0	0	NR	2.9	**79.5**	6.3	0.24	5.8
02033	LWDS-04-BH17-05	5	NR	3.6	9.6	3.6 J (5)	**0.084 J (0.1)**	5.2
02031	LWDS-04-BH17-10	10	NR	4.2	**20.8**	ND (5)	**0.069 J (0.1)**	7.4
02031	LWDS-04-BH17-15	15	NR	3.8	**15.6**	ND (5)	**ND (0.1)**	6.1
02031	LWDS-04-BH17-20	20	NR	4	9	ND (5)	**ND (0.1)**	6.9
02031	LWDS-04-BH17-25	25	NR	**5.5**	**18.2**	4.8 J (5)	**ND (0.1)**	10.1
02031	LWDS-04-BH17-42	42	NR	4.7	9.4	3.2 J (5)	**ND (0.1)**	7.7
02031	LWDS-04-BH17-49	49	NR	3.4	13.6	3.3 J (5)	**ND (0.1)**	5.1
02031	LWDS-04-BH17-54	54	NR	4.5	12.9	4.5 J (5)	**ND (0.1)**	7.8
02031	LWDS-04-BH17-59	59	NR	4.6	8.6	6	**ND (0.1)**	8
02031	LWDS-04-BH17-59	59(D)	NR	4.4	8	3.5 J (5)	**ND (0.1)**	7.4
02034	LWDS-04-BH18-0	0	NR	4.4	**116**	**29**	ND (0.1)	8.8
02034	LWDS-04-BH18-05	5	NR	2.8	6.2	5.4	**ND (0.1)**	4.8
02034	LWDS-04-BH18-10	10	NR	4.3	7.8	5.2	**ND (0.1)**	8.1
02034	LWDS-04-BH18-15	15	NR	4.2	6.3	6.5	**ND (0.1)**	8
02034	LWDS-04-BH18-15	15(D)	NR	**5.3**	8.2	8.2	**ND (0.1)**	9.9
02034	LWDS-04-BH18-20	20	NR	2.6	3.7	ND (5)	**ND (0.1)**	5.1
02034	LWDS-04-BH18-25	25	NR	2.5	3.8	4.7 J (5)	**ND (0.1)**	4.3
02034	LWDS-04-BH18-30	30	NR	**6**	8.7	3.8 J (5)	**ND (0.1)**	7
4480	LWDS-MW2	100.5	NR	4.1	7.4	5	**ND (0.1)**	6.9
4480	LWDS-MW2	110.6	NR	3.9	6.9	5.5	**ND (0.1)**	7
4741	LWDS-MW2	118	NR	2.3	6.8	2.4	**ND (0.1)**	6
Background Concentration (surface/subsurface)[c]			1.0/1.0	5.2/5.2	15.4/18.2	21.4/11.8	<0.25/<0.1	11.5/11.5

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Nickel
4724	LWDS-MW2	125	NR	**5.4**	9.1	8.4	**ND (0.1)**	10.2
4599	LWDS-MW2	130	NR	2.8	6.7	2.5	**ND (0.1)**	6.6
4599	LWDS-MW2	140	NR	3.3	5.4	3.2	**ND (0.1)**	6.1
4724	LWDS-MW2	164	NR	5.1	8.8	8.1	**ND (0.1)**	11.3
4724	LWDS-MW2	175	NR	3.7	7.6	5.3	**ND (0.1)**	8.4
4725	LWDS-MW2	187	NR	4.4	8.5	5.9	**ND (0.1)**	10.2
4727	LWDS-MW2	225	NR	**6.4**	14.9	8.7	**ND (0.1)**	**16.1**
4739	LWDS-MW2	250	NR	4.3	7.6	4.6	**ND (0.1)**	8.1
4738	LWDS-MW2	275	NR	**6.3**	12.3	6.8	**ND (0.1)**	11.2
4738	LWDS-MW2	300	NR	5.2	8.9	6.2	**ND (0.1)**	10.2
4738	LWDS-MW2	300(D)	NR	**5.4**	9	6.5	**ND (0.1)**	9.8
4736	LWDS-MW2	325	NR	4.4	10.9	3.4	**ND (0.1)**	7
4600	LWDS-MW2	350	NR	4	6.7	4.2	**ND (0.1)**	6.5
4601	LWDS-MW2	378	NR	4.7	8	5.6	**ND (0.1)**	8.9
4614	LWDS-MW2	400	NR	4.5	9.4	4.5	**ND (0.1)**	8.2
4603	LWDS-MW2	430	NR	**5.5**	8.9	5.7/6.9[e]	**ND (0.1)**	9.9
4604	LWDS-MW2	434	NR	**7**	11.2	6.3	**ND (0.1)**	10.9
4604	LWDS-MW2	449	NR	**6.4**	9.5	5.6	**ND (0.1)**	11
4605	LWDS-MW2	475	NR	**7.1**	11	10.9	**ND (0.1)**	**11.9**
4605	LWDS-MW2	490	NR	5.2	7.2	5.3	**ND (0.1)**	8
4606	LWDS-MW2	530	NR	4	5.5	6.1	**ND (0.1)**	6.2
04123	LWDS-SS-1	0	ND (0.2)	3.1	6.6	9.6	ND (0.1)	6.3
04032	LWDS-SS-2	0	0.57	2.3	5.2	7.8	ND (0.1)	5.5
04122	LWDS-SS-3	0	ND (0.2)	2.6	5.1	6.9	ND (0.1)	4.8
04032	LWDS-SS-4	0	ND (0.5)	3.5	8	11.6	ND (0.1)	7.3
04031	LWDS-SS-5	0	ND (0.1)	2.4	6.5	11.1	ND (0.1)	5.5
04123	LWDS-SS-6	0	ND (0.1)	3.4	5.8	5.2	ND (0.1)	6.7
04031	LWDS-SS-7	0	ND (0.1)	3.1	6.8	8	ND (0.1)	6.2
04122	LWDS-SS-8	0	ND (0.2)	3.6	8	7.8	ND (0.1)	7
04035	LWDS-SS-9	0	ND (0.2)	1.8	5.2	5.8	ND (0.1)	4.3
04052	LWDS-SS-10	0	ND (0.1)	3.6	6.2	6.4	ND (0.1)	5.9
04050	LWDS-SS-11	0	ND (0.1)	4	6.3	6	ND (0.1)	**27.5**
04042	LWDS-SS-12	0	ND (0.1)	5	9.6	7.5	ND (0.1)	**70.2**
04045	LWDS-SS-13	0	ND (0.2)	4.2	11.4	13.5	ND (0.1)	7.3
4053	LWDS-SS-14	0	ND (0.1)	3	6.9	6.1	ND (0.1)	5.9
4163	LWDS-SS-15	0	ND (1)	4	9.9	10.7	ND (0.1)	7.2
04033	LWDS-SS-16	0	ND (0.5)	2.4	5.1	7.1	ND (0.1)	4.4
Background Concentration (surface/subsurface)[c]			1.0/1.0	5.2/5.2	15.4/18.2	21.4/11.8	<0.25/<0.1	11.5/11.5

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Nickel
04036	LWDS-SS-17	0	0.6	3.5	7.5	7.4	ND (0.1)	7.5
04052	LWDS-SS-18	0	ND (0.1)	3.1	9.4	11.4	ND (0.1)	5.4
04049	LWDS-SS-19	0	ND (0.5)	**5.7**	**23.8**	10.3	0.14	**173**
04042	LWDS-SS-20	0	ND (0.2)	3.1	14.8	6.9	ND (0.1)	4.9
04044	LWDS-SS-21	0	ND (0.5)	5.2	10.6	14.3	ND (0.1)	9.4
4047	LWDS-SS-22	0	ND (0.1)	3.9	8.8	7.1	ND (0.1)	**29.5**
4053	LWDS-SS-23	0	ND (0.5)	4.7	**91.3**	13.8	0.24	10.4
4054	LWDS-SS-23	0(D)	ND (0.2)	4	**45.7**	12.9	ND (0.1)	8.1
04033	LWDS-SS-24	0	ND (0.2)	3	5	7	ND (0.1)	4.8
04034	LWDS-SS-25	0	0.49	2.2	4.6	7	ND (0.1)	4.8
04051	LWDS-SS-26	0	ND (1)	3.4	15.4	6.5	ND (0.1)	6
04049	LWDS-SS-27	0	**ND (2.5)**	**6.1**	**231**	**58.1**	ND (0.1)	**30.9**
04041	LWDS-SS-28	0	ND (0.5)	3.2	9	6.6	ND (0.1)	6.1
04044	LWDS-SS-29	0	ND (0.1)	**5.3**	9	7	ND (0.1)	8.6
4047	LWDS-SS-30	0	ND (1)	3.3	14	10.4	ND (0.1)	7.3
4054	LWDS-SS-31	0	ND (0.5)	3.7	9	7.4	ND (0.1)	9.8
4039	LWDS-SS-31	0(D)	ND (0.5)	4	10.6	6.9	0.1	8.3
04037	LWDS-SS-32	0	ND (0.2)	2.2	5	4.9	ND (0.1)	4.4
04036	LWDS-SS-33	0	ND (0.2)	1.7	4.6	7.1	ND (0.1)	4.1
04051	LWDS-SS-34	0	**ND (2.5)**	3.9	**79.2**	16	0.17	7.1
04048	LWDS-SS-35	0	0.11	4.1	11.9	6.9	ND (0.1)	**45.3**
04040	LWDS-SS-36	0	ND (1)	3.3	**59.9**	15.7	**0.26**	6.1
04041	LWDS-SS-36	0(D)	ND (1)	4.8	**64.8**	**25.7**	**0.43**	6
04045	LWDS-SS-36[d]	0	1	**5.4**	**38.8**	**30.9**	ND (0.1)	10.3
04043	LWDS-SS-37	0	ND (0.2)	**5.9**	10.2	11.8	ND (0.1)	8.7
4046	LWDS-SS-38	0	ND (0.2)	5	**18.5**	8.1	ND (0.1)	9.5
4039	LWDS-SS-39	0	**11.2**	**7.8**	**148**	**72.5**	**0.38**	**16.1**
4162	LWDS-SS-39	0(D)	ND (10)	7.7	**166**	**70.8**	**0.3**	**15.4**
04037	LWDS-SS-40	0	ND (0.2)	1.7	4.1	6	ND (0.1)	ND (4)
04034	LWDS-SS-41	0(D)	ND (0.2)	2.9	5.1	5.6	ND (0.1)	4.5
04035	LWDS-SS-41	0	ND (0.2)	1.6	4.1	3	ND (0.1)	ND (4)
04050	LWDS-SS-42	0	ND (0.5)	3.5	8	9	ND (0.1)	**15.4**
04048	LWDS-SS-43	0	ND (0.1)	4.4	7.8	9	ND (0.1)	6.9
04040	LWDS-SS-44	0	ND (0.1)	3.5	8.1	5.9	ND (0.1)	6.7
04043	LWDS-SS-45	0	ND (0.1)	4.6	9.2	10.3	ND (0.1)	7.5
Background Concentration (surface/subsurface)[c]			1.0/1.0	5.2/5.2	15.4/18.2	21.4/11.8	<0.25/<0.1	11.5/11.5

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)					
Record Number[b]	ER Sample ID	Sample Depth (ft)	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Nickel
4046	LWDS-SS-46	0	ND (0.1)	4	10.8	6.5	ND (0.1)	8.4
4163	LWDS-SS-47	0	ND (0.1)	2.9	6.4	6.3	ND (0.1)	5
04038	LWDS-SS-48	0	ND (0.2)	**42.2**	**27.2**	8	ND (0.1)	**45.8**
4164	LWDS-SS-HS	0	ND (0.5)	2.3	**107**	**26.7**	**0.45**	5.2
4162	LWDS-SS-HS	1	0.19	2.6	**239**	**27.8**	**0.61**	4.7
Background Concentration (surface/subsurface)[c]			1.0/1.0	5.2/5.2	15.4/18.2	21.4/11.8	<0.25/<0.1	11.5/11.5
Quality Assurance/Quality Control Samples (mg/L)								
04426	LWDS-04-BH01 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
04427	LWDS-04-BH01 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.01)	ND (0.0002)	ND (0.04)
04419	LWDS-04-BH02 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
04422	LWDS-04-BH02 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
4413	LWDS-04-BH03 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
4418	LWDS-04-BH03 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
4411	LWDS-04-BH04 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
4547	LWDS-04-BH04 (EB)	NA	NR	ND (0.01)	ND (0.02)	0.0062	ND (0.0002)	ND (0.04)
4545	LWDS-04-BH05 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
508688	LWDS-04-BH09 (EB)	NA	NR	ND (0.01)	0.0053 J (0.02)	0.0015 J (0.005)	0.00025	ND (0.04)
508427	LWDS-04-BH10 (EB)	NA	NR	0.0069 J (0.01)	0.0064 J (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
4481	LWDS-MW2 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
4602	LWDS-MW2 (EB)	NA	NR	ND (0.01)	ND (0.02)	ND (0.005)	ND (0.0002)	ND (0.04)
4744	LWDS-MW2 (EB)	NA	NR	0.024	0.037	0.03	ND (0.0002)	0.044

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Selenium	Silver	Thallium	Vanadium	Zinc
04401	LWDS-04-BH01	5	ND (0.5)	**ND (1)**	ND (0.5)	18.9	21.5
04401	LWDS-04-BH01	10	ND (0.5)	**ND (1)**	ND (1)	18.4	24.9
04401	LWDS-04-BH01	15	**ND (1)**	**ND (1)**	ND (0.5)	19.8	27.8
04401	LWDS-04-BH01	20	**ND (1)**	**ND (1)**	ND (1)	15.9	24.2
04430	LWDS-04-BH01	25	**ND (1)**	**ND (1)**	ND (1)	13.7	20.4
04430	LWDS-04-BH01	30	**ND (1)**	**ND (1)**	ND (0.5)	16.7	18.7
04430	LWDS-04-BH01	35	ND (0.5)	**ND (1)**	ND (0.5)	16.7	17.9
04430	LWDS-04-BH01	35(D)	ND (0.5)	**ND (1)**	ND (0.5)	13.8	18.3
04429	LWDS-04-BH01	40	ND (0.5)	**ND (1)**	ND (0.5)	10.6	13.8
04429	LWDS-04-BH01	45	**ND (1)**	**ND (1)**	ND (0.5)	11.2	15.4
04429	LWDS-04-BH01	50	ND (0.5)	**ND (1)**	ND (0.5)	10.7	16.4
04429	LWDS-04-BH01	55	**ND (1)**	**ND (1)**	ND (0.5)	14.4	37.8
04428	LWDS-04-BH01	60	ND (0.5)	**ND (1)**	ND (0.5)	8.7	12.6
04425	LWDS-04-BH01	75	**ND (1)**	**ND (1)**	ND (1)	19.9	55.1
04425	LWDS-04-BH01	80	**ND (1)**	**ND (1)**	ND (1)	18.9	25
04425	LWDS-04-BH01	85	**ND (1)**	**ND (1)**	ND (1)	12.1	14.2
04425	LWDS-04-BH01	85(D)	ND (0.5)	**ND (1)**	ND (1)	11.2	13.8
04424	LWDS-04-BH01	90	**ND (1)**	**ND (1)**	ND (1)	20.5	38.3
04424	LWDS-04-BH01	95	ND (0.5)	**ND (1)**	ND (1)	13.8	19.4
04424	LWDS-04-BH01	95(D)	ND (0.5)	**ND (1)**	ND (1)	12.4	19.2
04402	LWDS-04-BH02	5	**ND (1)**	**ND (1)**	ND (0.5)	18.9	20.4
04402	LWDS-04-BH02	10	ND (0.5)	**ND (1)**	ND (0.5)	16.5	22.5
04402	LWDS-04-BH02	15	ND (0.5)	**ND (1)**	ND (0.5)	13.4	18.4
04402	LWDS-04-BH02	20	ND (0.5)	**ND (2)**	ND (0.5)	15.4	27.5
04423	LWDS-04-BH02	25	ND (0.5)	**ND (1)**	ND (0.5)	21.5	24.7
04423	LWDS-04-BH02	30	ND (0.5)	**ND (1)**	ND (0.5)	20.2	22.4
04423	LWDS-04-BH02	35	ND (0.5)	**ND (1)**	ND (0.5)	13.9	16.7
04423	LWDS-04-BH02	40	ND (0.5)	**ND (1)**	ND (0.5)	18.2	19.8
04421	LWDS-04-BH02	45	**ND (2)**	**ND (1)**	ND (1)	17.3	ND (2)
04421	LWDS-04-BH02	50	**ND (1)**	**ND (1)**	ND (1)	**26.6**	ND (2)
04421	LWDS-04-BH02	50(D)	**ND (1)**	**ND (1)**	ND (1)	**23.9**	ND (2)
04421	LWDS-04-BH02	70	**ND (2)**	**ND (1)**	ND (1)	17.9	ND (2)
04420	LWDS-04-BH02	75	**ND (1)**	**ND (1)**	ND (1)	21.3	ND (2)
04420	LWDS-04-BH02	80	**ND (1)**	**ND (1)**	ND (1)	20.8	ND (2)
04403	LWDS-04-BH02	85	**ND (2)**	**ND (1)**	ND (1)	15.4	ND (2)
04403	LWDS-04-BH02	90	**ND (1)**	**ND (1)**	ND (0.5)	13.3	ND (2)
Background Concentration (surface/subsurface)[c]			<1.0/<1.0	<1.0/<1.0	<1.1/<1.1	20.4/21.5	62/62

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Selenium	Silver	Thallium	Vanadium	Zinc
04403	LWDS-04-BH02	95	**ND (1)**	**ND (1)**	ND (1)	19.5	ND (2)
04403	LWDS-04-BH02	95(D)	**ND (1)**	**ND (1)**	ND (1)	16.6	ND (2)
04404	LWDS-04-BH02	100	**ND (1)**	**ND (1)**	ND (1)	19.6	ND (2)
4417	LWDS-04-BH03	5	**ND (1)**	**ND (1)**	ND (0.5)	16.9	15.9
4417	LWDS-04-BH03	10	**ND (1)**	**ND (1)**	ND (1)	16.9	21.5
4417	LWDS-04-BH03	15	**ND (1)**	**ND (1)**	ND (1)	16.3	21.3
4416	LWDS-04-BH03	20(D)	**ND (2)**	**ND (1)**	ND (1)	14.2	20.6
4417	LWDS-04-BH03	20	**ND (1)**	**ND (1)**	ND (0.5)	17	24.3
4416	LWDS-04-BH03	25	**ND (1)**	**ND (1)**	ND (0.5)	17.9	22.6
4416	LWDS-04-BH03	30	**ND (1)**	**ND (1)**	ND (1)	19.4	25.9
4416	LWDS-04-BH03	35	**ND (1)**	**ND (1)**	ND (0.5)	18.6	22.2
4415	LWDS-04-BH03	41	**ND (1)**	**ND (1)**	ND (1)	16.8	20.5
4415	LWDS-04-BH03	45	**ND (1)**	**ND (1)**	ND (1)	12.3	18
4415	LWDS-04-BH03	50	**ND (2)**	**ND (2)**	ND (1)	8.1	16.6
4415	LWDS-04-BH03	54	**ND (1)**	**ND (1)**	ND (1)	14	20.9
4414	LWDS-04-BH03	60	**ND (1)**	**ND (1)**	ND (0.5)	15.7	22.2
4414	LWDS-04-BH03	65	**ND (2)**	**ND (1)**	ND (0.5)	17.3	21.8
4414	LWDS-04-BH03	70	**ND (1)**	**ND (1)**	ND (0.5)	17.9	24.9
4412	LWDS-04-BH03	80	**ND (1)**	**ND (1)**	ND (0.5)	20.3	27.9
4412	LWDS-04-BH03	85	**ND (1)**	**ND (1)**	ND (0.5)	20.1	25.7
4407	LWDS-04-BH04	5	**ND (1)**	**ND (1)**	ND (0.5)	20.1	19.9
4407	LWDS-04-BH04	10	**ND (1)**	**ND (1)**	ND (0.5)	15.6	19.7
4407	LWDS-04-BH04	15	**ND (1)**	**ND (1)**	ND (0.5)	18.8	29.1
4407	LWDS-04-BH04	20	**ND (2)**	**ND (1)**	ND (0.5)	19.8	28.5
4406	LWDS-04-BH04	25	**ND (1)**	**ND (1)**	ND (0.5)	16.5	21.5
4406	LWDS-04-BH04	30	**ND (1)**	**ND (1)**	ND (0.5)	**22.5**	26
4406	LWDS-04-BH04	35	**ND (1)**	**ND (1)**	ND (0.5)	13.9	21.2
4406	LWDS-04-BH04	35(D)	**ND (1)**	**ND (1)**	ND (0.5)	14.8	22.1
4494	LWDS-04-BH04	40	**ND (1)**	**ND (1)**	ND (1)	18.7	24.2
4494	LWDS-04-BH04	45	**ND (1)**	**ND (1)**	ND (0.5)	19	21.5
4493	LWDS-04-BH04	50	**ND (1)**	**ND (1)**	ND (1)	14.5	19.9
4493	LWDS-04-BH04	56	ND (0.5)	**ND (1)**	ND (0.5)	10	13
4493	LWDS-04-BH04	60	**ND (1)**	**ND (1)**	ND (1)	8.6	17.5
4493	LWDS-04-BH04	65	**ND (1)**	**ND (1)**	ND (1)	12.8	25.2
Background Concentration (surface/subsurface)[c]			<1.0/<1.0	<1.0/<1.0	<1.1/<1.1	20.4/21.5	62/62

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Selenium	Silver	Thallium	Vanadium	Zinc
4492	LWDS-04-BH04	70	**ND (1)**	**ND (1)**	ND (0.5)	15.1	19.6
4492	LWDS-04-BH04	70(D)	**ND (1)**	**ND (1)**	ND (1)	15.6	19.8
4492	LWDS-04-BH04	74	**ND (1)**	**ND (1)**	ND (1)	16	21.8
4492	LWDS-04-BH04	80	**ND (1)**	**ND (1)**	ND (1)	17.7	23.7
4522	LWDS-04-BH04	84	**ND (1)**	**ND (1)**	ND (1)	16.1	23.3
4522	LWDS-04-BH04	90	**ND (1)**	**ND (1)**	ND (1)	17.5	24.1
4522	LWDS-04-BH04	95	**ND (1)**	**ND (1)**	ND (1)	14.1	19.4
4491	LWDS-04-BH04	100	**ND (1)**	**ND (1)**	ND (1)	17.3	21.6
4546	LWDS-04-BH05	5	**ND (1)**	**ND (1)**	ND (1)	15.7	20.2
4546	LWDS-04-BH05	10	**ND (1)**	**ND (1)**	ND (1)	14.5	20.9
4546	LWDS-04-BH05	15	**ND (1)**	**ND (1)**	ND (1)	12.2	18.8
4546	LWDS-04-BH05	20	**ND (1)**	**ND (1)**	ND (1)	21.3	26.2
4523	LWDS-04-BH05	24	**ND (1)**	**ND (1)**	ND (1)	14.8	18.6
4523	LWDS-04-BH05	29	**ND (1)**	**ND (1)**	ND (1)	12.4	14.5
4523	LWDS-04-BH05	35	**ND (1)**	**ND (1)**	ND (1)	19.4	20.8
4523	LWDS-04-BH05	35(D)	**ND (1)**	**ND (1)**	ND (1)	16.7	21.6
4525	LWDS-04-BH05	40	**ND (1)**	**ND (1)**	ND (1)	11.3	17.8
4525	LWDS-04-BH05	45	**ND (1)**	**ND (1)**	ND (1)	10.4	17.8
4525	LWDS-04-BH05	50	**ND (1)**	**ND (1)**	ND (1)	8.7	14.3
4525	LWDS-04-BH05	55	**ND (1)**	**ND (1)**	ND (1)	10.5	21
4526	LWDS-04-BH05	59	**ND (1)**	**ND (1)**	ND (1)	10.1	21.6
4526	LWDS-04-BH05	65	**ND (1)**	**ND (1)**	ND (1)	16.6	25.1
4526	LWDS-04-BH05	69	**ND (1)**	**ND (1)**	ND (1)	15.3	22.4
4526	LWDS-04-BH05	75	**ND (1)**	**ND (1)**	ND (1)	15.5	24.4
4527	LWDS-04-BH05	80	**ND (1)**	**ND (1)**	ND (1)	14.3	20.2
4527	LWDS-04-BH05	80(D)	**ND (1)**	**ND (1)**	ND (1)	12.7	15.9
4527	LWDS-04-BH05	86	**ND (1)**	**ND (1)**	ND (1)	11.8	14.5
4528	LWDS-04-BH05	90	**ND (1)**	**ND (1)**	ND (1)	15	16.5
4528	LWDS-04-BH05	94	**ND (1)**	**ND (1)**	ND (1)	15.5	18.4
4528	LWDS-04-BH05	100	**ND (1)**	**ND (1)**	ND (1)	17.1	22.5
508688	LWDS-04-BH09	5	**ND (2)**	**ND (1)**	ND (1)	13.7	30.8
508688	LWDS-04-BH09	10	0.29 J (1)	**ND (1)**	ND (0.5)	16.1	26.5
508688	LWDS-04-BH09	16	0.26 J (1)	**ND (1)**	ND (0.5)	**27.6**	24.4
508688	LWDS-04-BH09	20	0.27 J (1)	**ND (1)**	ND (1)	15.3	23.1
508688	LWDS-04-BH09	25	0.13 J (1)	**ND (1)**	ND (0.5)	19.3	24.6
Background Concentration (surface/subsurface)[c]			<1.0/<1.0	<1.0/<1.0	<1.1/<1.1	20.4/21.5	62/62

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Selenium	Silver	Thallium	Vanadium	Zinc
508688	LWDS-04-BH09	30	0.28 J (1)	**ND (1)**	ND (1)	16.9	22.6
508688	LWDS-04-BH09	35	0.25 J (1)	**ND (1)**	ND (0.5)	18.8	22
508688	LWDS-04-BH09	40	0.23 J (0.5)	**ND (1)**	ND (0.5)	17.6	25.5
508688	LWDS-04-BH09	40(D)	0.29 J (0.5)	**ND (1)**	ND (0.5)	13.5	19.1
508688	LWDS-04-BH09	45	0.24 J (0.5)	**ND (1)**	ND (0.5)	18.5	25
508688	LWDS-04-BH09	50	0.22 J (1)	**ND (1)**	0.15 J (0.5)	12.7	18.6
508427	LWDS-04-BH10	5	0.45 J (0.5)	**ND (1)**	ND (1)	18.4	22.4
508427	LWDS-04-BH10	10	ND (0.5)	0.57 J (1)	ND (1)	**23.1**	25.6
508427	LWDS-04-BH10	15	0.5	**ND (1)**	ND (1)	15.8	25.1
508427	LWDS-04-BH10	15(D)	ND (0.5)	**ND (1)**	ND (1)	18.4	21.4
508427	LWDS-04-BH10	20	ND (0.5)	**ND (1)**	ND (1)	19.2	23.8
508427	LWDS-04-BH10	25	ND (0.5)	**ND (1)**	ND (1)	16.5	17.3
508427	LWDS-04-BH10	30	ND (0.5)	**ND (1)**	ND (1)	18.7	22.3
02033	LWDS-04-BH17-0	0	ND (0.5)	**2**	0.79 J (1)	19.2	44.9
02033	LWDS-04-BH17-05	5	ND (0.5)	**ND (1)**	0.61 J (1)	14.3	28.2
02031	LWDS-04-BH17-10	10	ND (0.5)	**ND (1)**	0.64 J (1)	18.3	34.3
02031	LWDS-04-BH17-15	15	ND (0.5)	**ND (1)**	0.78 J (1)	16.8	25.1
02031	LWDS-04-BH17-20	20	ND (0.5)	**ND (1)**	0.72 J (1)	18.6	24.3
02031	LWDS-04-BH17-25	25	ND (0.5)	**ND (1)**	0.59 J (1)	**23.7**	46.7
02031	LWDS-04-BH17-42	42	ND (0.5)	**ND (1)**	ND (1)	17.2	24.2
02031	LWDS-04-BH17-49	49	ND (0.5)	**ND (1)**	0.7 J (1)	13.6	25.4
02031	LWDS-04-BH17-54	54	ND (0.5)	**ND (1)**	ND (1)	18.3	28.6
02031	LWDS-04-BH17-59	59	ND (0.5)	**ND (1)**	ND (1)	**22.3**	27.3
02031	LWDS-04-BH17-59	59(D)	ND (0.5)	**ND (1)**	0.69 J (1)	19.8	25.8
02034	LWDS-04-BH18-0	0	**1.3**	**90.5**	ND (1)	20.6	**106**
02034	LWDS-04-BH18-05	5	ND (0.5)	**ND (1)**	ND (1)	13.7	19.9
02034	LWDS-04-BH18-10	10	ND (0.5)	**ND (1)**	**1.2**	18.2	25.8
02034	LWDS-04-BH18-15	15	ND (0.5)	**ND (1)**	0.58 J (1)	19.8	26.9
02034	LWDS-04-BH18-15	15(D)	ND (0.5)	**ND (1)**	ND (1)	**23**	31.3
02034	LWDS-04-BH18-20	20	ND (0.5)	**ND (1)**	0.77 J (1)	14.4	17.9
02034	LWDS-04-BH18-25	25	ND (0.5)	**ND (1)**	ND (1)	12.9	17.2
02034	LWDS-04-BH18-30	30	ND (0.5)	**ND (1)**	0.93 J (1)	21.6	21
4480	LWDS-MW2	100.5	ND (0.5)	**ND (1)**	ND (1)	15.3	20.7
4480	LWDS-MW2	110.6	ND (0.5)	**ND (1)**	ND (1)	16	21.7
4741	LWDS-MW2	118	**ND (1)**	**ND (1)**	**ND (2)**	12.5	19.9
Background Concentration (surface/subsurface)[c]			<1.0/<1.0	<1.0/<1.0	<1.1/<1.1	20.4/21.5	62/62

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Selenium	Silver	Thallium	Vanadium	Zinc
4724	LWDS-MW2	125	**ND (1)**	**ND (1)**	ND (1)	17.4	33.1
4599	LWDS-MW2	130	**ND (1)**	**ND (1)**	**ND (5)**	10.5	20.4
4599	LWDS-MW2	140	**ND (1)**	**ND (1)**	**ND (5)**	12.3	17.8
4724	LWDS-MW2	164	**ND (1)**	**ND (1)**	ND (1)	20.3	31.7
4724	LWDS-MW2	175	**ND (1)**	**ND (1)**	ND (1)	14.7	24.7
4725	LWDS-MW2	187	**ND (1)**	**ND (1)**	ND (1)	16.7	29.1
4727	LWDS-MW2	225	**ND (1)**	**ND (1)**	ND (1)	**23.8**	42.4
4739	LWDS-MW2	250	ND (0.5)	**ND (1)**	ND (1)	17.2	23.5
4738	LWDS-MW2	275	**ND (1)**	**ND (1)**	ND (1)	**23.2**	34.4
4738	LWDS-MW2	300	**ND (1)**	**ND (1)**	ND (1)	20.6	27.7
4738	LWDS-MW2	300(D)	ND (0.5)	**ND (1)**	ND (1)	21.1	29.3
4736	LWDS-MW2	325	**ND (1)**	**ND (1)**	ND (1)	17.8	47.8
4600	LWDS-MW2	350	ND (0.5)	**ND (1)**	ND (1)	15.7	23.6
4601	LWDS-MW2	378	ND (0.5)	**1.3**	ND (1)	18.5	27.1
4614	LWDS-MW2	400	**ND (1)**	**ND (1)**	**ND (2)**	15.8	26.8
4603	LWDS-MW2	430	ND (0.5)	**ND (1)**	ND (1)	20.7	28.9
4604	LWDS-MW2	434	**ND (1)**	**ND (1)**	ND (1)	**23.3**	34.6
4604	LWDS-MW2	449	ND (0.5)	**ND (1)**	ND (1)	19.5	31.3
4605	LWDS-MW2	475	ND (0.5)	**ND (1)**	ND (1)	16.6	37.8
4605	LWDS-MW2	490	ND (0.5)	**ND (1)**	ND (0.5)	17.6	29.1
4606	LWDS-MW2	530	ND (0.5)	**ND (1)**	ND (1)	14.6	23.3
04123	LWDS-SS-1	0	**ND (1)**	**ND (1)**	ND (0.5)	13	25.3
04032	LWDS-SS-2	0	**ND (1)**	**ND (1)**	ND (1)	10.7	22.9
04122	LWDS-SS-3	0	**ND (1)**	**ND (1)**	ND (1)	11.1	21.6
04032	LWDS-SS-4	0	ND (0.5)	**ND (1)**	ND (1)	14.8	33
04031	LWDS-SS-5	0	**ND (1)**	**ND (1)**	ND (1)	10.8	25.9
04123	LWDS-SS-6	0	**ND (1)**	**ND (1)**	ND (1)	15.2	23
04031	LWDS-SS-7	0	**ND (1)**	**ND (1)**	ND (1)	14.6	22.1
04122	LWDS-SS-8	0	**ND (1)**	**ND (1)**	ND (0.5)	15.8	24.6
04035	LWDS-SS-9	0	**ND (1)**	**ND (1)**	ND (0.5)	8.9	26.6
04052	LWDS-SS-10	0	**ND (2)**	**ND (1)**	ND (0.5)	14.9	21.6
04050	LWDS-SS-11	0	**ND (1)**	**ND (1)**	ND (0.5)	20.3	23.6
04042	LWDS-SS-12	0	**ND (1)**	**ND (1)**	ND (0.5)	**22.2**	30.2
04045	LWDS-SS-13	0	ND (0.5)	**ND (1)**	ND (0.5)	15.3	29.8
4053	LWDS-SS-14	0	**ND (1)**	**ND (1)**	ND (0.5)	14.4	20.9
4163	LWDS-SS-15	0	**ND (1)**	**ND (1)**	ND (0.5)	17.2	29.3
04033	LWDS-SS-16	0	ND (0.5)	**ND (1)**	ND (0.5)	10.7	26.6
Background Concentration (surface/subsurface)[c]			<1.0/<1.0	<1.0/<1.0	<1.1/<1.1	20.4/21.5	62/62

Refer to footnotes at end of table.

Table A-7 (Continued)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Selenium	Silver	Thallium	Vanadium	Zinc
04036	LWDS-SS-17	0	**ND (1)**	**ND (1)**	ND (1)	13.5	42.8
04052	LWDS-SS-18	0	**ND (1)**	**ND (1)**	ND (0.5)	9.8	23.2
04049	LWDS-SS-19	0	**ND (1)**	**4.9**	ND (0.5)	13.4	31.5
04042	LWDS-SS-20	0	**ND (1)**	**ND (1)**	ND (0.5)	12	21.7
04044	LWDS-SS-21	0	ND (0.5)	**ND (1)**	ND (0.5)	**21.6**	35.5
4047	LWDS-SS-22	0	**ND (1)**	**ND (1)**	ND (0.5)	18.5	24.1
4053	LWDS-SS-23	0	**ND (1)**	**ND (1)**	ND (0.5)	19.5	49.9
4054	LWDS-SS-23	0(D)	**ND (1)**	**ND (1)**	ND (0.5)	16.2	35.2
04033	LWDS-SS-24	0	ND (0.5)	**ND (1)**	ND (1)	9.8	17.1
04034	LWDS-SS-25	0	**ND (1)**	**ND (1)**	ND (0.5)	10	23.3
04051	LWDS-SS-26	0	ND (0.5)	**2.9**	ND (0.5)	15.7	34.2
04049	LWDS-SS-27	0	**ND (20)**	**64.9**	ND (1)	**21.3**	**198**
04041	LWDS-SS-28	0	**ND (1)**	**ND (1)**	ND (0.5)	12.8	23.4
04044	LWDS-SS-29	0	ND (0.5)	**ND (1)**	ND (0.5)	20	30.1
4047	LWDS-SS-30	0	ND (0.5)	**ND (1)**	ND (0.5)	16.8	27.3
4054	LWDS-SS-31	0	ND (0.5)	**ND (1)**	ND (0.5)	16.3	25.2
4039	LWDS-SS-31	0(D)	ND (0.5)	**ND (1)**	ND (0.5)	17.3	28.8
04037	LWDS-SS-32	0	ND (0.5)	**ND (1)**	ND (0.5)	8.7	20.8
04036	LWDS-SS-33	0	**ND (1)**	**ND (1)**	ND (1)	8.5	23.3
04051	LWDS-SS-34	0	ND (0.5)	**5.1**	ND (0.5)	20.4	53.8
04048	LWDS-SS-35	0	ND (0.5)	**2.9**	ND (0.5)	15.2	27.5
04040	LWDS-SS-36	0	**ND (1)**	**5.7**	ND (0.5)	10.8	50.3
04041	LWDS-SS-36	0(D)	ND (0.5)	**9.7**	ND (0.5)	12.1	56
04045	LWDS-SS-36[d]	0	**ND (1)**	**3.2**	ND (0.5)	20.3	49.1
04043	LWDS-SS-37	0	ND (0.5)	**ND (1)**	ND (0.5)	19.2	28.9
4046	LWDS-SS-38	0	**ND (2)**	**ND (1)**	ND (0.5)	19.1	32.1
4039	LWDS-SS-39	0	**ND (2)**	**5.5**	ND (0.5)	**22.8**	**144**
4162	LWDS-SS-39	0(D)	**ND (2)**	**5.7**	ND (0.5)	**25.1**	**148**
04037	LWDS-SS-40	0	**ND (1)**	**ND (1)**	ND (1)	7.5	19.8
04034	LWDS-SS-41	0(D)	ND (0.5)	**ND (1)**	ND (0.5)	13.6	23
04035	LWDS-SS-41	0	**ND (1)**	**ND (1)**	ND (0.5)	9.7	16.9
04050	LWDS-SS-42	0	ND (0.5)	**ND (1)**	ND (0.5)	14.9	30
04048	LWDS-SS-43	0	ND (0.5)	**ND (1)**	ND (0.5)	20.4	28.5
04040	LWDS-SS-44	0	**ND (2)**	**ND (1)**	ND (0.5)	15.4	21
04043	LWDS-SS-45	0	ND (0.5)	**ND (1)**	ND (0.5)	18.8	28.4
4046	LWDS-SS-46	0	**ND (2)**	**ND (1)**	ND (0.5)	18.2	27.3
Background Concentration (surface/subsurface)[c]			<1.0/<1.0	<1.0/<1.0	<1.1/<1.1	20.4/21.5	62/62

Refer to footnotes at end of table.

Table A-7 (Concluded)
Summary of SWMU 4 Soil Sampling, Metals Analytical Results
July 1992–December 1994
(Off-Site Laboratory)

Sample Attributes			Metals (EPA Method 6010/7060/7196/7421/7470/7471/7740/7841/T-6010/T-7471[a]) (mg/kg)				
Record Number[b]	ER Sample ID	Sample Depth (ft)	Selenium	Silver	Thallium	Vanadium	Zinc
4163	LWDS-SS-47	0	ND (0.5)	**ND (1)**	ND (0.5)	11.8	16.8
04038	LWDS-SS-48	0	ND (0.5)	**3.8**	ND (1)	**52.7**	**71.8**
4164	LWDS-SS-HS	0	**ND (2)**	**1.7**	ND (0.5)	11.5	59.7
4162	LWDS-SS-HS	1	**ND (2.5)**	**ND (1)**	ND (0.5)	14.9	47.4
Background Concentration (surface/subsurface)[c]			<1.0/<1.0	<1.0/<1.0	<1.1/<1.1	20.4/21.5	62/62
Quality Assurance/Quality Control Samples (mg/L)							
04426	LWDS-04-BH01 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	0.011	0.051
04427	LWDS-04-BH01 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.053
04419	LWDS-04-BH02 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.02)
04422	LWDS-04-BH02 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.028
4413	LWDS-04-BH03 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.02)
4418	LWDS-04-BH03 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.02)
4411	LWDS-04-BH04 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.023
4547	LWDS-04-BH04 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.02)
4545	LWDS-04-BH05 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.06
508688	LWDS-04-BH09 (EB)	NA	0.0013 J (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.008 J (0.02)
508427	LWDS-04-BH10 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.011 J (0.02)
4481	LWDS-MW2 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	0.061
4602	LWDS-MW2 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.005)	ND (0.01)	ND (0.02)
4744	LWDS-MW2 (EB)	NA	ND (0.005)	ND (0.01)	ND (0.01)	0.053	0.11

Note: Values in **bold** exceed background concentration.

[a]EPA November 1986.

[b]Analysis request/chain-of-custody record.

[c]Dinwiddie September 1997, Southwest Area Supergroup.

[d]Soil sample collected at drain outfall in Impoundment 2; this sample was located in Grid 35 on maps but included with samples collected in Grid 36.

[e]Sample measured by both Method 6010 (5.7 mg/kg) and Method 7421 (6.9 mg/kg).

(D) = Duplicate sample.
(EB) = Equipment Blank (added as identifier to ER Sample ID).
EPA = U.S. Environmental Protection Agency.
ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
J ( ) = Estimated value is less than laboratory reporting limit, shown in parentheses.
mg/kg = Milligram(s) per kilogram.
mg/L = Milligram(s) per liter.
NA = Not applicable.
ND ( ) = Analyte not detected above the RL, shown in parentheses.
ND ( ) = Not detected, but the RL (shown in parentheses) exceeds background concentration.
NR = Not reported.
RL = Reporting limit.
SWMU = Solid Waste Management Unit.

Table A-8
Summary of SWMU 4 Soil Sampling Metals Analytical RLs
July 1992–December 1994
(Off-Site Laboratory)

Analyte	Reporting Limit (mg/kg)
Antimony	6–12
Arsenic	0.3–4
Barium	1–2
Beryllium	0.1–0.4
Cadmium	0.5–1
Chromium	1–2
Chromium (VI)	0.1–10
Cobalt	1–2
Copper	0.7–4
Lead	0.3–5
Mercury	0.1
Nickel	0.9–8
Selenium	0.5–20
Silver	1–2
Thallium	0.5–5
Vanadium	1–2
Zinc	2–4

mg/kg = Milligram(s) per kilogram.
RL = Reporting limit.
SWMU = Solid Waste Management Unit.

Table A-9
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)							
Record Number[a]	ER Sample ID	Sample Depth (ft)	Cesium-137		Cobalt-60		Lead-210		Radium-226	
			Result	Error[b]	Result	Error[b]	Result	Error[b]	Result	Error[b]
04401	LWDS-04-BH01	5	**ND (0.0952)**	--	ND (0.0921)	--	3.39	--	1.28	--
04401	LWDS-04-BH01	10	ND (0.0128)	--	ND (0.0796)	--	ND (3.96)	--	ND (1.41)	--
04401	LWDS-04-BH01	15	**ND (0.0822)**	--	ND (0.0874)	--	ND (2.87)	--	ND (1.01)	--
04401	LWDS-04-BH01	20	**ND (0.106)**	--	ND (0.114)	--	ND (3.8)	--	ND (1.32)	--
04430	LWDS-04-BH01	25	**ND (0.0899)**	--	ND (0.095)	--	ND (3.66)	--	ND (1.37)	--
04430	LWDS-04-BH01	30	**ND (0.119)**	--	ND (0.109)	--	ND (3.12)	--	ND (1.3)	--
04430	LWDS-04-BH01	35	ND (0.0678)	--	ND (0.0754)	--	ND (4.05)	--	ND (1.39)	--
04430	LWDS-04-BH01	35	ND (0.051)	--	ND (0.0428)	--	ND (3.67)	--	ND (1.36)	--
04429	LWDS-04-BH01	40	**ND (0.116)**	--	ND (0.119)	--	ND (3.27)	--	ND (1.24)	--
04429	LWDS-04-BH01	45	**ND (0.0882)**	--	ND (0.071)	--	ND (3.19)	--	ND (1.17)	--
04429	LWDS-04-BH01	50	ND (0.0732)	--	ND (0.0993)	--	ND (3.29)	--	ND (1.15)	--
04429	LWDS-04-BH01	55	ND (0.0683)	--	ND (0.0384)	--	ND (3.02)	--	ND (1.18)	--
04428	LWDS-04-BH01	60	**ND (0.0897)**	--	ND (0.0599)	--	ND (2.99)	--	ND (1.14)	--
04425	LWDS-04-BH01	75	ND (0.0602)	--	ND (0.0772)	--	4	3	ND (1)	--
04425	LWDS-04-BH01	80	ND (0.0445)	--	ND (0.0763)	--	3	2	ND (1.35)	--
04425	LWDS-04-BH01	85	**ND (0.0959)**	--	ND (0.109)	--	ND (3.19)	--	ND (1.38)	--
04424	LWDS-04-BH01	90	**ND (0.093)**	--	ND (0.0948)	--	ND (3.7)	--	ND (1.24)	--
04424	LWDS-04-BH01	95	ND (0.0435)	--	ND (0.0523)	--	ND (2.24)	--	ND (0.801)	--
04424	LWDS-04-BH01	95(D)	ND (0.0298)		ND (0.0426)	--	ND (2.49)	--	ND (0.828)	--
04402	LWDS-04-BH02	5	**0.112**	--	**0.989**	--	3.69	--	1.26	11
04402	LWDS-04-BH02	10	0.0624	--	**0.0450**	--	3.45	--	1.20	--
04402	LWDS-04-BH02	15	0.0586	--	**0.0810**	--	2.79	--	1.13	--
04402	LWDS-04-BH02	20	0.0677	--	**0.0326**	--	2.65	--	0.957	--
04423	LWDS-04-BH02	25	0.0562	--	**0.0566**	--	2.16	--	0.892	--
04423	LWDS-04-BH02	30	0.0595	--	**0.116**	--	3.38	--	1.32	--
04423	LWDS-04-BH02	35	**0.101**	--	**0.0499**	--	3.06	--	1.28	--
04423	LWDS-04-BH02	40	**0.0855**	--	**0.0939**	--	3.25	--	1.02	--
04421	LWDS-04-BH02	45	**ND (0.0914)**	--	ND (0.0834)	--	ND (2.99)	--	ND (1.07)	--
04421	LWDS-04-BH02	50	ND (0.0542)	--	ND (0.0791)	--	ND (3.37)	--	ND (1.28)	--
04421	LWDS-04-BH02	50	ND (0.0568)	--	ND (0.101)	--	ND (3.73)	--	ND (1.31)	--
04421	LWDS-04-BH02	70	**ND (0.0879)**	--	ND (0.053)	--	ND (2.93)	--	ND (0.99)	--
04420	LWDS-04-BH02	75	ND (0.0601)	--	ND (0.114)	--	ND (2.89)	--	ND (1.28)	--
04420	LWDS-04-BH02	75(D)	**ND (0.178)**	--	ND (0.139)	--	ND (5.84)	--	**ND (1.89)**	--
04420	LWDS-04-BH02	80	**ND (0.13)**	--	ND (0.0894)	--	ND (3.42)	--	ND (1.43)	--
04403	LWDS-04-BH02	85	ND (0.0789)	--	ND (0.0909)	--	ND (3.28)	--	ND (0.996)	--
Background Activity (surface/subsurface)[c]			0.664/0.079	--	NA	--	NA	--	2.30/1.76	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)							
Record Number[a]	ER Sample ID	Sample Depth (ft)	Cesium-137		Cobalt-60		Lead-210		Radium-226	
			Result	Error[b]	Result	Error[b]	Result	Error[b]	Result	Error[b]
04403	LWDS-04-BH02	90	**ND (0.106)**	--	ND (0.098)	--	ND (3.46)	--	ND (1.19)	--
04403	LWDS-04-BH02	95	**ND (0.0867)**	--	ND (0.0946)	--	ND (3.16)	--	ND (1.33)	--
04403	LWDS-04-BH02	95	**ND (0.101)**	--	ND (0.0429)	--	ND (2.92)	--	ND (1.24)	--
04404	LWDS-04-BH02	100	**ND (0.108)**	--	ND (0.0908)	--	4	2	ND (1.26)	--
4417	LWDS-04-BH03	5	**ND (0.0802)**	--	ND (0.132)	--	ND (3.42)	--	ND (1.37)	--
4417	LWDS-04-BH03	10	ND (0.078)	--	ND (0.0469)	--	ND (2.15)	--	ND (0.854)	--
4417	LWDS-04-BH03	15	**ND (0.111)**	--	ND (0.0483)	--	ND (3.82)	--	ND (1.39)	--
4416	LWDS-04-BH03	20	ND (0.0714)	--	ND (0.0305)	--	ND (2.59)	--	ND (0.882)	--
4417	LWDS-04-BH03	20	**ND (0.0804)**	--	ND (0.0664)	--	ND (2.33)	--	ND (0.933)	--
4416	LWDS-04-BH03	25	ND (0.0463)	--	ND (0.0884)	--	ND (2.63)	--	ND (1.08)	--
4416	LWDS-04-BH03	30	**ND (0.104)**	--	ND (0.0933)	--	ND (3.36)	--	ND (1.1)	--
4416	LWDS-04-BH03	35	**ND (0.0822)**	--	ND (0.114)	--	ND (2.91)	--	ND (1.18)	--
4415	LWDS-04-BH03	41	**ND (0.122)**	--	ND (0.103)	--	ND (3.79)	--	ND (1.33)	--
4415	LWDS-04-BH03	45	ND (0.0493)	--	ND (0.0459)	--	ND (2.4)	--	ND (0.775)	--
4415	LWDS-04-BH03	50	ND (0.0592)	--	ND (0.0526)	--	2	2	ND (0.844)	--
4415	LWDS-04-BH03	54	ND (0.0678)	--	ND (0.0876)	--	4	2	1.1	0.6
4414	LWDS-04-BH03	60	**ND (0.0837)**	--	ND (0.0677)	--	ND (4.01)	--	ND (1.34)	--
4414	LWDS-04-BH03	65	ND (0.0535)	--	ND (0.0732)	--	ND (2.99)	--	ND (0.941)	--
4414	LWDS-04-BH03	70	**ND (0.0992)**	--	ND (0.0655)	--	ND (3.23)	--	ND (1.19)	--
4412	LWDS-04-BH03	80	**ND (0.157)**	--	ND (0.143)	--	ND (7.03)	--	**ND (2.19)**	--
4414	LWDS-04-BH03	80	**ND (0.0843)**	--	ND (0.115)	--	ND (3.26)	--	ND (1.31)	--
4412	LWDS-04-BH03	85	**ND (0.0887)**	--	ND (0.0449)	--	ND (3.43)	--	ND (1.29)	--
4407	LWDS-04-BH04	5	**ND (0.0871)**	--	ND (0.0896)	--	ND (3.34)	--	ND (1.12)	--
4407	LWDS-04-BH04	10	**ND (0.101)**	--	ND (0.113)	--	ND (3.72)	--	ND (1.46)	--
4407	LWDS-04-BH04	15	ND (0.0773)	--	ND (0.103)	--	ND (3.81)	--	ND (1.4)	--
4407	LWDS-04-BH04	20	**ND (0.0847)**	--	ND (0.0817)	--	ND (3.55)	--	ND (1.3)	--
4406	LWDS-04-BH04	25	**ND (0.0809)**	--	ND (0.0854)	--	ND (2.9)	--	ND (1.14)	--
4406	LWDS-04-BH04	30	ND (0.0654)	--	ND (0.0662)	--	3	2	ND (0.947)	--
4406	LWDS-04-BH04	35	ND (0.051)	--	ND (0.0639)	--	ND (2.5)	--	ND (0.979)	--
4406	LWDS-04-BH04	35	ND (0.0596)	--	ND (0.0343)	--	ND (2.76)	--	ND (0.915)	--
4494	LWDS-04-BH04	40	ND (0.0676)	--	ND (0.0404)	--	ND (2.9)	--	ND (0.948)	--
4494	LWDS-04-BH04	45	ND (0.0684)	--	ND (0.0401)	--	ND (2.8)	--	ND (0.957)	--
4493	LWDS-04-BH04	50	ND (0.0572)	--	ND (0.0834)	--	ND (2.6)	--	ND (0.834)	--
4493	LWDS-04-BH04	56	ND (0.0517)	--	ND (0.0863)	--	ND (3.01)	--	ND (1.19)	--
4493	LWDS-04-BH04	60	ND (0.0726)	--	ND (0.0873)	--	ND (2.85)	--	ND (0.963)	--
Background Activity (surface/subsurface)[c]			0.664/0.079	--	NA	--	NA	--	2.30/1.76	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)							
Record Number[a]	ER Sample ID	Sample Depth (ft)	Cesium-137		Cobalt-60		Lead-210		Radium-226	
			Result	Error[b]	Result	Error[b]	Result	Error[b]	Result	Error[b]
4493	LWDS-04-BH04	65	**ND (0.0924)**	--	ND (0.1)	--	ND (3.04)	--	ND (1.13)	--
4492	LWDS-04-BH04	70	**ND (0.102)**	--	ND (0.115)	--	ND (2.63)	--	ND (1.26)	--
4492	LWDS-04-BH04	70	**ND (0.101)**	--	ND (0.128)	--	ND (3.35)	--	ND (1.23)	--
4492	LWDS-04-BH04	74	**ND (0.0842)**	--	ND (0.116)	--	ND (3.32)	--	ND (1.23)	--
4492	LWDS-04-BH04	80	ND (0.0692)	--	ND (0.128)	--	ND (3.36)	--	ND (1.2)	--
4522	LWDS-04-BH04	84	**ND (0.0922)**	--	ND (0.103)	--	ND (3.04)	--	**ND (1.96)**	--
4522	LWDS-04-BH04	90	**ND (0.101)**	--	ND (0.143)	--	ND (4.39)	--	**ND (2.81)**	--
4522	LWDS-04-BH04	95	ND (0.0414)	--	ND (0.104)	--	ND (3.4)	--	**ND (1.93)**	--
4491	LWDS-04-BH04	100	**ND (0.0861)**	--	ND (0.104)	--	3	2	**ND (1.79)**	--
4546	LWDS-04-BH05	5	ND (0.0613)	--	ND (0.149)	--	ND (3.76)	--	**ND (2.49)**	--
4546	LWDS-04-BH05	10	**ND (0.126)**	--	ND (0.133)	--	ND (3.53)	--	**ND (2.66)**	--
4546	LWDS-04-BH05	15	ND (0.0782)	--	ND (0.066)	--	ND (3.07)	--	ND (1.62)	--
4546	LWDS-04-BH05	20	ND (0.0419)	--	ND (0.117)	--	ND (3.09)	--	**ND (2.11)**	--
4523	LWDS-04-BH05	24	ND (0.0772)	--	ND (0.0801)	--	ND (3.08)	--	ND (1.74)	--
4523	LWDS-04-BH05	29	ND (0.0607)	--	ND (0.0928)	--	ND (3.36)	--	**ND (2.29)**	--
4523	LWDS-04-BH05	35	ND (0.0753)	--	ND (0.102)	--	ND (3.33)	--	**ND (2.2)**	--
4523	LWDS-04-BH05	35	ND (0.0768)	--	ND (0.123)	--	ND (3.27)	--	**ND (2.24)**	--
4525	LWDS-04-BH05	40	**ND (0.0874)**	--	ND (0.105)	--	ND (3.2)	--	**ND (1.77)**	--
4525	LWDS-04-BH05	45	**ND (0.0887)**	--	ND (0.101)	--	ND (3.17)	--	**ND (2.09)**	--
4525	LWDS-04-BH05	50	ND (0.0445)	--	ND (0.104)	--	ND (2.94)	--	ND (1.75)	--
4525	LWDS-04-BH05	55	**ND (0.0874)**	--	ND (0.0601)	--	ND (2.92)	--	**ND (1.94)**	--
4526	LWDS-04-BH05	59	**ND (0.0903)**	--	ND (0.0738)	--	ND (3.21)	--	**ND (1.94)**	--
4526	LWDS-04-BH05	65	**ND (0.0962)**	--	ND (0.119)	--	ND (4.04)	--	**ND (2.49)**	--
4526	LWDS-04-BH05	69	ND (0.0688)	--	ND (0.0714)	--	ND (3.7)	--	**ND (2.3)**	--
4526	LWDS-04-BH05	75	**ND (0.0947)**	--	ND (0.103)	--	ND (3.63)	--	**ND (2.09)**	--
4527	LWDS-04-BH05	80	**ND (0.0934)**	--	ND (0.0896)	--	ND (3.13)	--	**ND (1.83)**	--
4527	LWDS-04-BH05	80	**ND (0.0803)**	--	ND (0.115)	--	ND (3.29)	--	**ND (2.06)**	--
4527	LWDS-04-BH05	86	**ND (0.0851)**	--	ND (0.125)	--	ND (3.34)	--	**ND (2.26)**	--
4528	LWDS-04-BH05	90	**ND (0.129)**	--	ND (0.122)	--	ND (4.7)	--	**ND (2.78)**	--
4528	LWDS-04-BH05	94	ND (0.0352)	--	ND (0.0703)	--	ND (3.14)	--	**ND (1.81)**	--
4528	LWDS-04-BH05	100	ND (0.0426)	--	ND (0.118)	--	ND (3.48)	--	**ND (2.22)**	--
508686	LWDS-04-BH09	5	**7.5**	0.52	**11**	0.85	NR	--	0.49	0.23
508686	LWDS-04-BH09	10	ND (0.053)	--	ND (0.07)	--	NR	--	0.68	0.16
508686	LWDS-04-BH09	15	ND (0.041)	--	ND (0.053)	--	NR	--	0.47	0.096
508686	LWDS-04-BH09	20	ND (0.037)	--	ND (0.044)	--	NR	--	0.47	0.098
Background Activity (surface/subsurface)[c]			0.664/0.079	--	NA	--	NA	--	2.30/1.76	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)							
Record Number[a]	ER Sample ID	Sample Depth (ft)	Cesium-137		Cobalt-60		Lead-210		Radium-226	
			Result	Error[b]	Result	Error[b]	Result	Error[b]	Result	Error[b]
508686	LWDS-04-BH09	26	ND (0.047)	--	ND (0.052)	--	NR	--	0.7	0.14
508686	LWDS-04-BH09	30	ND (0.036)	--	ND (0.039)	--	NR	--	0.47	0.11
508686	LWDS-04-BH09	35	ND (0.044)	--	ND (0.037)	--	NR	--	0.37	0.098
508686	LWDS-04-BH09	40	ND (0.042)	--	ND (0.049)	--	NR	--	0.46	0.1
508686	LWDS-04-BH09	40(D)	ND (0.048)	--	ND (0.049)	--	NR	--	0.55	0.14
508686	LWDS-04-BH09	45	ND (0.042)	--	ND (0.054)	--	NR	--	0.54	0.12
508686	LWDS-04-BH09	50	ND (0.044)	--	ND (0.05)	--	NR	--	0.39	0.098
508421	LWDS-04-BH09-30	30	ND (0.016)	--	ND (0.0225)	--	NR	--	0.548	0.0709
508602	LWDS-04-BH09-50	50	ND (0.0181)	--	ND (0.02)	--	NR	--	0.545	0.0688
508424	LWDS-04-BH10	5	**1.9**	0.15	ND (0.056)	--	NR	--	0.46	0.11
508424	LWDS-04-BH10	10	ND (0.052)	--	ND (0.05)	--	NR	--	0.75	0.15
508424	LWDS-04-BH10	15	ND (0.069)	--	ND (0.081)	--	NR	--	0.78	0.21
508424	LWDS-04-BH10	15	ND (0.054)	--	ND (0.056)	--	NR	--	0.9	0.17
508424	LWDS-04-BH10	20	ND (0.039)	--	ND (0.052)	--	NR	--	0.41	0.1
508424	LWDS-04-BH10	25	ND (0.047)	--	ND (0.051)	--	NR	--	0.37	0.14
508601	LWDS-04-BH10-10	10	ND (0.01938)	--	ND (0.02316)	--	NR	--	0.54307	0.0372
508601	LWDS-04-BH10-20	20	ND (0.01391)	--	ND (0.01902)	--	NR	--	0.39805	0.0294
02033	LWDS-04-BH17-0	0	0.161	0.0653	**0.242**	0.0923	NR	--	3	1.42
02033	LWDS-04-BH17-05	5	0.0725	0.0353	ND (0.0454)	--	NR	--	**2.1**	0.758
02033	LWDS-04-BH17-10	10	ND (0.0274)	--	ND (0.0422)	--	NR	--	1.66	0.662
02033	LWDS-04-BH17-15	15	ND (0.0157)	--	ND (0.0254)	--	NR	--	1.63	0.531
02033	LWDS-04-BH17-20	20	ND (0.0173)	--	ND (0.0324)	--	NR	--	**2.21**	0.93
02033	LWDS-04-BH17-25	25	ND (0.0159)	--	ND (0.0223)	--	NR	--	**2.09**	0.589
02033	LWDS-04-BH17-35	35	ND (0.0197)	--	ND (0.028)	--	NR	--	1.45	0.804
02033	LWDS-04-BH17-42	42	ND (0.0159)	--	ND (0.0241)	--	NR	--	1.08	0.498
02033	LWDS-04-BH17-47	47	ND (0.0187)	--	ND (0.0228)	--	NR	--	1.43	0.598
02033	LWDS-04-BH17-54	54	ND (0.0203)	--	ND (0.0262)	--	NR	--	1.76	0.698
02033	LWDS-04-BH17-59	59	ND (0.0245)	--	ND (0.0357)	--	NR	--	1.46	0.889
02036	LWDS-04-BH18-0	0	0.0366	0.0339	ND (0.0332)	--	ND (1.76)	--	1.96	0.569
02036	LWDS-04-BH18-05	5	0.056	0.036	ND (0.0382)	--	ND (1.94)	--	**3.68**	1.11
02036	LWDS-04-BH18-10	10	ND (0.0254)	--	ND (0.0317)	--	NR	--	1.22	0.769
02036	LWDS-04-BH18-15	15	ND (0.0306)	--	ND (0.0402)	--	NR	--	**2.13**	0.911
02036	LWDS-04-BH18-15	15	ND (0.025)	--	ND (0.0376)	--	NR	--	**2.12**	0.888
02036	LWDS-04-BH18-20	20	ND (0.0208)	--	ND (0.0307)	--	NR	--	0.906	0.576
02036	LWDS-04-BH18-25	25	ND (0.0243)	--	ND (0.0339)	--	ND (1.84)	--	**2.22**	0.774
Background Activity (surface/subsurface)[c]			0.664/0.079	--	NA	--	NA	--	2.30/1.76	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)							
Record		Sample	Cesium-137		Cobalt-60		Lead-210		Radium-226	
Number[a]	ER Sample ID	Depth (ft)	Result	Error[b]	Result	Error[b]	Result	Error[b]	Result	Error[b]
02036	LWDS-04-BH18-30	30	ND (0.0218)	--	ND (0.0316)	--	ND (1.59)	--	1.13	0.547
4480	LWDS-MW2	100.5	ND (0.0596)	--	ND (0.0751)	--	ND (3.54)	--	**ND (2.37)**	--
4480	LWDS-MW2	110.6	**ND (0.0846)**	--	ND (0.102)	--	ND (3.29)	--	**ND (2.1)**	--
4741	LWDS-MW2	118	ND (0.0678)	--	ND (0.0328)	--	ND (2.68)	--	ND (1.53)	--
4724	LWDS-MW2	125	**ND (0.0896)**	--	ND (0.0439)	--	ND (3.03)	--	**ND (1.96)**	--
4599	LWDS-MW2	130	ND (0.0615)	--	ND (0.0319)	--	ND (2.34)	--	ND (1.43)	--
4599	LWDS-MW2	140	ND (0.0377)	--	ND (0.051)	--	ND (3.29)	--	**ND (1.79)**	--
4724	LWDS-MW2	164	ND (0.0642)	--	ND (0.076)	--	ND (3.04)	--	**ND (1.77)**	--
4724	LWDS-MW2	175	ND (0.051)	--	ND (0.0436)	--	ND (2.5)	--	ND (1.73)	--
4725	LWDS-MW2	187	**ND (0.0815)**	--	ND (0.0968)	--	ND (3.13)	--	**ND (1.97)**	--
4727	LWDS-MW2	225	ND (0.065)	--	ND (0.0771)	--	ND (2.78)	--	ND (1.69)	--
4739	LWDS-MW2	250	ND (0.0334)	--	ND (0.0359)	--	ND (2.92)	--	ND (1.61)	--
4738	LWDS-MW2	275	ND (0.0336)	--	ND (0.0423)	--	ND (1.8)	--	ND (1.16)	--
4738	LWDS-MW2	300	**ND (0.0824)**	--	ND (0.0943)	--	ND (3)	--	**ND (1.84)**	--
4738	LWDS-MW2	300(D)	ND (0.0679)	--	ND (0.0506)	--	ND (2.99)	--	**ND (1.92)**	--
4736	LWDS-MW2	325	ND (0.0667)	--	ND (0.0568)	--	ND (2.27)	--	ND (1.47)	--
4600	LWDS-MW2	350	ND (0.0755)	--	ND (0.0397)	--	ND (3.53)	--	**ND (2.22)**	--
4601	LWDS-MW2	378	ND (0.0553)	--	ND (0.0415)	--	ND (2.74)	--	ND (1.44)	--
4614	LWDS-MW2	400	ND (0.0568)	--	ND (0.0812)	--	ND (2.83)	--	ND (1.61)	--
4603	LWDS-MW2	430	ND (0.0573)	--	ND (0.0638)	--	ND (3.09)	--	**ND (1.78)**	--
4604	LWDS-MW2	434	ND (0.055)	--	ND (0.0452)	--	ND (1.96)	--	ND (1.27)	--
4604	LWDS-MW2	449	ND (0.0699)	--	ND (0.0336)	--	ND (2.71)	--	**ND (1.91)**	--
4605	LWDS-MW2	475	ND (0.0772)	--	ND (0.0748)	--	ND (2.63)	--	ND (1.66)	--
4605	LWDS-MW2	490	ND (0.0317)	--	ND (0.0632)	--	ND (3.15)	--	**ND (1.95)**	--
4606	LWDS-MW2	530	ND (0.0486)	--	ND (0.0483)	--	ND (2.06)	--	ND (1.37)	--
04123	LWDS-SS-1	0	ND (0.108)	--	ND (0.107)	--	ND (3.56)	--	**ND (2.35)**	--
04032	LWDS-SS-2	0	0.135	0.06	ND (0.0828)	--	ND (2.66)	--	ND (2.15)	--
04122	LWDS-SS-3	0	0.178	0.07	ND (0.0601)	--	ND (3.03)	--	ND (2.22)	--
04032	LWDS-SS-4	0	ND (0.106)	--	ND (0.101)	--	ND (3.18)	--	ND (2.19)	--
04031	LWDS-SS-5	0	ND (0.105)	--	ND (0.109)	--	ND (2.91)	--	ND (2.21)	--
04123	LWDS-SS-6	0	ND (0.0947)	--	ND (0.104)	--	ND (3.33)	--	**ND (2.34)**	--
04031	LWDS-SS-7	0	ND (0.094)	--	ND (0.0865)	--	ND (2.64)	--	ND (1.95)	--
04132	LWDS-SS-8	0	ND (0.103)	--	ND (0.0636)	--	ND (2.95)	--	**ND (2.32)**	--
04035	LWDS-SS-9	0	ND (0.121)	--	ND (0.107)	--	ND (2.85)	--	**ND (2.37)**	--
04052	LWDS-SS-10	0	ND (0.091)	--	ND (0.05)	--	ND (2.9)	--	ND (2.1)	--
Background Activity (surface/subsurface)[c]			0.664/0.079	--	NA	--	NA	--	2.30/1.76	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)							
Record Number[a]	ER Sample ID	Sample Depth (ft)	Cesium-137		Cobalt-60		Lead-210		Radium-226	
			Result	Error[b]	Result	Error[b]	Result	Error[b]	Result	Error[b]
04050	LWDS-SS-11	0	ND (0.078)	--	ND (0.09)	--	ND (2.3)	--	ND (2.1)	--
04042	LWDS-SS-12	0	ND (0.093)	--	ND (0.082)	--	ND (2.9)	--	**ND (2.5)**	--
04045	LWDS-SS-13	0	0.32	0.07	ND (0.087)	--	ND (3.3)	--	ND (2.2)	--
4053	LWDS-SS-14	0	ND (0.11)	--	ND (0.11)	--	ND (3.1)	--	2.09	1.02
4163	LWDS-SS-15	0	0.3	0.1	ND (0.0926)	--	ND (3.53)	--	**ND (2.46)**	--
04033	LWDS-SS-16	0	ND (0.114)	--	ND (0.106)	--	ND (2.98)	--	ND (2.25)	--
04036	LWDS-SS-17	0	ND (0.103)	--	ND (0.133)	--	ND (3.4)	--	**ND (2.65)**	--
04052	LWDS-SS-18	0	ND (0.14)	--	ND (0.09)	--	5	2	**ND (2.5)**	--
04049	LWDS-SS-19	0	0.25	0.08	ND (0.15)	--	ND (4)	--	**ND (2.9)**	--
04042	LWDS-SS-20	0	0.16	0.08	ND (0.14)	--	ND (3.8)	--	**ND (2.7)**	--
04044	LWDS-SS-21	0	0.61	0.09	ND (0.12)	--	ND (3.7)	--	**ND (2.5)**	--
4047	LWDS-SS-22	0	ND (0.093)	--	ND (0.076)	--	ND (3.2)	--	ND (2.3)	--
4053	LWDS-SS-23	0	**8.36**	0.55	**1.71**	0.21	ND (4.5)	--	**ND (3.5)**	--
4054	LWDS-SS-23	0	**10.1**	0.7	**3.07**	0.24	ND (5.8)	--	**ND (4.5)**	--
04033	LWDS-SS-24	0	ND (0.0979)	--	ND (0.0674)	--	5	2.52	**ND (2.38)**	--
04034	LWDS-SS-25	0	ND (0.113)	--	ND (0.0513)	--	ND (3.44)	--	ND (2.28)	--
04051	LWDS-SS-26	0	ND (0.14)	--	ND (0.17)	--	4.6	2.1	**ND (3.2)**	--
04049	LWDS-SS-27	0	**0.81**	0.18	**0.66**	0.16	9.6	4.7	**ND (7.1)**	--
04041	LWDS-SS-28	0	ND (0.13)	--	ND (0.15)	--	ND (3.9)	--	**ND (3.2)**	--
04044	LWDS-SS-29	0	ND (0.076)	--	ND (0.1)	--	ND (3.2)	--	**ND (2.5)**	--
4047	LWDS-SS-30	0	**0.8**	0.12	**0.3**	0.09	ND (4.9)	--	**ND (3.4)**	--
4039	LWDS-SS-31	0	0.2	0.1	ND (0.113)	--	ND (3.09)	--	**ND (2.73)**	--
4054	LWDS-SS-31	0	0.25	0.08	ND (0.11)	--	ND (3.2)	--	**ND (2.7)**	--
04037	LWDS-SS-32	0	0.188	0.06	ND (0.0614)	--	ND (2.7)	--	ND (2.18)	--
04036	LWDS-SS-33	0	ND (0.101)	--	ND (0.0544)	--	ND (2.46)	--	ND (1.79)	--
04051	LWDS-SS-34	0	0.2	0.1	ND (0.17)	--	ND (4.1)	--	**ND (2.9)**	--
04048	LWDS-SS-35	0	0.19	0.07	ND (0.0716)	--	ND (2)	--	ND (1.7)	--
04040	LWDS-SS-36	0	**1.1**	0.2	**0.4**	0.1	ND (7.7)	--	**ND (5.5)**	--
04041	LWDS-SS-36	0	**1**	0.2	**0.23**	0.08	4	2	**ND (3.4)**	--
04045	LWDS-SS-36[d]	0	ND (0.2)	--	ND (0.24)	--	6.8	3.1	**ND (3.9)**	--
04043	LWDS-SS-37	0	0.18	0.05	ND (0.086)	--	ND (2.9)	--	ND (2.2)	--
4046	LWDS-SS-38	0	**0.84**	0.12	**0.24**	0.09	ND (4.2)	--	**ND (3.1)**	--
4039	LWDS-SS-39	0	**3.5**	0.4	**0.7**	0.2	ND (7.79)	--	**ND (2.99)**	--
4162	LWDS-SS-39	0	**2.3**	0.3	**0.9**	0.2	12	5	**ND (5)**	--
04037	LWDS-SS-40	0	0.238	0.07	ND (0.121)	--	4.99	2.29	**ND (2.56)**	--
Background Activity (surface/subsurface)[c]			0.664/0.079	--	NA	--	NA	--	2.30/1.76	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)							
Record Number[a]	ER Sample ID	Sample Depth (ft)	Cesium-137		Cobalt-60		Lead-210		Radium-226	
			Result	Error[b]	Result	Error[b]	Result	Error[b]	Result	Error[b]
04034	LWDS-SS-41	0	ND (0.0991)	--	ND (0.0481)	--	ND (2.56)	--	ND (2.13)	--
04035	LWDS-SS-41	0	ND (0.0686)	--	ND (0.0418)	--	ND (2.67)	--	ND (1.97)	--
04050	LWDS-SS-42	0	0.13	0.05	ND (0.11)	--	ND (2.8)	--	ND (2.3)	--
04048	LWDS-SS-43	0	0.2	0.05	ND (0.0742)	--	ND (2.74)	--	ND (1.97)	--
04040	LWDS-SS-44	0	ND (0.11)	--	ND (0.12)	--	ND (3.6)	--	**ND (2.5)**	--
04043	LWDS-SS-45	0	0.18	0.07	ND (0.11)	--	ND (3.9)	--	ND (2.2)	--
4046	LWDS-SS-46	0	ND (0.09)	--	ND (0.044)	--	ND (2.8)	--	ND (2.3)	--
4163	LWDS-SS-47	0	0.2	0.1	ND (0.14)	--	ND (3.07)	--	**ND (2.35)**	--
04038	LWDS-SS-48	0	0.315	0.07	ND (0.113)	--	ND (3.05)	--	ND (2.28)	--
4162	LWDS-SS-HS	1	**7.7**	0.6	**10.2**	0.8	ND (6.81)	--	**ND (7.37)**	--
4164	LWDS-SS-HS	0	**2.7**	0.3	**3.4**	0.3	ND (4.51)	--	**ND (5.1)**	--
Background Activity (surface/subsurface)[c]			0.664/0.079	--	NA	--	NA	--	2.30/1.76	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)					
Record Number[a]	ER Sample ID	Sample Depth (ft)	Thorium-232		Uranium-235		Uranium-238	
			Result	Error[b]	Result	Error[b]	Result	Error[b]
04401	LWDS-04-BH01	5	NR	--	ND (0.0827)	--	NR	--
04401	LWDS-04-BH01	10	NR	--	ND (0.0903)	--	NR	--
04401	LWDS-04-BH01	15	NR	--	ND (0.061)	--	NR	--
04401	LWDS-04-BH01	20	NR	--	ND (0.0844)	--	NR	--
04430	LWDS-04-BH01	25	NR	--	ND (0.0873)	--	NR	--
04430	LWDS-04-BH01	30	NR	--	ND (0.0814)	--	NR	--
04430	LWDS-04-BH01	35	NR	--	ND (0.0889)	--	NR	--
04430	LWDS-04-BH01	35	NR	--	ND (0.0866)	--	NR	--
04429	LWDS-04-BH01	40	NR	--	ND (0.0802)	--	NR	--
04429	LWDS-04-BH01	45	NR	--	ND (0.0728)	--	NR	--
04429	LWDS-04-BH01	50	NR	--	0.0721	--	NR	--
04429	LWDS-04-BH01	55	NR	--	ND (0.0752)	--	NR	--
04428	LWDS-04-BH01	60	NR	--	ND (0.0751)	--	NR	--
04425	LWDS-04-BH01	75	NR	--	0.0646	--	NR	--
04425	LWDS-04-BH01	80	NR	--	ND (0.0854)	--	NR	--
04425	LWDS-04-BH01	85	NR	--	ND (0.0838)	--	NR	--
04424	LWDS-04-BH01	90	NR	--	ND (0.0795)	--	NR	--
04424	LWDS-04-BH01	95	NR	--	ND (0.0511)	--	NR	--
04424	LWDS-04-BH01	95(D)	NR	--	ND (0.0538)	--	NR	--
04402	LWDS-04-BH02	5	NR	--	0.0811	--	NR	--
04402	LWDS-04-BH02	10	NR	--	0.0807	--	NR	--
04402	LWDS-04-BH02	15	NR	--	0.0683	--	NR	--
04402	LWDS-04-BH02	20	NR	--	0.0593	--	NR	--
04423	LWDS-04-BH02	25	NR	--	0.0559	--	NR	--
04423	LWDS-04-BH02	30	NR	--	0.0866	--	NR	--
04423	LWDS-04-BH02	35	NR	--	0.0818	--	NR	--
04423	LWDS-04-BH02	40	NR	--	0.0618	--	NR	--
04421	LWDS-04-BH02	45	NR	--	ND (0.0683)	--	NR	--
04421	LWDS-04-BH02	50	NR	--	ND (0.0835)	--	NR	--
04421	LWDS-04-BH02	50	NR	--	ND (0.0845)	--	NR	--
04421	LWDS-04-BH02	70	NR	--	ND (0.0622)	--	NR	--
04420	LWDS-04-BH02	75	NR	--	ND (0.0814)	--	NR	--
04420	LWDS-04-BH02	75(D)	NR	--	ND (0.118)	--	NR	--
04420	LWDS-04-BH02	80	NR	--	ND (0.0933)	--	NR	--
04403	LWDS-04-BH02	85	NR	--	ND (0.0642)	--	NR	--
Background Activity[c]			1.01	--	0.16	--	1.4	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)					
			Thorium-232		Uranium-235		Uranium-238	
Record Number[a]	ER Sample ID	Sample Depth (ft)	Result	Error[b]	Result	Error[b]	Result	Error[b]
04403	LWDS-04-BH02	90	NR	--	ND (0.076)	--	NR	--
04403	LWDS-04-BH02	95	NR	--	ND (0.0846)	--	NR	--
04403	LWDS-04-BH02	95	NR	--	ND (0.0776)	--	NR	--
04404	LWDS-04-BH02	100	NR	--	ND (0.0809)	--	NR	--
4417	LWDS-04-BH03	5	NR	--	ND (0.0878)	--	NR	--
4417	LWDS-04-BH03	10	NR	--	ND (0.0549)	--	NR	--
4417	LWDS-04-BH03	15	NR	--	ND (0.0845)	--	NR	--
4416	LWDS-04-BH03	20	NR	--	ND (0.0571)	--	NR	--
4417	LWDS-04-BH03	20	NR	--	ND (0.0605)	--	NR	--
4416	LWDS-04-BH03	25	NR	--	ND (0.0685)	--	NR	--
4416	LWDS-04-BH03	30	NR	--	ND (0.0713)	--	NR	--
4416	LWDS-04-BH03	35	NR	--	ND (0.0752)	--	NR	--
4415	LWDS-04-BH03	41	NR	--	ND (0.086)	--	NR	--
4415	LWDS-04-BH03	45	NR	--	ND (0.0475)	--	NR	--
4415	LWDS-04-BH03	50	NR	--	ND (0.0537)	--	NR	--
4415	LWDS-04-BH03	54	NR	--	ND (0.0748)	--	NR	--
4414	LWDS-04-BH03	60	NR	--	ND (0.0857)	--	NR	--
4414	LWDS-04-BH03	65	NR	--	ND (0.061)	--	NR	--
4414	LWDS-04-BH03	70	NR	--	ND (0.0765)	--	NR	--
4412	LWDS-04-BH03	80	NR	--	ND (0.139)	--	NR	--
4414	LWDS-04-BH03	80	NR	--	ND (0.0834)	--	NR	--
4412	LWDS-04-BH03	85	NR	--	ND (0.0831)	--	NR	--
4407	LWDS-04-BH04	5	NR	--	ND (0.0725)	--	NR	--
4407	LWDS-04-BH04	10	NR	--	ND (0.0925)	--	NR	--
4407	LWDS-04-BH04	15	NR	--	ND (0.0871)	--	NR	--
4407	LWDS-04-BH04	20	NR	--	ND (0.0833)	--	NR	--
4406	LWDS-04-BH04	25	NR	--	ND (0.0728)	--	NR	--
4406	LWDS-04-BH04	30	NR	--	ND (0.0605)	--	NR	--
4406	LWDS-04-BH04	35	NR	--	ND (0.0596)	--	NR	--
4406	LWDS-04-BH04	35	NR	--	ND (0.0563)	--	NR	--
4494	LWDS-04-BH04	40	NR	--	ND (0.0615)	--	NR	--
4494	LWDS-04-BH04	45	NR	--	ND (0.0603)	--	NR	--
4493	LWDS-04-BH04	50	NR	--	ND (0.0504)	--	NR	--
4493	LWDS-04-BH04	56	NR	--	ND (0.0759)	--	NR	--
4493	LWDS-04-BH04	60	NR	--	ND (0.0599)	--	NR	--
Background Activity[c]			1.01	--	0.16	--	1.4	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)					
Record Number[a]	ER Sample ID	Sample Depth (ft)	Thorium-232		Uranium-235		Uranium-238	
			Result	Error[b]	Result	Error[b]	Result	Error[b]
4493	LWDS-04-BH04	65	NR	--	ND (0.0716)	--	NR	--
4492	LWDS-04-BH04	70	NR	--	ND (0.0802)	--	NR	--
4492	LWDS-04-BH04	70	NR	--	ND (0.0786)	--	NR	--
4492	LWDS-04-BH04	74	NR	--	ND (0.0735)	--	NR	--
4492	LWDS-04-BH04	80	NR	--	ND (0.0764)	--	NR	--
4522	LWDS-04-BH04	84	NR	--	ND (0.122)	--	NR	--
4522	LWDS-04-BH04	90	NR	--	**ND (0.171)**	--	NR	--
4522	LWDS-04-BH04	95	NR	--	ND (0.12)	--	NR	--
4491	LWDS-04-BH04	100	NR	--	ND (0.112)	--	NR	--
4546	LWDS-04-BH05	5	NR	--	ND (0.155)	--	NR	--
4546	LWDS-04-BH05	10	NR	--	**ND (0.166)**	--	NR	--
4546	LWDS-04-BH05	15	NR	--	ND (0.0981)	--	NR	--
4546	LWDS-04-BH05	20	NR	--	ND (0.131)	--	NR	--
4523	LWDS-04-BH05	24	NR	--	ND (0.109)	--	NR	--
4523	LWDS-04-BH05	29	NR	--	ND (0.143)	--	NR	--
4523	LWDS-04-BH05	35	NR	--	ND (0.137)	--	NR	--
4523	LWDS-04-BH05	35	NR	--	ND (0.14)	--	NR	--
4525	LWDS-04-BH05	40	NR	--	ND (0.108)	--	NR	--
4525	LWDS-04-BH05	45	NR	--	ND (0.127)	--	NR	--
4525	LWDS-04-BH05	50	NR	--	ND (0.103)	--	NR	--
4525	LWDS-04-BH05	55	NR	--	ND (0.122)	--	NR	--
4526	LWDS-04-BH05	59	NR	--	ND (0.118)	--	NR	--
4526	LWDS-04-BH05	65	NR	--	ND (0.155)	--	NR	--
4526	LWDS-04-BH05	69	NR	--	ND (0.144)	--	NR	--
4526	LWDS-04-BH05	75	NR	--	ND (0.128)	--	NR	--
4527	LWDS-04-BH05	80	NR	--	ND (0.113)	--	NR	--
4527	LWDS-04-BH05	80	NR	--	ND (0.128)	--	NR	--
4527	LWDS-04-BH05	86	NR	--	ND (0.141)	--	NR	--
4528	LWDS-04-BH05	90	NR	--	**ND (0.173)**	--	NR	--
4528	LWDS-04-BH05	94	NR	--	ND (0.114)	--	NR	--
4528	LWDS-04-BH05	100	NR	--	ND (0.14)	--	NR	--
508686	LWDS-04-BH09	5	NR	--	**1.4**	0.18	NR	--
508686	LWDS-04-BH09	10	0.81	0.33	NR	--	NR	--
508686	LWDS-04-BH09	15	0.41	0.17	NR	--	NR	--
508686	LWDS-04-BH09	20	0.45	0.18	NR	--	NR	--
Background Activity[c]			1.01	--	0.16	--	1.4	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)					
			Thorium-232		Uranium-235		Uranium-238	
Record Number[a]	ER Sample ID	Sample Depth (ft)	Result	Error[b]	Result	Error[b]	Result	Error[b]
508686	LWDS-04-BH09	26	0.73	0.23	NR	--	NR	--
508686	LWDS-04-BH09	30	0.44	0.2	NR	--	NR	--
508686	LWDS-04-BH09	35	0.53	0.2	NR	--	NR	--
508686	LWDS-04-BH09	40	0.59	0.21	NR	--	NR	--
508686	LWDS-04-BH09	45	0.62	0.32	NR	--	NR	--
508686	LWDS-04-BH09	50	0.68	0.25	NR	--	NR	--
508421	LWDS-04-BH09-30	30	0.537	0.127	ND (0.0288)	--	ND (0.368)	--
508602	LWDS-04-BH09-50	50	0.578	0.134	ND (0.0316)	--	ND (0.36)	--
508424	LWDS-04-BH10	5	0.58	0.2	**0.17**	0.063	NR	--
508424	LWDS-04-BH10	10	0.88	0.29	NR	--	NR	--
508424	LWDS-04-BH10	15	0.95	0.32	NR	--	NR	--
508424	LWDS-04-BH10	15	0.93	0.38	NR	--	NR	--
508424	LWDS-04-BH10	20	0.5	0.22	NR	--	NR	--
508424	LWDS-04-BH10	25	0.56	0.24	NR	--	NR	--
508601	LWDS-04-BH10-10	10	0.659	0.0654	ND (0.03499)	--	ND (0.39137)	--
508601	LWDS-04-BH10-20	20	0.504	0.058	ND (0.02654)	--	ND (0.31317)	--
02033	LWDS-04-BH17-0	0	0.864	0.244	ND (0.0793)	--	ND (0.739)	--
02033	LWDS-04-BH17-05	5	0.928	0.183	ND (0.0541)	--	ND (0.549)	--
02033	LWDS-04-BH17-10	10	0.77	0.183	ND (0.0486)	--	1.4	0.698
02033	LWDS-04-BH17-15	15	0.598	0.123	ND (0.034)	--	1.1	0.482
02033	LWDS-04-BH17-20	20	0.84	0.195	ND (0.0477)	--	ND (0.522)	--
02033	LWDS-04-BH17-25	25	0.879	0.14	ND (0.0376)	--	1.27	0.432
02033	LWDS-04-BH17-35	35	0.602	0.169	ND (0.0428)	--	ND (0.485)	--
02033	LWDS-04-BH17-42	42	0.65	0.125	ND (0.0325)	--	ND (0.34)	--
02033	LWDS-04-BH17-47	47	0.688	0.12	ND (0.0358)	--	ND (0.42)	--
02033	LWDS-04-BH17-54	54	0.767	0.161	ND (0.0393)	--	ND (0.464)	--
02033	LWDS-04-BH17-59	59	0.96	0.16	ND (0.0501)	--	1.39	0.606
02036	LWDS-04-BH18-0	0	0.573	0.199	ND (0.0488)	--	ND (0.469)	--
02036	LWDS-04-BH18-05	5	0.907	0.189	ND (0.057)	--	ND (0.535)	--
02036	LWDS-04-BH18-10	10	0.706	0.195	ND (0.0518)	--	ND (0.585)	--
02036	LWDS-04-BH18-15	15	**1.18**	0.207	ND (0.0623)	--	ND (0.664)	--
02036	LWDS-04-BH18-15	15	**1.12**	0.215	ND (0.0556)	--	ND (0.64)	--
02036	LWDS-04-BH18-20	20	0.675	0.154	ND (0.042)	--	ND (0.462)	--
02036	LWDS-04-BH18-25	25	0.654	0.166	ND (0.049)	--	ND (0.499)	--
02036	LWDS-04-BH18-30	30	0.61	0.167	ND (0.0386)	--	ND (0.438)	--
Background Activity[c]			1.01	--	0.16	--	1.4	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)					
Record Number[a]	ER Sample ID	Sample Depth (ft)	Thorium-232		Uranium-235		Uranium-238	
			Result	Error[b]	Result	Error[b]	Result	Error[b]
4480	LWDS-MW2	100.5	NR	--	ND (0.147)	--	NR	--
4480	LWDS-MW2	110.6	NR	--	ND (0.131)	--	NR	--
4741	LWDS-MW2	118	NR	--	ND (0.0962)	--	NR	--
4724	LWDS-MW2	125	NR	--	ND (0.123)	--	NR	--
4599	LWDS-MW2	130	NR	--	ND (0.0883)	--	NR	--
4599	LWDS-MW2	140	NR	--	ND (0.106)	--	NR	--
4724	LWDS-MW2	164	NR	--	ND (0.11)	--	NR	--
4724	LWDS-MW2	175	NR	--	ND (0.108)	--	NR	--
4725	LWDS-MW2	187	NR	--	ND (0.123)	--	NR	--
4727	LWDS-MW2	225	NR	--	ND (0.103)	--	NR	--
4739	LWDS-MW2	250	NR	--	ND (0.101)	--	NR	--
4738	LWDS-MW2	275	NR	--	ND (0.0726)	--	NR	--
4738	LWDS-MW2	300	NR	--	ND (0.115)	--	NR	--
4738	LWDS-MW2	300(D)	NR	--	ND (0.121)	--	NR	--
4736	LWDS-MW2	325	NR	--	ND (0.092)	--	NR	--
4600	LWDS-MW2	350	NR	--	ND (0.134)	--	NR	--
4601	LWDS-MW2	378	NR	--	ND (0.0869)	--	NR	--
4614	LWDS-MW2	400	NR	--	ND (0.0999)	--	NR	--
4603	LWDS-MW2	430	NR	--	ND (0.111)	--	NR	--
4604	LWDS-MW2	434	NR	--	ND (0.0795)	--	NR	--
4604	LWDS-MW2	449	NR	--	ND (0.121)	--	NR	--
4605	LWDS-MW2	475	NR	--	ND (0.104)	--	NR	--
4605	LWDS-MW2	490	NR	--	ND (0.123)	--	NR	--
4606	LWDS-MW2	530	NR	--	ND (0.0866)	--	NR	--
04123	LWDS-SS-1	0	NR	--	ND (0.153)	--	NR	--
04032	LWDS-SS-2	0	NR	--	ND (0.138)	--	NR	--
04122	LWDS-SS-3	0	NR	--	ND (0.142)	--	NR	--
04032	LWDS-SS-4	0	NR	--	ND (0.141)	--	NR	--
04031	LWDS-SS-5	0	NR	--	ND (0.138)	--	NR	--
04123	LWDS-SS-6	0	NR	--	ND (0.142)	--	NR	--
04031	LWDS-SS-7	0	NR	--	ND (0.12)	--	NR	--
04132	LWDS-SS-8	0	NR	--	ND (0.143)	--	NR	--
04035	LWDS-SS-9	0	NR	--	ND (0.15)	--	NR	--
04052	LWDS-SS-10	0	NR	--	ND (0.13)	--	NR	--
04050	LWDS-SS-11	0	NR	--	ND (0.14)	--	NR	--
Background Activity[c]			1.01	--	0.16	--	1.4	--

Refer to footnotes at end of table.

Table A-9 (Continued)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)					
			Thorium-232		Uranium-235		Uranium-238	
Record Number[a]	ER Sample ID	Sample Depth (ft)	Result	Error[b]	Result	Error[b]	Result	Error[b]
04042	LWDS-SS-12	0	NR	--	ND (0.16)	--	NR	--
04045	LWDS-SS-13	0	NR	--	ND (0.14)	--	NR	--
4053	LWDS-SS-14	0	NR	--	ND (0.14)	--	NR	--
4163	LWDS-SS-15	0	NR	--	**ND (0.171)**	--	NR	--
04033	LWDS-SS-16	0	NR	--	ND (0.145)	--	NR	--
04036	LWDS-SS-17	0	NR	--	**ND (0.169)**	--	NR	--
04052	LWDS-SS-18	0	NR	--	ND (0.16)	--	NR	--
04049	LWDS-SS-19	0	NR	--	**ND (0.19)**	--	NR	--
04042	LWDS-SS-20	0	NR	--	**ND (0.17)**	--	NR	--
04044	LWDS-SS-21	0	NR	--	ND (0.16)	--	NR	--
4047	LWDS-SS-22	0	NR	--	ND (0.14)	--	NR	--
4053	LWDS-SS-23	0	NR	--	**ND (0.23)**	--	NR	--
4054	LWDS-SS-23	0	NR	--	**0.42**	0.13	NR	--
04033	LWDS-SS-24	0	NR	--	ND (0.153)	--	NR	--
04034	LWDS-SS-25	0	NR	--	ND (0.142)	--	NR	--
04051	LWDS-SS-26	0	NR	--	**ND (0.21)**	--	NR	--
04049	LWDS-SS-27	0	NR	--	**0.78**	0.21	NR	--
04041	LWDS-SS-28	0	NR	--	**0.2**	0.2	NR	--
04044	LWDS-SS-29	0	NR	--	ND (0.16)	--	NR	--
4047	LWDS-SS-30	0	NR	--	**ND (0.22)**	--	NR	--
4039	LWDS-SS-31	0	NR	--	**ND (0.175)**	--	NR	--
4054	LWDS-SS-31	0	NR	--	**ND (0.17)**	--	NR	--
04037	LWDS-SS-32	0	NR	--	ND (0.141)	--	NR	--
04036	LWDS-SS-33	0	NR	--	ND (0.115)	--	NR	--
04051	LWDS-SS-34	0	NR	--	**ND (0.18)**	--	NR	--
04048	LWDS-SS-35	0	NR	--	ND (0.11)	--	NR	--
04040	LWDS-SS-36	0	NR	--	**ND (0.38)**	--	NR	--
04041	LWDS-SS-36	0	NR	--	**ND (0.23)**	--	NR	--
04045	LWDS-SS-36[d]	0	NR	--	**ND (0.25)**	--	NR	--
04043	LWDS-SS-37	0	NR	--	0.15	0.06	NR	--
4046	LWDS-SS-38	0	NR	--	**ND (0.2)**	--	NR	--
4039	LWDS-SS-39	0	NR	--	**0.2**	0.1	NR	--
4162	LWDS-SS-39	0	NR	--	**0.3**	0.2	NR	--
04037	LWDS-SS-40	0	NR	--	**ND (0.166)**	--	NR	--
04034	LWDS-SS-41	0	NR	--	ND (0.133)	--	NR	--
Background Activity[c]			1.01	--	0.16	--	1.4	--

Refer to footnotes at end of table.

Table A-9 (Concluded)
Summary of SWMU 4 Soil Sampling, Gamma Spectroscopy Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)					
Record Number[a]	ER Sample ID	Sample Depth (ft)	Thorium-232		Uranium-235		Uranium-238	
			Result	Error[b]	Result	Error[b]	Result	Error[b]
04035	LWDS-SS-41	0	NR	--	ND (0.121)	--	NR	--
04050	LWDS-SS-42	0	NR	--	ND (0.15)	--	NR	--
04048	LWDS-SS-43	0	NR	--	ND (0.127)	--	NR	--
04040	LWDS-SS-44	0	NR	--	ND (0.15)	--	NR	--
04043	LWDS-SS-45	0	NR	--	ND (0.14)	--	NR	--
4046	LWDS-SS-46	0	NR	--	ND (0.14)	--	NR	--
4163	LWDS-SS-47	0	NR	--	ND (0.147)	--	NR	--
04038	LWDS-SS-48	0	NR	--	ND (0.146)	--	NR	--
4162	LWDS-SS-HS	1	NR	--	**3**	0.3	NR	--
4164	LWDS-SS-HS	0	NR	--	**1.5**	0.2	NR	--
Background Activity[c]			1.01	--	0.16	--	1.4	--

Note: Values in **bold** exceed background soil activities for all radionuclides except cobalt-60. Cobalt-60 is not naturally occurring therefore **bold** values indicate detections.

[a]Analysis request/chain-of-custody record.

[b]Two standard deviations about the mean detected activity.

[c]Dinwiddie September 1997, Southwest Area Supergroup.

[d]Soil sample collected at drain outfall in Impoundment 2; this sample was located in Grid 35 on maps but included with samples collected in Grid 36.

ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
NA = Not applicable.
ND ( ) = Not detected above the reporting limit, shown in parentheses.
NR = Not reported.
pCi/g = Picocurie(s) per gram.
-- = Not applicable.

Table A-10
Summary of SWMU 4 Soil Sampling
Tritium Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)		Activity (pCi/L)	
Record Number[a]	ER Sample ID	Sample Depth (ft)	Result	Error[b]	Result	Error[b]
04401	LWDS-04-BH01	5	0	0.2	NR	--
04401	LWDS-04-BH01	10	0	0.2	NR	--
04401	LWDS-04-BH01	15	0	0.2	NR	--
04401	LWDS-04-BH01	20	**0.1**	0.2	NR	--
04430	LWDS-04-BH01	25	**0.1**	0.2	NR	--
04430	LWDS-04-BH01	30	0	0.2	NR	--
04430	LWDS-04-BH01	35	0	0.2	NR	--
04430	LWDS-04-BH01	35 (D)	**0.1**	0.2	NR	--
04429	LWDS-04-BH01	40	0	0.2	NR	--
04429	LWDS-04-BH01	45	0	0.2	NR	--
04429	LWDS-04-BH01	50	-0.1	0.2	NR	--
04429	LWDS-04-BH01	55	-0.1	0.2	NR	--
04428	LWDS-04-BH01	60	-0.1	0.2	NR	--
04425	LWDS-04-BH01	75	0	0.2	NR	--
04425	LWDS-04-BH01	80	-0.2	0.2	NR	--
04425	LWDS-04-BH01	85	**0.1**	0.2	NR	--
04424	LWDS-04-BH01	90	-0.1	0.2	NR	--
04424	LWDS-04-BH01	95	0.1	0.2	NR	--
04424	LWDS-04-BH01	95 (D)	-0.1	0.2	NR	--
04402	LWDS-04-BH02	5	0	0.3	NR	--
04402	LWDS-04-BH02	10	**0.2**	0.2	NR	--
04402	LWDS-04-BH02	15	0	0.2	NR	--
04402	LWDS-04-BH02	20	**0.2**	0.3	NR	--
04423	LWDS-04-BH02	25	**0.1**	0.2	NR	--
04423	LWDS-04-BH02	30	0	0.2	NR	--
04423	LWDS-04-BH02	35	-0.1	0.2	NR	--
04423	LWDS-04-BH02	40	0	0.2	NR	--
04421	LWDS-04-BH02	45	0	0.2	NR	--
04421	LWDS-04-BH02	50	**0.1**	0.2	NR	--
04421	LWDS-04-BH02	50 (D)	**0.2**	0.2	NR	--
04421	LWDS-04-BH02	70	0	0.2	NR	--
04420	LWDS-04-BH02	75	-0.1	0.2	NR	--
04420	LWDS-04-BH02	75 (D)	-0.1	0.2	NR	--
04420	LWDS-04-BH02	80	-0.1	0.3	NR	--
04403	LWDS-04-BH02	85	-0.2	0.2	NR	--
04403	LWDS-04-BH02	90	0	0.2	NR	--
04403	LWDS-04-BH02	95	-0.1	0.2	NR	--
04403	LWDS-04-BH02	95 (D)	-0.1	0.2	NR	--
04404	LWDS-04-BH02	100	-0.2	0.2	NR	--
4417	LWDS-04-BH03	5	-0.1	0.2	NR	--
4417	LWDS-04-BH03	10	0	0.2	NR	--
4417	LWDS-04-BH03	15	**0.1**	0.2	NR	--
4416	LWDS-04-BH03	20	0	0.2	NR	--
4417	LWDS-04-BH03	20	0	0.2	NR	--
4416	LWDS-04-BH03	25	-0.1	0.2	NR	--
4416	LWDS-04-BH03	30	**0.1**	0.2	NR	--
4416	LWDS-04-BH03	35	0	0.2	NR	--
4415	LWDS-04-BH03	41	0	0.2	NR	--
4415	LWDS-04-BH03	45	0	0.2	NR	--
4415	LWDS-04-BH03	50	0	0.2	NR	--
4415	LWDS-04-BH03	54	0	0.2	NR	--
4414	LWDS-04-BH03	60	0	0.2	NR	--
4414	LWDS-04-BH03	65	-0.3	0.2	NR	--
4414	LWDS-04-BH03	70	-0.2	0.2	NR	--
Background Activity[c]			0.021	NA	420	NA

Refer to footnotes at end of table.

Table A-10 (Continued)
Summary of SWMU 4 Soil Sampling
Tritium Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)		Activity (pCi/L)	
Record Number[a]	ER Sample ID	Sample Depth (ft)	Result	Error[b]	Result	Error[b]
4412	LWDS-04-BH03	80	-0.1	0.2	NR	--
4414	LWDS-04-BH03	80	-0.2	0.2	NR	--
4412	LWDS-04-BH03	85	-0.1	0.2	NR	--
4407	LWDS-04-BH04	5	-0.1	0.2	NR	--
4407	LWDS-04-BH04	10	0	0.2	NR	--
4407	LWDS-04-BH04	15	**0.1**	0.3	NR	--
4407	LWDS-04-BH04	20	-0.1	0.2	NR	--
4406	LWDS-04-BH04	25	-0.1	0.2	NR	--
4406	LWDS-04-BH04	30	-0.1	0.2	NR	--
4406	LWDS-04-BH04	35	**0.1**	0.2	NR	--
4406	LWDS-04-BH04	35 (D)	**0.2**	0.2	NR	--
4494	LWDS-04-BH04	40	**0.1**	0.2	NR	--
4494	LWDS-04-BH04	45	-0.2	0.4	NR	--
4493	LWDS-04-BH04	50	0	0.3	NR	--
4493	LWDS-04-BH04	56	0	0.2	NR	--
4493	LWDS-04-BH04	60	0	0.2	NR	--
4493	LWDS-04-BH04	65	0	0.2	NR	--
4492	LWDS-04-BH04	70	**0.1**	0.2	NR	--
4492	LWDS-04-BH04	70 (D)	-0.1	0.2	NR	--
4492	LWDS-04-BH04	74	0	0.2	NR	--
4492	LWDS-04-BH04	80	0	0.2	NR	--
4522	LWDS-04-BH04	84	-0.1	0.2	NR	--
4522	LWDS-04-BH04	90	-0.1	0.2	NR	--
4522	LWDS-04-BH04	95	0.1	0.2	NR	--
4491	LWDS-04-BH04	100	-0.1	0.2	NR	--
4546	LWDS-04-BH05	5	0	0.3	NR	--
4546	LWDS-04-BH05	10	**0.1**	0.3	NR	--
4546	LWDS-04-BH05	15	-0.1	0.3	NR	--
4546	LWDS-04-BH05	20	0	0.3	NR	--
4523	LWDS-04-BH05	24	0	0.3	NR	--
4523	LWDS-04-BH05	29	-0.2	0.3	NR	--
4523	LWDS-04-BH05	35	**0.1**	0.3	NR	--
4523	LWDS-04-BH05	35 (D)	0	0.3	NR	--
4525	LWDS-04-BH05	40	0	0.3	NR	--
4525	LWDS-04-BH05	45	0	0.3	NR	--
4525	LWDS-04-BH05	50	**0.2**	0.3	NR	--
4525	LWDS-04-BH05	55	**0.1**	0.3	NR	--
4526	LWDS-04-BH05	59	-0.1	0.3	NR	--
4526	LWDS-04-BH05	65	0	0.3	NR	--
4526	LWDS-04-BH05	69	**0.1**	0.3	NR	--
4526	LWDS-04-BH05	75	0	0.3	NR	--
4527	LWDS-04-BH05	80	0	0.3	NR	--
4527	LWDS-04-BH05	80 (D)	0	0.3	NR	--
4527	LWDS-04-BH05	86	-0.1	0.3	NR	--
4528	LWDS-04-BH05	90	0	0.3	NR	--
4528	LWDS-04-BH05	94	-0.1	0.3	NR	--
4528	LWDS-04-BH05	100	**0.1**	--	NR	--
508686	LWDS-04-BH09	5	NR	--	320	190
508686	LWDS-04-BH09	10	NR	--	240	150
508686	LWDS-04-BH09	15	NR	--	250	150
508686	LWDS-04-BH09	20	NR	--	**470**	190
508686	LWDS-04-BH09	26	NR	--	ND (220)	--
Background Activity[c]			0.021	NA	420	NA

Refer to footnotes at end of table.

Table A-10 (Continued)
Summary of SWMU 4 Soil Sampling
Tritium Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)		Activity (pCi/L)	
Record Number[a]	ER Sample ID	Sample Depth (ft)	Result	Error[b]	Result	Error[b]
508686	LWDS-04-BH09	30	NR	--	**ND (450)**	--
508686	LWDS-04-BH09	35	NR	--	ND (240)	--
508686	LWDS-04-BH09	40	NR	--	240	160
508686	LWDS-04-BH09	40 (D)	NR	--	44	150
508686	LWDS-04-BH09	45	NR	--	ND (130)	--
508689	LWDS-04-BH09	50	NR	--	ND (56)	--
508424	LWDS-04-BH10	10	NR	--	ND (150)	--
508424	LWDS-04-BH10	15	NR	--	ND (49)	--
508424	LWDS-04-BH10	15 (D)	NR	--	ND (200)	--
508424	LWDS-04-BH10	20	NR	--	ND (95)	--
508424	LWDS-04-BH10	25	NR	--	ND (220)	--
02032	LWDS-04-BH17-05	5	NR	--	ND (180)	--
02032	LWDS-04-BH17-10	10	NR	--	ND (210)	--
02032	LWDS-04-BH17-15	15	NR	--	260	150
02032	LWDS-04-BH17-20	20	NR	--	390	150
02032	LWDS-04-BH17-25	25	NR	--	350	150
02032	LWDS-04-BH17-35	35	NR	--	ND (180)	--
02032	LWDS-04-BH17-42	42	NR	--	310	150
02032	LWDS-04-BH17-47	47	NR	--	ND (64)	--
02032	LWDS-04-BH17-54	54	NR	--	ND (64)	--
02032	LWDS-04-BH17-59	59	NR	--	ND (12)	--
02035	LWDS-04-BH18-0	0	NR	--	ND (-120)	--
02035	LWDS-04-BH18-05	5	NR	--	ND (180)	--
02035	LWDS-04-BH18-10	10	NR	--	ND (200)	--
02035	LWDS-04-BH18-15	15	NR	--	ND (65)	--
02035	LWDS-04-BH18-15	15	NR	--	ND (160)	--
02035	LWDS-04-BH18-20	20	NR	--	ND (81)	--
02035	LWDS-04-BH18-25	25	NR	--	ND (130)	--
02035	LWDS-04-BH18-30	30	NR	--	ND (140)	--
4480	LWDS-MW2	100.5	0	0.3	NR	--
4480	LWDS-MW2	110.6	0	0.3	NR	--
4741	LWDS-MW2	118	0	0.2	NR	--
4724	LWDS-MW2	125	-0.1	0.2	NR	--
4599	LWDS-MW2	130	0	0.2	NR	--
4599	LWDS-MW2	140	-0.1	0.2	NR	--
4724	LWDS-MW2	164	-0.2	0.3	NR	--
4724	LWDS-MW2	175	**0.2**	0.3	NR	--
4725	LWDS-MW2	187	**0.1**	0.2	NR	--
4727	LWDS-MW2	225	-0.2	0.2	NR	--
4739	LWDS-MW2	250	-0.1	0.2	NR	--
4738	LWDS-MW2	275	0	0.3	NR	--
4738	LWDS-MW2	300	0	0.3	NR	--
4738	LWDS-MW2	300(D)	-0.1	0.2	NR	--
4736	LWDS-MW2	325	-0.1	0.2	NR	--
4600	LWDS-MW2	350	0	--	NR	--
4601	LWDS-MW2	378	**0.1**	0.2	NR	--
4614	LWDS-MW2	400	-0.1	0.2	NR	--
4603	LWDS-MW2	430	0	0.2	NR	--
4604	LWDS-MW2	434	-0.1	0.3	NR	--
4604	LWDS-MW2	449	**0.3**	0.3	NR	--
4605	LWDS-MW2	475	0	0.3	NR	--
4605	LWDS-MW2	490	**0.2**	0.3	NR	--
4606	LWDS-MW2	530	0	0.3	NR	--
04123	LWDS-SS-1	0	-0.1	0.3	NR	--
Background Activity[c]			0.021	NA	420	NA

Refer to footnotes at end of table.

Table A-10 (Continued)
Summary of SWMU 4 Soil Sampling
Tritium Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)		Activity (pCi/L)	
Record Number[a]	ER Sample ID	Sample Depth (ft)	Result	Error[b]	Result	Error[b]
04032	LWDS-SS-2	0	-0.1	0.3	NR	--
04122	LWDS-SS-3	0	-0.1	0.3	NR	--
04032	LWDS-SS-4	0	-0.1	0.3	NR	--
04031	LWDS-SS-5	0	0	0.3	NR	--
04123	LWDS-SS-6	0	**0.1**	0.3	NR	--
04031	LWDS-SS-7	0	-0.2	0.3	NR	--
04132	LWDS-SS-8	0	-0.2	0.3	NR	--
04035	LWDS-SS-9	0	0	0.3	NR	--
04052	LWDS-SS-10	0	0	0.3	NR	--
04050	LWDS-SS-11	0	**0.1**	0.3	NR	--
04042	LWDS-SS-12	0	**0.1**	0.3	NR	--
04045	LWDS-SS-13	0	0	0.3	NR	--
4053	LWDS-SS-14	0	**0.1**	0.3	NR	--
4163	LWDS-SS-15	0	0	0.2	NR	--
04033	LWDS-SS-16	0	-0.1	0.3	NR	--
04033	LWDS-SS-16	0	-0.1	0.3	NR	--
04036	LWDS-SS-17	0	0	0.3	NR	--
04052	LWDS-SS-18	0	**0.2**	0.3	NR	--
04049	LWDS-SS-19	0	**0.1**	0.3	NR	--
04042	LWDS-SS-20	0	**0.5**	0.3	NR	--
04044	LWDS-SS-21	0	0	0.3	NR	--
4047	LWDS-SS-22	0	-0.1	0.3	NR	--
4053	LWDS-SS-23	0	**0.3**	0.3	NR	--
4054	LWDS-SS-23	0 (D)	**0.1**	0.3	NR	--
04033	LWDS-SS-24	0	-0.1	0.3	NR	--
04034	LWDS-SS-25	0	-0.1	0.3	NR	--
04051	LWDS-SS-26	0	**0.1**	0.3	NR	--
04049	LWDS-SS-27	0	**0.1**	0.3	NR	--
04041	LWDS-SS-28	0	-0.1	0.3	NR	--
04044	LWDS-SS-29	0	-0.3	0.3	NR	--
4047	LWDS-SS-30	0	**0.2**	0.3	NR	--
4039	LWDS-SS-31	0 (D)	**0.1**	0.3	NR	--
4054	LWDS-SS-31	0	0	0.3	NR	--
04037	LWDS-SS-32	0	**0.2**	--	NR	--
04036	LWDS-SS-33	0	-0.1	0.3	NR	--
04051	LWDS-SS-34	0	-0.1	0.3	NR	--
04048	LWDS-SS-35	0	**0.1**	0.3	NR	--
04041	LWDS-SS-36	0 (D)	**0.1**	0.3	NR	--
04045	LWDS-SS-36[d]	0	**0.1**	0.3	NR	--
04040	LWDS-SS-36	0	-0.1	0.3	NR	--
04043	LWDS-SS-37	0	**0.1**	0.3	NR	--
4046	LWDS-SS-38	0	0	0.3	NR	--
4039	LWDS-SS-39	0	**0.4**	0.3	NR	--
4162	LWDS-SS-39	0 (D)	0	0.3	NR	--
04037	LWDS-SS-40	0	-0.1	0.3	NR	--
04034	LWDS-SS-41	0 (D)	-0.2	0.3	NR	--
04035	LWDS-SS-41	0	**0.1**	0.3	NR	--
04050	LWDS-SS-42	0	**0.2**	0.3	NR	--
04048	LWDS-SS-43	0	-0.1	0.3	NR	--
04040	LWDS-SS-44	0	**0.1**	0.3	NR	--
04043	LWDS-SS-45	0	-0.1	0.3	NR	--
4046	LWDS-SS-46	0	0	0.3	NR	--
Background Activity[c]			0.021	NA	420	NA

Refer to footnotes at end of table.

Table A-10 (Concluded)
Summary of SWMU 4 Soil Sampling
Tritium Analytical Results
July 1992–December 1994
(On-Site and Off-Site Laboratories)

Sample Attributes			Activity (pCi/g)		Activity (pCi/L)	
Record Number[a]	ER Sample ID	Sample Depth (ft)	Result	Error[b]	Result	Error[b]
4163	LWDS-SS-47	0	**0.2**	0.3	NR	--
04038	LWDS-SS-48	0	-0.1	0.3	NR	--
4164	LWDS-SS-HS	0	0	0.3	NR	--
4162	LWDS-SS-HS	1	0.2	0.3	NR	--
Background Activity[c]			0.021	NA	420	NA

Note: Values in **bold** exceed background soil activity.

[a]Analysis request/chain-of-custody record.

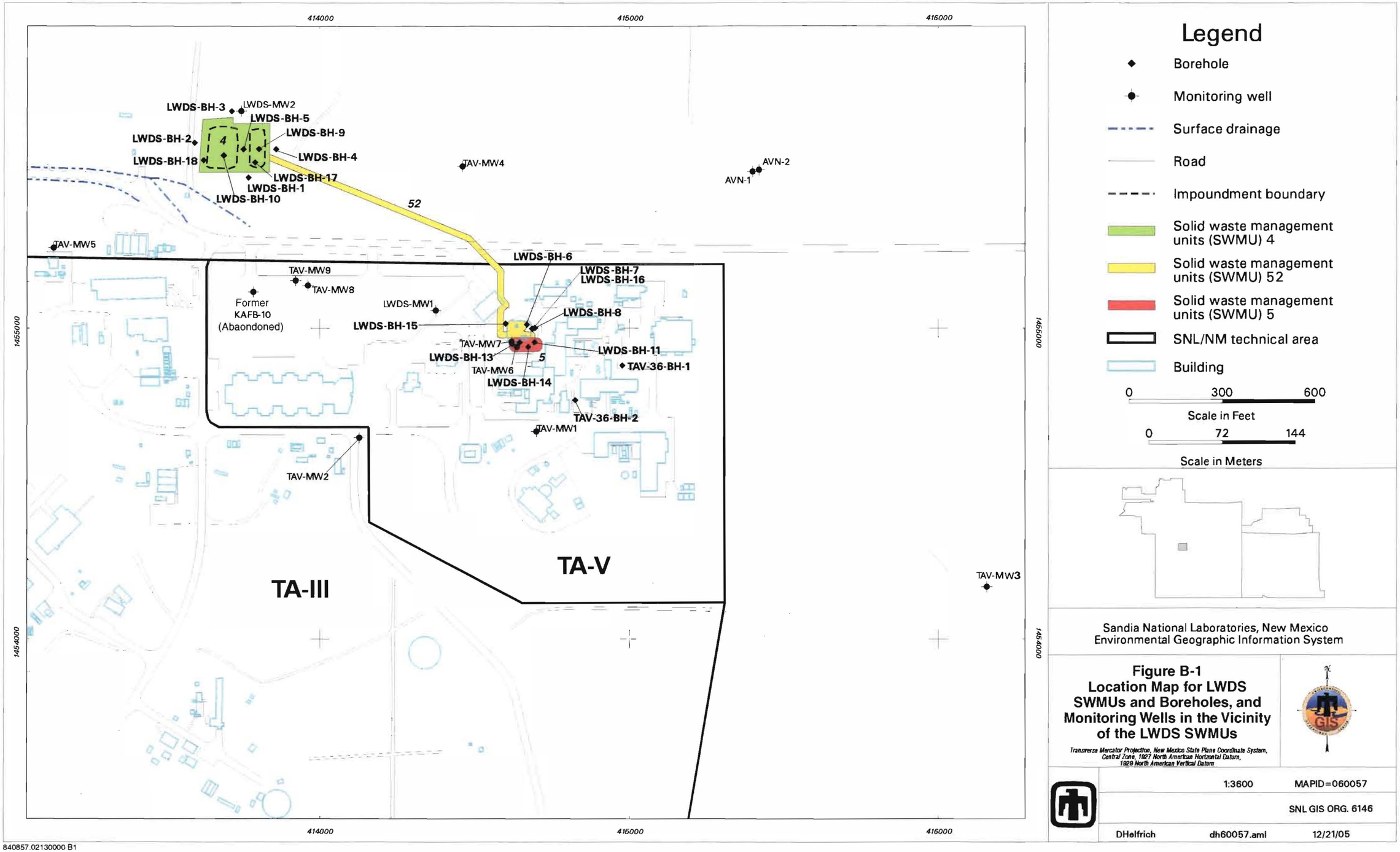
[b]Two standard deviations about the mean detected activity.

[c]Dinwiddie September 1997, Southwest Area Supergroup.

[d]Soil sample collected at drain outfall in Impoundment 2; this sample was located in Grid 35 on maps but included with samples collected in Grid 36.

ER = Environmental Restoration.
ft = Foot (feet).
ID = Identification.
NA = Not applicable.
ND ( ) = Analyte not detected above the RL, shown in parentheses.
NR = Not reported.
pCi/g = Picocurie(s) per gram.
pCi/L = Picocurie(s) per liter.
SWMU = Solid Waste Management Unit.
-- = Error not calculated for nondetected values.

ATTACHMENT B
SWMU 4
Figures



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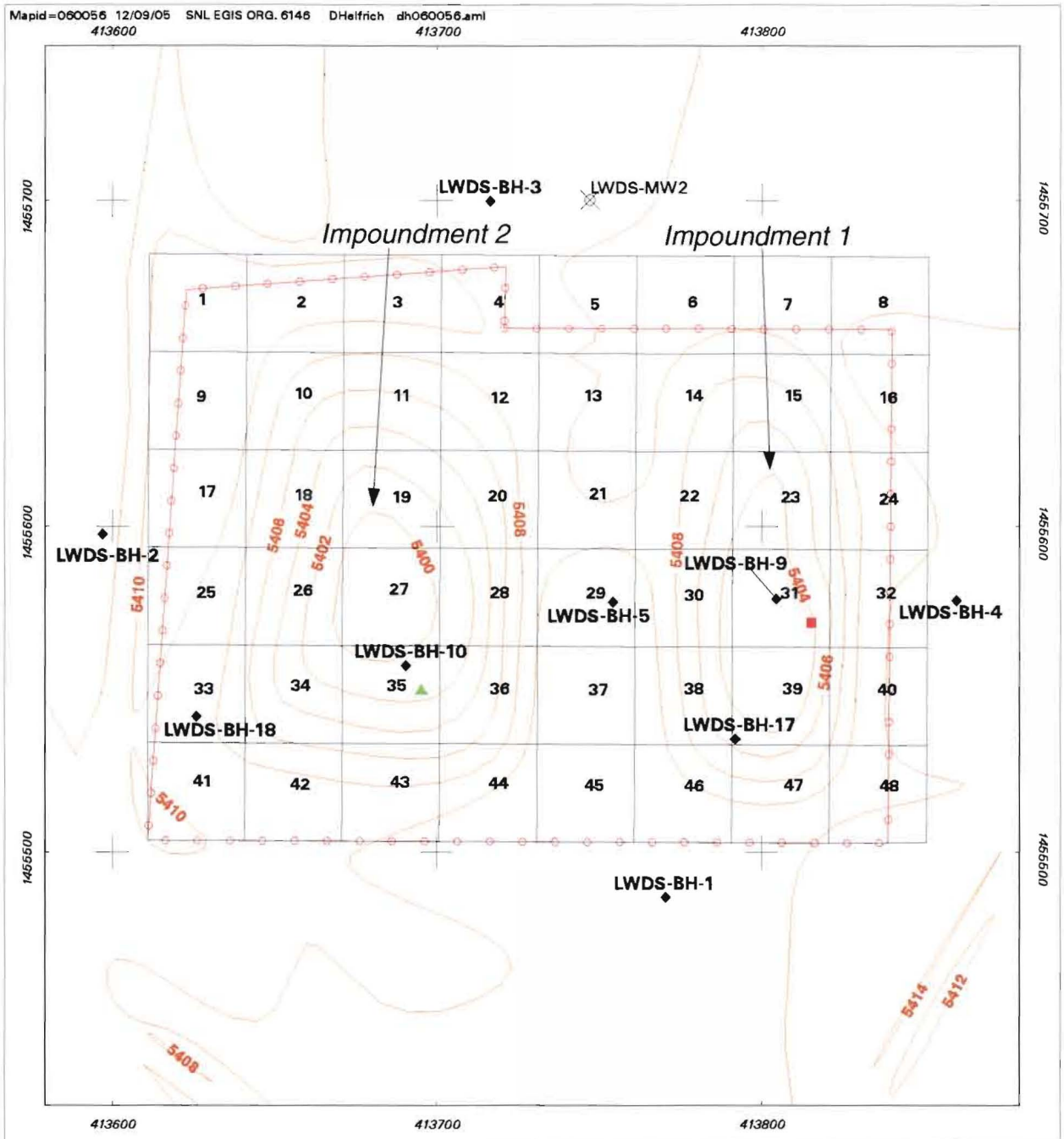

Legend

- Monitoring Well
- Borehole
- Soil Sample at Drain Outfall* (collected at ~ 1.5-ft bgs)
- Hot Spot (HS) Soil Sample at Drain Outfall (collected at surface & ~ 1.5-ft bgs)
- Fence / SWMU 4 Boundary
- 1992 Sample Grid (sample numbers prefixed with LWDS-SS-##)
- 2-ft Contour Interval

* Sample location may be incorrect. See analytical results tables.

Figure B-2
LWDS - SWMU 4
Soil-Sampling Locations

0 25 50
Scale in Feet

0 6 12
Scale in Meters

Sandia National Laboratories, New Mexico
Environmental Geographic Information System

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