DECISION DOCUMENT
DOCK 1 LANDFILL, SWMU J-05
Hawthorne Army Depot
Hawthorne, Nevada
September 1999

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ENVIRONMENTAL PROTECTION

1. PURPOSE OF DECISION DOCUMENT

1.1 Introduction

This decision document describes the rationale for the remedial action at, and closure of, Solid Waste Management Unit (SWMU) J-05, Dock 1 Landfill, at the Hawthorne Army Depot (HWAD), Hawthorne, Nevada. This decision document was developed by the U.S. Army Corps of Engineers, Sacramento District (USACE), the HWAD, and Day & Zimmermann Hawthorne Corporation with support from the Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP).

1.2 Site Description and Background

SWMU J-05 is located adjacent to the north side of Dock 1. Dock 1 is located on 3rd Avenue North, west of the intersection with Sand Road and south of the Group 110 Area.

Tetra Tech reviewed all previous work done for the Group B SWMUs and compiled an annotated bibliography for past work (Tetra Tech, 1993).

SWMU J-05, along with SWMUs J-06 through J-10, were described in a previous inspection as suspected landfills because they appeared to have undergone shallow settling (RAI, 1992). The site was also inspected by Tetra Tech in November 1993. A shallow depressed area was observed adjacent to the dock. The depression is located about 100 feet north of the explosion protection berm on the north side of the dock and extends 160 feet. No evidence of waste disposal is identified in the 1980 aerial photograph of the site (EMSL 1981), and no evidence of waste disposal or open burning was observed during the Tetra Tech site inspection.

Based on a study by Van Denburgh and Rush (1975), ground water was expected to occur at a depth of about 70 to 80 feet beneath the site. The hydraulic gradient in the 101 Production Area, about 3,000 feet east of the site, has been reported to be toward the west-southwest. A storm water catchment basin is located about 800 feet southwest of the site. The catchment basin is designed to capture runoff from the central storm water channel through the Central Magazine area. Thus, local hydrogeological conditions could be impacted by seasonal recharge from the catchment basin and storm drainage system.

Tetra Tech conducted a basewide ground water level survey in March, 1994. Based on this survey, ground water at SWMU J-05 is estimated at a depth of 90 feet (4,080 msl).

1.3 Chemicals of Concern

Potential chemicals of concern are listed in Table 1.

Table 1 - Summary of Chemicals of Concern

Chemical of Concern	Rationale Behind Designation	Reference
Tear Gas (eliminated)	Base personnel indicated no use or release had occurred at site.	USACE 1993
Metals	Possible metals disposal.	USACE 1993
Volatile Organic Compounds (VOCs)	Possible solvent disposal.	USACE 1993
Petroleum Hydrocarbons (added)	May have been used as a fuel for burning trash near Loading Dock 1.	Tetra Tech 1993

2. SUMMARY OF SITE RISK

No volatile organic compounds (VOCs) or BTEX (benzene, toluene, ethylbenzene and xylene) concentrations were detected in the soil gas survey. No TPH-diesel (TPH-d) concentrations were detected in the near surface and subsurface soil samples.

Metals were detected in all of the soil samples collected at concentrations below the proposed closure goals with one exception. Arsenic was detected at a concentration of 87 mg/kg. Benzene and xylene were detected in one sample at concentrations below the closure goals. Methylene chloride was detected in four samples, however, this VOC was also detected in the trip blank, and therefore, is determined not to be representative of the soil conditions.

Because arsenic was reported at low or non-detectable concentrations in the shallower soil samples, and there does not appear to be a source of arsenic at the SWMU, Tetra Tech concludes that the arsenic detected at a depth of 31 feet may be representative of naturally occurring concentrations of this metal in the subsurface soils of the Hawthorne Valley. The detected concentration of arsenic at a depth of 31 feet is not exposed to the surface and is not likely to impact the ground water at a depth of 90 feet. Therefore, these soils that contain concentrations of arsenic above the proposed closure goals do not appear to pose a threat to human health or the environment.

3. SUMMARY OF REMEDIAL INVESTIGATIONS & REMEDIAL ACTIONS

3.1 Remedial Investigations

3.1.1 Objectives

The objective of the investigation at SWMU J-05 was:

- To determine whether volatile organic compounds (VOCs) from solvents, petroleum hydrocarbons, or metals were present in the near surface and subsurface soils.

This objective was met.

3.1.2 Planned and Actual Investigation

Planned and actual field activities are described in Table 2. Figure J-05-2 shows the locations of actual field investigation activities at SWMU J-05. A permanent monument was installed, and SWMU boundaries delineated, at the locations shown on this figure. The appendices of this document include HWAD proposed closure goals for soils, laboratory detection limits, survey results, and photographs. All activities were conducted based on the Work Plan (Tetra Tech, 1994a), Site Safety and Health Plan (Tetra Tech, 1994b) and the Chemical Data Acquisition Plan (Tetra Tech, 1994c).

TABLE 2 - Summary of Planned and Actual Field Investigation

Planned Investigation	Actual Investigation	Comments
Soil Gas Survey - 20 samples at 20 locations to 5 ft depth	**Soil Gas Survey** - 10 samples at 10 locations to 5 ft depth	Based on no chemicals of concern detected in the first 10 samples, remaining 10 samples were not collected.
Near Surface Sampling - 10 soil samples at 10 locations	**Near Surface Sampling** - 10 soil samples at 10 locations	
Subsurface Sampling - CPT[a] sounding in depths ranging from 27 to 31 ft. CPT sampling at 3 locations to 30 ft, 4 samples per location	**Subsurface Sampling** - CPT sounding in 1 location to 30 ft. CPT sampling at 3 locations to 30 ft, 3 samples per location	Based on the fine grained zones identified on the CPT sounding log, three samples were taken at each location. Second sounding not conducted due to inaccessibility with wheel CPT rig. Sampling conducted based on one sounding location.
Surveying - GPS[b] at soil gas, surface, and CPT locations	**Surveying** - GPS at soil gas, surface and CPT locations	

[a]CPT = Cone penetrometer test
[b]GPS = Global positioning system

Soil samples collected and analyses performed are as follows:

Sample Locations	Depth (ft)	Metals Analyses	BTEX Analyses	TPH-d Analyses	VOCs Analyses
Near Surface					
SS01 through SS10 (10 locations)	0.5	Y	Y	Y	N
Subsurface					
SB01	7, 18, 27	Y	N	Y	Y
SB02	8, 19, 31	Y	N	Y	Y
SB03	6, 18, 29	Y	N	Y	Y

3.1.3 Results

Table 3 lists analytical results for volatile organic compounds (VOCs)and benzene, toluene, ethylbenzene and xylene (BTEX) for the soil gas survey. Table 4 lists metals analytical results of the near surface and subsurface soil sampling. The associated background levels of metals and the proposed closure goals are also shown in Table 4. Table 5 lists analytical results for the near surface and subsurface soil sampling for BTEX, VOCs, and total petroleum hydrocarbons as diesel (TPH-d).

Table 3 - Summary of Soil Gas Survey Analytical Results

Sample Number	Sampled Date	Sample Depth (ft)	VOCs (ug/L) EPA Method 8010-M	BTEX (ug/L) EPA Method 8020-M
J05-SG-01	25-Jun-94	5.0	ND*	ND
J05-SG-02	25-Jun-94	5.0	ND	ND
J05-SG-03	25-Jun-94	5.0	ND	ND
J05-SG-04	25-Jun-94	5.0	ND	ND
J05-SG-05	25-Jun-94	5.0	ND	ND
J05-SG-06	25-Jun-94	5.0	ND	ND
J05-SG-07	25-Jun-94	5.0	ND	ND
J05-SG-08	25-Jun-94	5.0	ND	ND
J05-SG-09	25-Jun-94	5.0	ND	ND
J05-SG-10	25-Jun-94	5.0	ND	ND

*ND= Below laboratory detection limits

Table 4 - Summary of Metals Analytical Results

Sample Number	Sampled Date	Sample Depth (ft)	Metals (mg/kg) EPA Method 6010 (Method 7471 for Hg)							
			As	Ba	Cd	Cr	Pb	Hg	Se	Ag
Near Surface Samples										
J05-SS1-1-S	7-Jul-94	0.25 - 0.50	ND*	28	ND	2.3	ND	ND	ND	ND
J05-SS2-1-S	7-Jul-94	0.25 - 0.50	ND	34	ND	3.2	ND	ND	ND	ND
J05-SS3-1-S	7-Jul-94	0.25 - 0.50	ND	40	ND	3.6	ND	ND	ND	ND
J05-SS4-1-S	7-Jul-94	0.25 - 0.50	ND	32	ND	2.5	ND	ND	ND	ND
J05-SS5-1-S	7-Jul-94	0.25 - 1.0	ND	34	ND	3.0	6.5	ND	ND	ND
J05-SS6-1-S	7-Jul-94	0.25 - 0.50	ND	35	ND	3.2	ND	ND	ND	ND
J05-SS7-1-S	7-Jul-94	0.25 - 0.50	ND	32	ND	2.8	ND	ND	ND	ND
J05-SS8-1-S	7-Jul-94	0.25 - 0.50	ND	25	ND	1.8	ND	ND	ND	ND
J05-SS9-1-S	7-Jul-94	0.25 - 0.50	ND	22	ND	2.0	ND	ND	ND	ND
J05-SS10-1-S	7-Jul-94	0.25 - 0.50	6.5	42	ND	4.4	ND	ND	ND	ND
Subsurface Samples										
J05-SB01-1-S	17-Aug-94	6.75 - 7.0	4.4	65	1.9	14	ND	ND	ND	ND
J05-SB01-2-S	17-Aug-94	17.75 - 18.0	ND	210	4.1	14	10.0	ND	8.8	ND
J05-SB01-3-S	17-Aug-94	27.25 - 27.50	14	580	4.4	8.1	18	ND	7.4	ND
J05-SB02-1-S	16-Aug-94	8.25 - 8.5	ND	64	2.1	33	ND	0.077	ND	ND

J05-SB02-2-S	16-Aug-94	18.5 - 18.75	ND	70	0.85	2.9	ND	ND	ND	ND
J05-	16-Aug-94	30.75 - 31.0	87	710	1.5	ND	ND	ND	ND	ND
J05-SB03-1-S	16-Aug-94	5.75 - 6.0	ND	54	0.84	ND	ND	ND	ND	ND
J05-SB03-2-S	17-Aug-94	17.75 - 18.0	ND	130	2.9	11	16	ND	ND	ND
J05-SB03-3-S	17-Aug-94	28.75 - 29.0	9.6	190	3.9	12	20	ND	11.0	ND
Associated Background Samples	Soil Series	Mappable Unit	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
B17	Patna	460	ND	98	0.71	7.3	9.8	ND	ND	ND
B18	Patna	460	ND	52	0.44	3.9	13	ND	ND	ND
B19	Patna	460	ND	72	0.43	3.9	ND	ND	ND	ND
B20	Patna	460	ND	36	0.22	2.9	7.0	ND	ND	ND
B39	Patna	460	ND	79	0.46	4.2	13	ND	ND	ND
Proposed Closure Goals			30	5,600	40	80000	1000	24	400	400

*ND= Below laboratory detection limit. Detection limits are shown in Appendix B.

Table 5 - Summary of BTEX, VOCs, and TPH-Diesel Analytical Results

Sample Number	Sampled Date	Sample Depth (ft)	BTEX (mg/kg) Immunoassay Test	VOCs (ug/kg) EPA Method 8260	TPH-Diesel (mg/kg) EPA Method 8015-M
Near Surface Samples					
J05-SS1-1-S	7-Jul-94	0.50 - 1.0	<2	--	ND[a]
J05-SS2-1-S	7-Jul-94	0.50 - 1.0	>2 and <10	--	ND
J05-SS3-1-S	7-Jul-94	0.50 - 1.0	>2 and <10	--	ND
J05-SS4-1-S	7-Jul-94	0.50 - 1.0	>2 and <10	--	ND
J05-SS5-1-S	7-Jul-94	0.25 - 1.0	>2 and <10	--	ND
J05-SS6-1-S	7-Jul-94	0.50 - 1.0	<2	--	ND
J05-SS7-1-S	7-Jul-94	0.50 - 1.0	>2 and <10	--	ND
J05-SS8-1-S	7-Jul-94	0.50 - 1.0	<2	--	ND
J05-SS9-1-S	7-Jul-94	0.50 - 1.0	>2 and <10	--	ND
J05-SS10-1-S	7-Jul-94	0.50 - 1.0	>2 and <10	--	ND
Subsurface Samples					
J05-SB01-1-S	17-Aug-94	6.25 - 6.75	--	**4.9** methylene chloride	ND
J05-SB01-2-S	17-Aug-94	17.25 - 17.75	--	**10** methylene chloride	ND
J05-SB01-3-S	17-Aug-94	26.75 - 27.25	--	**8.4** methylene chloride	ND
J05-SB02-1-S	16-Aug-94	8.25 - 8.75	--	ND	ND
J05-SB02-2-S	16-Aug-94	18.50 - 19.0	--	ND	ND
J05-SB02-3-S	16-Aug-94	30.25 - 30.75	--	ND	ND
J05-SB03-1-S	16-Aug-94	5.25 - 5.75	--	**2.7** benzene **1.1** m- & p-xylenes	ND
J05-SB03-2-S	17-Aug-94	17.25 - 17.75	--	ND	ND
J05-SB03-3-S	17-Aug-94	28.25 - 28.75	--	**3.3** methylene chloride	ND

*ND= Below laboratory detection limit

ND= Below laboratory detection limit

3.2 Remedial Actions

3.2.1 Summary of Remedial Alternatives

The remedial alternative for this site is the removal of all surface debris from the site.

3.2.2 Summary of Remedial Actions

All surface debris was removed from the site. Photographs of this site before and after implementation of this remedial action are included at Appendix D.

4. PUBLIC/COMMUNITY INVOLVEMENT

It is U.S. Department of Defense and Army policy to involve the local community throughout the investigation process at an installation. To initiate this involvement, HWAD has established a repository in the local public library, which includes final copies of all past studies and documents regarding environmental issues at the facility. This repository will be maintained and updated with all future final documents as they are issued to HWAD.

HWAD has solicited community participation in establishment of a restoration advisory board (RAB). However, because of insufficient public response, HWAD has not formed a RAB. HWAD will continue to solicit community involvement.

5. CONCLUSIONS AND RECOMMENDATIONS

The HWAD proposed closure goals for all analytes are listed in Appendix A. These closure goals were used in evaluating the detected chemicals. Table 6 summarizes the detected chemicals of concern.

TABLE 6 - Summary of Detected Chemicals of Concern

Sample Number	Sampled Date	Sample Depth (ft)	Metals (mg/kg) EPA Method 6010-M	VOCs (ug/kg) EPA Method 8260[a]
J05-SB03-1-S	16-Aug-94	5.25 - 5.75	--	2.7 benzene 1.1 m- & p-xylenes
J05-SB02-3-S	16-Aug-94	30.75-31.0	87 arsenic	ND

[a]Soil sample analyzed by EPA Method 8260.

No VOCs or BTEX concentrations were detected in the soil gas survey. No TPH-d concentrations were detected in the near surface and subsurface soil samples.

Metals were detected in all of the soil samples collected at concentrations below the proposed closure goals with one exception. Arsenic was detected at a concentration of 87 mg/kg, exceeding the closure goal of 30 mg/kg. Benzene and xylene were detected in one sample at concentrations below the closure goals. Methylene chloride was detected in four samples, however, this VOC was also been detected in the trip blank, and therefore, is determined not to be representative of the soil conditions.

Because arsenic was reported at low or non-detectable concentrations in the shallower soil samples, and there does not appear to be a source of arsenic at the SWMU, Tetra Tech concludes that the arsenic detected at a depth of 31 feet may be representative of naturally occurring concentrations of this metal in the subsurface soils of the Hawthorne Valley. The detected concentration of arsenic at a depth of 31 feet is not exposed to the surface and is not likely to impact the ground water at a depth of 90 feet. There-fore, this soil with a concentration of arsenic above the proposed closure goals does not appear to pose a threat to human health or the environment.

It is recommended that no further investigation be conducted at this SWMU and the site be closed with regard to these chemicals of concern without further remedial actions and without land use restrictions.

6. DECLARATION

The selected remedy is protective of human health and the environment. It has been shown that a complete exposure pathway to human health and the environment does not exist, and there is no potential for such an exposure pathway to be completed in the future.

U.S. ARMY

30 SEP 1999
Date

James A. Piner
Lieutenant Colonel, U.S. Army
Commanding

STATE OF NEVADA

13 Oct 1999
Date

Paul Liebendorfer
Chief, Bureau of Federal Facilities

REFERENCES

EMSL. 1981. Aerial Reconnaissance of Hazardous Waste Sites, Weed Heights and Hawthorne, Nevada. TS-AMD-8106. (Environmental Monitoring Systems Laboratory, Las Vegas, NV). Prepared for U.S. EPA Region 9 by Lockheed Engineering and Management Services Co., Inc., Las Vegas, NV.

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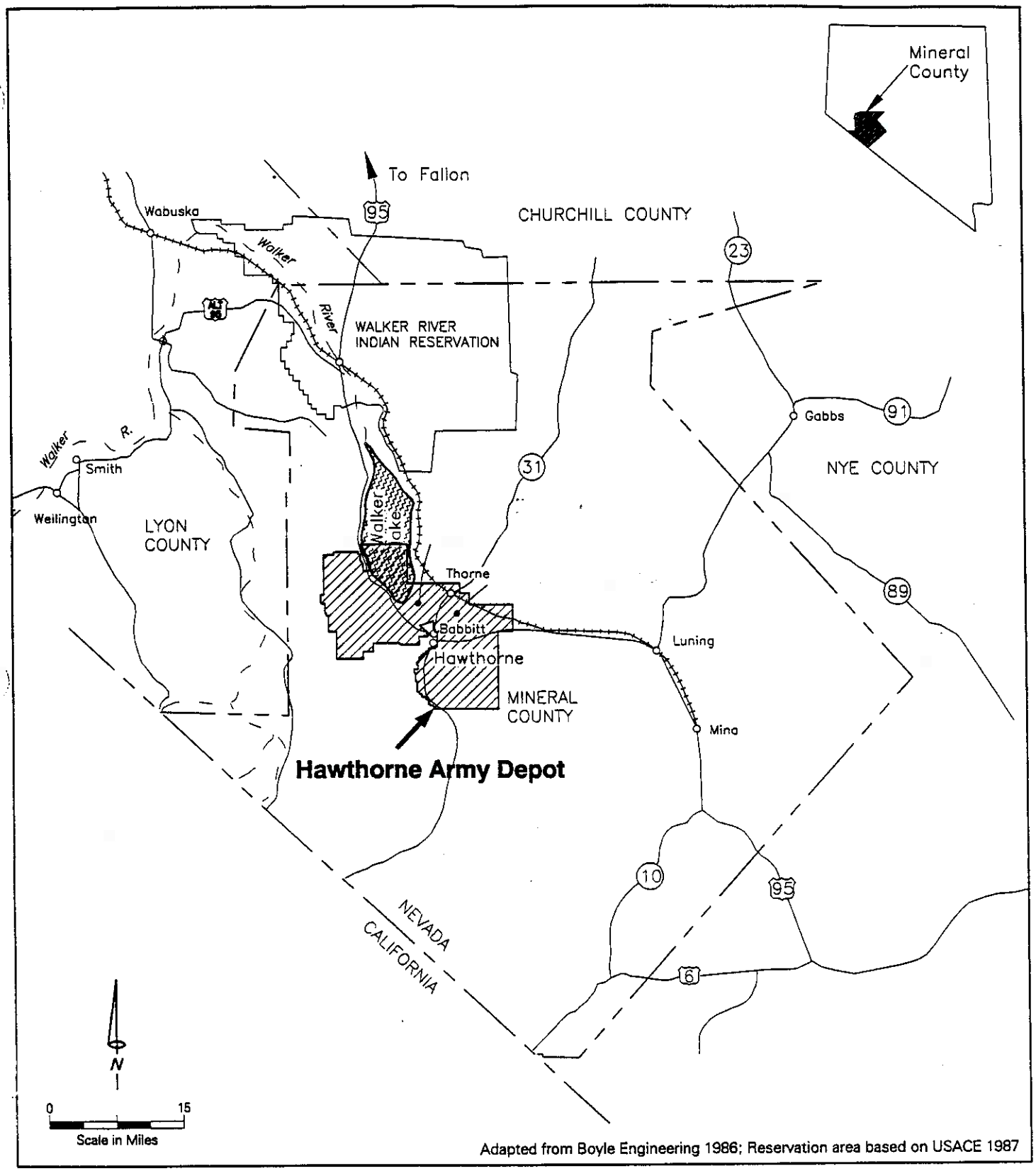
Figures



Adapted from Boyle Engineering 1986; Reservation area based on USACE 1987

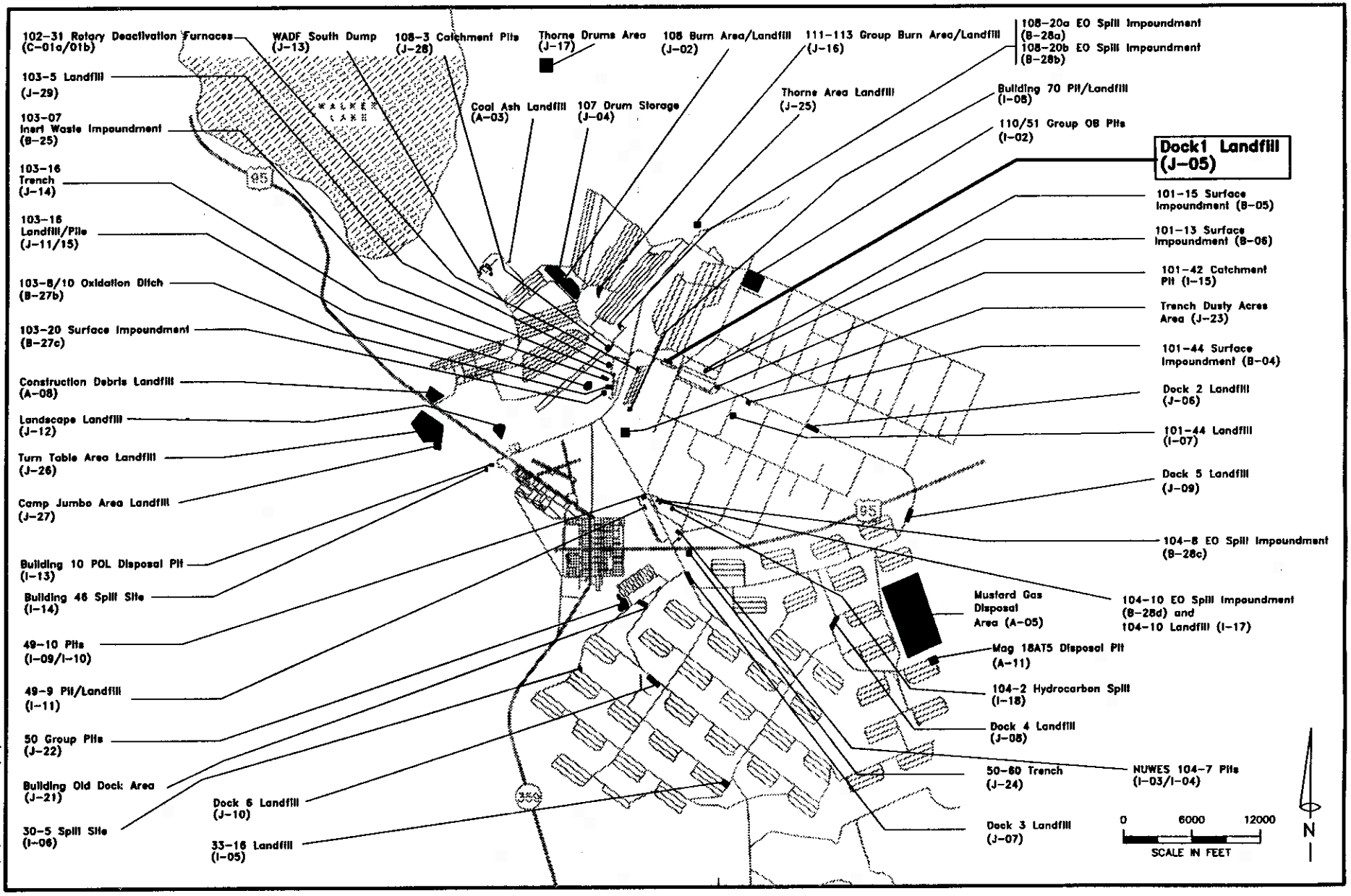
Location Map

Legend

Hawthorne Army Depot

Hawthorne Army Depot
Hawthorne, Nevada

Tetra Tech, Inc.

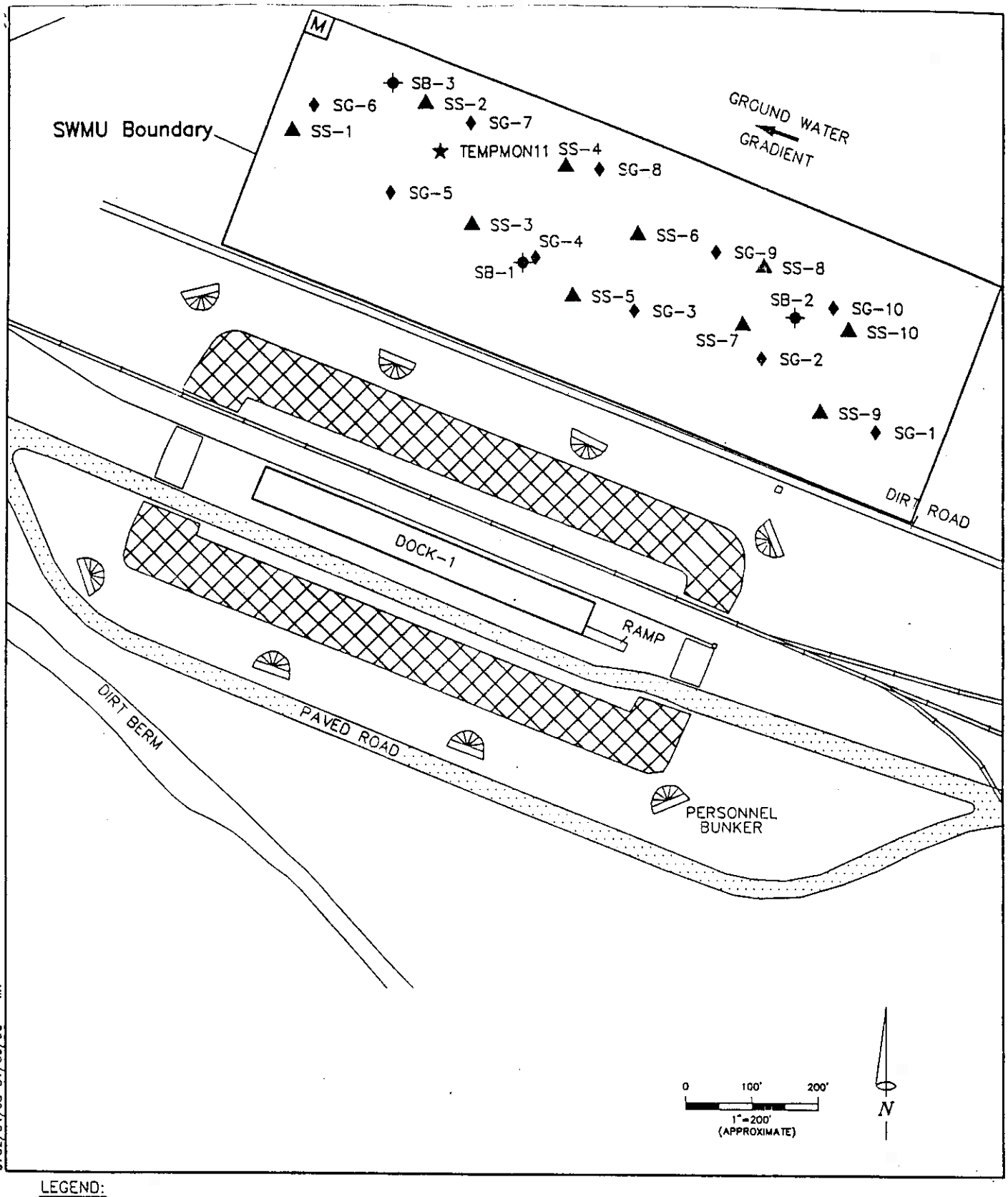


TETRA TECH

Location Map
Hawthorne Army Depot

Hawthorne, Nevada

Figure SWMU-J-05-1



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LEGEND:

- ★ SWMU Reference point
- ♦ SG-X Soil gas sample location and number
- ▲ SS-X Surface sample location and number
- ✦ SB-X Soil boring location and number
- Explosion barrier
- M Monument location

TETRA TECH

Activity Map
SWMU J-05
Dock 1 Landfill

Hawthorne Army Depot
Hawthorne, Nevada

Source: Base map digitized from Aerial Photo Survey, June 1994. Geophysical data from Geophysical Survey, NORCAL, August 1994.

Figure J-05-2

Appendix A

Proposed Closure Goals
Hawthorne Army Depot
Hawthorne, Nevada

Constituent of Concern	Chemical Classification	Carcinogenic (C) or Non-carcinogenic (NC)	HWAD Proposed Closure Goals for Soil (mg/kg)	HWAD Proposed Closure Goal Source
Nitrate	Anion	NC	128,000	Calculated Subpart S[a]
2-Amino-dinitrotoluene	Explosive	NC	-	NA[b]
4-Amino-dinitrotoluene	Explosive	NC	-	NA
1,3-Dinitrobenzene	Explosive	NC	8	Calculated Subpart S
2,4-Dinitrotoluene	Explosive	NC	160	Calculated Subpart S
2,6-Dinitrotoluene	Explosive	NC	80	Calculated Subpart S
HMX	Explosive	NC	4,000	Calculated Subpart S
Nitrobenzene	Explosive	NC	40	Calculated Subpart S
Nitrotoluene (2-, 3-, 4-)	Explosive	NC	800	Calculated Subpart S
RDX	Explosive	NC	64	Calculated Subpart S
Tetryl	Explosive	NC	800	Calculated Subpart S
1,3,5-Trinitrobenzene	Explosive	NC	4	Calculated Subpart S
2,4,6-Trinitrotoluene	Explosive	C	233	Calculated Subpart S
Aluminum	Metal	NC	80,000	Calculated Subpart S
Arsenic (cancer endpoint)	Metal	C & NC	30	Background[c]
Barium and compounds	Metal	NC	5,600	Calculated Subpart S
Beryllium and compounds	Metal	C	1	Background
Cadmium and compounds	Metal	NC	40	Calculated Subpart S
Chromium III and compounds	Metal	NC	80,000	Calculated Subpart S
Lead	Metal	NC	1000	PRG[d]
Mercury and compounds (inorganic)	Metal	NC	24	Calculated Subpart S
Selenium	Metal	NC	400	Calculated Subpart S
Silver and compounds	Metal	NC	400	Calculated Subpart S
Acenaphthene	PAH	NC	4,800	Calculated Subpart S
Benzo[a]anthracene	PAH	C	0.96	Calculated Subpart S
Benzo[a]pyrene	PAH	C	0.10	Detection Limit[e]
Benzo[b]fluoranthene	PAH	C	0.96	Calculated Subpart S
Benzo[k]fluoranthene	PAH	C	10	Calculated Subpart S
Chrysene	PAH	C	96	Calculated Subpart S
Dibenz[ah]anthracene	PAH	C	0.96	Calculated Subpart S
Fluoranthene	PAH	NC	3,200	Calculated Subpart S
Fluorene	PAH	NC	3,200	Calculated Subpart S
Indeno[1,2,3-cd]pyrene	PAH	C	-	NA
Naphthalene	PAH	NC	3,200	Calculated Subpart S
Pyrene	PAH	NC	2,400	Calculated Subpart S
Total Petroleum Hydrocarbons as Diesel (TPH-d)	PAH	C	100	NDEP Level Clean-up[f]
Polychlorinated biphenyls (PCBs)	PCBs	C	25	TSCA[g]
Bis(2-ethylhexyl)phthalate (DEHP)	SVOC	C	1,600	Calculated Subpart S
Bromoform (tribromomethane)	SVOC	C	89	Calculated Subpart S

Proposed Closure Goals
Hawthorne Army Depot
Hawthorne, Nevada

Constituent of Concern	Chemical Classification	Carcinogenic (C) or Non-carcinogenic (NC)	HWAD Proposed Closure Goals for Soil (mg/kg)	HWAD Proposed Closure Goal Source
Butyl benzyl phthalate	SVOC	NC	16,000	Calculated Subpart S
Dibromochloromethane	SVOC	C	83	Calculated Subpart S
Dibutyl-phthalate	SVOC	NC	8,000	Calculated Subpart S
Diethyl phthalate	SVOC	NC	64,000	Calculated Subpart S
Phenanthrene	SVOC		-	NA
Phenol	SVOC	NC	48,000	Calculated Subpart S
Acetone	VOC	NC	800	Calculated Subpart S
Anthracene	VOC	NC	24,000	Calculated Subpart S
Benzene	VOC	C	24	Calculated Subpart S
Bis(2-chloroisopropyl)ether	VOC	C	3,200	Calculated Subpart S
Bromomethane	VOC	NC	112	Calculated Subpart S
Carbon tetrachloride	VOC	C	5	Calculated Subpart S
Chlorobenzene	VOC	NC	1,600	Calculated Subpart S
Chloroform	VOC	C	115	Calculated Subpart S
Chloromethane	VOC	C	538	Calculated Subpart S
Dibromomethane	VOC	C	0.008	Calculated Subpart S
1,2-Dichlorobenzene	VOC	NC	7,200	Calculated Subpart S
1,4-Dichlorobenzene	VOC	C	18,300	Calculated Subpart S
Dichlorodifluoromethane	VOC	C	16,000	Calculated Subpart S
Ethylbenzene	VOC	NC	8,000	Calculated Subpart S
Methylene bromide	VOC	NC	800	Calculated Subpart S
Methylene chloride	VOC	C	4,800	Calculated Subpart S
2-Methylnaphthalene	VOC		-	NA
1,1,2,2-Tetrachloroethane	VOC	C	35	Calculated Subpart S
Tetrachloroethylene (PCE)	VOC	C & NC	800	Calculated Subpart S
Toluene	VOC	NC	16,000	Calculated Subpart S
1,1,1-Trichloroethane	VOC	NC	7,200	Calculated Subpart S
Trichloroethylene (TCE)	VOC	C & NC	480	Calculated Subpart S
Trichlorofluoromethane	VOC	NC	24,000	Calculated Subpart S
1,2,3-Trichloropropane	VOC	C	480	Calculated Subpart S
Vinyl chloride	VOC	C	0.37	Calculated Subpart S
Xylene Total (m-, o-, p-)	VOC	NC	160,000	Calculated Subpart S
2,3,7,8-TCDD	Dioxin	C	0.000005	Calculated Subpart S

[a] RCRA 55 FR 30870

[b] Not available

[c] Highest background concentration detected in 50 background soil samples

[d] Smucker, Stanford J. USEPA Rgion IX, Preliminary Remedial Goals, Second Half, Sep. 1995

[e] Method detection limit for Volatile Organic Compounds by EPA Method 8260 or Semi-Volatile Organic Compounds analyzed by EPA Method 8270

[f] Nevada Division of Environmental Protection

[g] Cleanup level for PCB spills in accordance with Toxic Substance and Control Act Spill Policy Guidelines 40 CFR 761

Appendix B

Summary Table of Analytical Data

SWMU J05 - Dock 1/Landfill

Hawthorne Army Depot

Hawthorne, Nevada

January 1996

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Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB01-1-S	6.75-7.0	8/17/94	6010	Arsenic	4.4	mg/kg	J
J05-SB01-1-S	6.75-7.0	8/17/94	6010	Barium	65	mg/kg	
J05-SB01-1-S	6.75-7.0	8/17/94	6010	Cadmium	1.9	mg/kg	
J05-SB01-1-S	6.75-7.0	8/17/94	6010	Chromium	14	mg/kg	
J05-SB01-1-S	6.75-7.0	8/17/94	6010	Lead	< 5	mg/kg	
J05-SB01-1-S	6.75-7.0	8/17/94	6010	Selenium	< 5	mg/kg	
J05-SB01-1-S	6.75-7.0	8/17/94	6010	Silver	< 0.9	mg/kg	
J05-SB01-1-S	6.75-7.0	8/17/94	7471	Mercury	< 0.04	mg/kg	
J05-SB01-1-S	6.5-6.75	8/17/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Benzene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Methylene chloride	4.9	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Toluene	< 0.4	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB01-1-S	6.25-6.5	8/17/94	8260	Vinyl chloride	< 0.2	ug/kg	

Summary Table of Analytical Data

SWMU J05 - Dock 1/Landfill

Hawthorne Army Depot

Hawthorne, Nevada

January 1996

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Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB01-1-S	6.25-6.5	8/17/94	D2216	Moisture/TNFR	4.7	percent	
J05-SB01-1-S	6.25-6.5	8/17/94	D2216	Moisture/TNFR	1.6	percent	
J05-SB01-2-S	17.75-18.0	8/17/94	6010	Arsenic	< 5	mg/kg	
J05-SB01-2-S	17.75-18.0	8/17/94	6010	Barium	210	mg/kg	
J05-SB01-2-S	17.75-18.0	8/17/94	6010	Cadmium	4.1	mg/kg	
J05-SB01-2-S	17.75-18.0	8/17/94	6010	Chromium	14	mg/kg	
J05-SB01-2-S	17.75-18.0	8/17/94	6010	Lead	10	mg/kg	J
J05-SB01-2-S	17.75-18.0	8/17/94	6010	Selenium	8.8	mg/kg	J
J05-SB01-2-S	17.75-18.0	8/17/94	6010	Silver	< 1.1	mg/kg	
J05-SB01-2-S	17.75-18.0	8/17/94	7471	Mercury	< 0.05	mg/kg	
J05-SB01-2-S	17.5-17.75	8/17/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,1,1,2-Tetrachloroethane	< 0.5	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,1,2-Trichloroethane	< 0.5	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,2,3-Trichloropropane	< 1	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,2-Dichloropropane	< 1	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	1,4-Dichlorobenzene	< 0.5	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Benzene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Bromobenzene	< 0.5	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Chloromethane	< 0.7	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Dibromochloromethane	< 0.7	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Methylene chloride	10	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Tetrachloroethene	< 0.7	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Toluene	< 0.5	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Trichloroethene	< 1	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB01-2-S	17.25-17.5	8/17/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB01-2-S	17.75-18.0	8/17/94	D2216	Moisture/TNFR	22	percent	
J05-SB01-2-S	17.75-18.0	8/17/94	D2216	Moisture/TNFR	15	percent	
J05-SB01-3-S	27.25-27.5	8/17/94	6010	Arsenic	14	mg/kg	J
J05-SB01-3-S	27.25-27.5	8/17/94	6010	Barium	580	mg/kg	
J05-SB01-3-S	27.25-27.5	8/17/94	6010	Cadmium	4.4	mg/kg	
J05-SB01-3-S	27.25-27.5	8/17/94	6010	Chromium	8.1	mg/kg	
J05-SB01-3-S	27.25-27.5	8/17/94	6010	Lead	18	mg/kg	J
J05-SB01-3-S	27.25-27.5	8/17/94	6010	Selenium	7.4	mg/kg	J
J05-SB01-3-S	27.25-27.5	8/17/94	6010	Silver	< 1.1	mg/kg	
J05-SB01-3-S	27.25-27.5	8/17/94	7471	Mercury	< 0.05	mg/kg	
J05-SB01-3-S	27.0-27.25	8/17/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Benzene	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Methylene chloride	8.4	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Toluene	< 0.4	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB01-3-S	26.75-27.0	8/17/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB01-3-S	26.75-27.0	8/17/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB01-3-S	27.25-27.5	8/17/94	D2216	Moisture/TNFR	15	percent	
J05-SB01-3-S	27.25-27.5	8/17/94	D2216	Moisture/TNFR	9.2	percent	
J05-SB02-1-S	8.25-8.5	8/16/94	6010	Arsenic	< 4	mg/kg	
J05-SB02-1-S	8.25-8.5	8/16/94	6010	Barium	64	mg/kg	
J05-SB02-1-S	8.25-8.5	8/16/94	6010	Cadmium	2.1	mg/kg	
J05-SB02-1-S	8.25-8.5	8/16/94	6010	Chromium	33	mg/kg	
J05-SB02-1-S	8.25-8.5	8/16/94	6010	Lead	< 5	mg/kg	
J05-SB02-1-S	8.25-8.5	8/16/94	6010	Selenium	< 5	mg/kg	
J05-SB02-1-S	8.25-8.5	8/16/94	6010	Silver	< 1	mg/kg	
J05-SB02-1-S	8.25-8.5	8/16/94	7471	Mercury	0.077	mg/kg	J
J05-SB02-1-S	8.5-8.75	8/16/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Benzene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Methylene chloride	< 0.4	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Tetrachloroethene	< 0.6	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Toluene	< 0.4	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB02-1-S	8.75-9.0	8/16/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB02-1-S	8.5-8.75	8/16/94	D2216	Moisture/TNFR	14	percent	
J05-SB02-1-S	8.5-8.75	8/16/94	D2216	Moisture/TNFR	7.8	percent	
J05-SB02-2-S	18.5-18.75	8/16/94	6010	Arsenic	< 4	mg/kg	
J05-SB02-2-S	18.5-18.75	8/16/94	6010	Barium	70	mg/kg	
J05-SB02-2-S	18.5-18.75	8/16/94	6010	Cadmium	0.85	mg/kg	
J05-SB02-2-S	18.5-18.75	8/16/94	6010	Chromium	2.9	mg/kg	J
J05-SB02-2-S	18.5-18.75	8/16/94	6010	Lead	< 6	mg/kg	
J05-SB02-2-S	18.5-18.75	8/16/94	6010	Selenium	< 6	mg/kg	
J05-SB02-2-S	18.5-18.75	8/16/94	6010	Silver	< 1	mg/kg	
J05-SB02-2-S	18.5-18.75	8/16/94	7471	Mercury	< 0.04	mg/kg	
J05-SB02-2-S	18.75-19.0	8/16/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Benzene	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Ethylbenzene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Methylene chloride	< 0.4	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Toluene	< 0.4	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB02-2-S	19.0-19.25	8/16/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB02-2-S	18.75-19.0	8/16/94	D2216	Moisture/TNFR	9.1	percent	
J05-SB02-2-S	18.75-19.0	8/16/94	D2216	Moisture/TNFR	1.7	percent	
J05-SB02-3-S	30.25-30.5	8/16/94	6010	Arsenic	87	mg/kg	
J05-SB02-3-S	30.25-30.5	8/16/94	6010	Barium	710	mg/kg	
J05-SB02-3-S	30.25-30.5	8/16/94	6010	Cadmium	1.5	mg/kg	
J05-SB02-3-S	30.25-30.5	8/16/94	6010	Chromium	< 0.6	mg/kg	
J05-SB02-3-S	30.25-30.5	8/16/94	6010	Lead	< 5	mg/kg	
J05-SB02-3-S	30.25-30.5	8/16/94	6010	Selenium	< 5	mg/kg	
J05-SB02-3-S	30.25-30.5	8/16/94	6010	Silver	< 1	mg/kg	
J05-SB02-3-S	30.25-30.5	8/16/94	7471	Mercury	< 0.04	mg/kg	
J05-SB02-3-S	30.5-30.75	8/16/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Benzene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Dibromomethane	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Methylene chloride	< 0.4	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Toluene	< 0.4	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB02-3-S	30.75-31.0	8/16/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB02-3-S	30.5-30.75	8/16/94	D2216	Moisture/TNFR	6.4	percent	
J05-SB02-3-S	30.5-30.75	8/16/94	D2216	Moisture/TNFR	6	percent	
J05-SB03-1-S	5.75-6.0	8/16/94	6010	Arsenic	< 4	mg/kg	
J05-SB03-1-S	5.75-6.0	8/16/94	6010	Barium	54	mg/kg	
J05-SB03-1-S	5.75-6.0	8/16/94	6010	Cadmium	0.84	mg/kg	
J05-SB03-1-S	5.75-6.0	8/16/94	6010	Chromium	< 0.6	mg/kg	
J05-SB03-1-S	5.75-6.0	8/16/94	6010	Lead	< 5	mg/kg	
J05-SB03-1-S	5.75-6.0	8/16/94	6010	Selenium	< 5	mg/kg	
J05-SB03-1-S	5.75-6.0	8/16/94	6010	Silver	< 0.9	mg/kg	
J05-SB03-1-S	5.75-6.0	8/16/94	7471	Mercury	< 0.04	mg/kg	
J05-SB03-1-S	5.5-5.75	8/16/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Benzene	2.7	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Methylene chloride	< 0.4	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Toluene	< 0.4	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Total Xylene Isomers	1.1	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB03-1-S	5.25-5.5	8/16/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB03-1-S	5.5-5.75	8/16/94	D2216	Moisture/TNFR	6.8	percent	
J05-SB03-1-S	5.5-5.75	8/16/94	D2216	Moisture/TNFR	1.8	percent	
J05-SB03-2-S	17.75-18.0	8/17/94	6010	Arsenic	< 4	mg/kg	
J05-SB03-2-S	17.75-18.0	8/17/94	6010	Barium	130	mg/kg	
J05-SB03-2-S	17.75-18.0	8/17/94	6010	Cadmium	2.9	mg/kg	
J05-SB03-2-S	17.75-18.0	8/17/94	6010	Chromium	11	mg/kg	
J05-SB03-2-S	17.75-18.0	8/17/94	6010	Lead	16	mg/kg	J
J05-SB03-2-S	17.75-18.0	8/17/94	6010	Selenium	< 5	mg/kg	
J05-SB03-2-S	17.75-18.0	8/17/94	6010	Silver	< 1	mg/kg	
J05-SB03-2-S	17.75-18.0	8/17/94	7471	Mercury	< 0.04	mg/kg	
J05-SB03-2-S	17.5-17.75	8/17/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Benzene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Chloroform	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Methylene chloride	< 0.4	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Toluene	< 0.4	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB03-2-S	17.25-17.5	8/17/94	D2216	Moisture/TNFR	14	percent	
J05-SB03-2-S	17.25-17.5	8/17/94	D2216	Moisture/TNFR	7.7	percent	
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	6010	Arsenic	< 5	mg/kg	
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	6010	Barium	740	mg/kg	
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	6010	Cadmium	4	mg/kg	
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	6010	Chromium	10	mg/kg	
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	6010	Lead	24	mg/kg	J
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	6010	Selenium	11	mg/kg	J
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	6010	Silver	< 1.1	mg/kg	
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	7471	Mercury	< 0.05	mg/kg	
J05-SB03-2-SD (DP202	18.5-18.75	8/17/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Benzene	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Chlorobenzene	< 0.2	ug/kg	

Summary Table of Analytical Data

SWMU J05 - Dock 1/Landfill

Hawthorne Army Depot

Hawthorne, Nevada

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Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Methylene chloride	8.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Toluene	< 0.4	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Total Xylene isomers	< 0.6	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB03-2-SD (DP201	18.25-18.5	8/17/94	D2216	Moisture/TNFR	18	percent	
J05-SB03-2-SD (DP203	18.75-19.0	8/17/94	D2216	Moisture/TNFR	7.8	percent	

J05-SB03-3-S	28.75-29.0	8/17/94	6010	Arsenic	9.6	mg/kg	J
J05-SB03-3-S	28.75-29.0	8/17/94	6010	Barium	190	mg/kg	
J05-SB03-3-S	28.75-29.0	8/17/94	6010	Cadmium	3.9	mg/kg	
J05-SB03-3-S	28.75-29.0	8/17/94	6010	Chromium	12	mg/kg	
J05-SB03-3-S	28.75-29.0	8/17/94	6010	Lead	20	mg/kg	J
J05-SB03-3-S	28.75-29.0	8/17/94	6010	Selenium	11	mg/kg	J
J05-SB03-3-S	28.75-29.0	8/17/94	6010	Silver	< 1.1	mg/kg	
J05-SB03-3-S	28.75-29.0	8/17/94	7471	Mercury	< 0.05	mg/kg	
J05-SB03-3-S	28.5-28.75	8/17/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Benzene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Bromoform	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Bromomethane	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Chloroform	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Methylene chloride	3.3	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Toluene	< 0.4	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Trichloroethene	< 1	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SB03-3-S	28.25-28.5	8/17/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SB03-3-S	28.75-29.0	8/17/94	D2216	Moisture/TNFR	18	percent	
J05-SB03-3-S	28.75-29.0	8/17/94	D2216	Moisture/TNFR	16	percent	
J05-SB03-3-S	28.75-29.0	8/17/94	D2216	Moisture/TNFR	11	percent	
J05-SB03-3-S			D2216	Moisture/TNFR	0	percent	
J05-SG01	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG01	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG01	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	

Summary Table of Analytical Data

SWMU J05 - Dock 1/Landfill

Hawthorne Army Depot

Hawthorne, Nevada

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Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SG02	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG02	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG02	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG03	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG03	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG04	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SG04	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG05	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG05	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG06	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG06	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SG07	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG07	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG07	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG08	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG08	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG09	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG09	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	1,1-Dichloroethane	< 1	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SG10	5.0	6/25/94	M8010	1,1-Dichloroethene	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	Carbon Tetrachloride	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	Chloroform	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	Methylene Chloride	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	Tetrachloroethene	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8010	Trichloroethene	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8020	Benzene	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8020	Ethylbenzene	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8020	Toluene	< 1	ug/L	
J05-SG10	5.0	6/25/94	M8020	Total FID Volatiles	< 10	ug/L	
J05-SG10	5.0	6/25/94	M8020	Total Xylene Isomers	< 1	ug/L	
J05-SS01-1-S	0.25-0.5	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS01-1-S	0.25-0.5	7/7/94	6010	Barium	28	mg/kg	
J05-SS01-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS01-1-S	0.25-0.5	7/7/94	6010	Chromium	2.3	mg/kg	J
J05-SS01-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS01-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS01-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS01-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS01-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS01-1-S	0.25-0.5	7/7/94	D2216	Moisture/TNFR	0.4	percent	
J05-SS01-1-S	0.25-0.5	7/7/94	D2216	Moisture/TNFR	0.2	percent	
J05-SS01-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	<2	mg/kg	
J05-SS02-1-S	0.25-0.5	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS02-1-S	0.25-0.5	7/7/94	6010	Barium	34	mg/kg	
J05-SS02-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS02-1-S	0.25-0.5	7/7/94	6010	Chromium	3.2	mg/kg	J
J05-SS02-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS02-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS02-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS02-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS02-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS02-1-S	0.75-1.0	7/7/94	D2216	Moisture/TNFR	0.4	percent	
J05-SS02-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	2< X <10	mg/kg	
J05-SS03-1-S	0.25-0.5	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS03-1-S	0.25-0.5	7/7/94	6010	Barium	40	mg/kg	
J05-SS03-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS03-1-S	0.25-0.5	7/7/94	6010	Chromium	3.6	mg/kg	J
J05-SS03-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS03-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	

Summary Table of Analytical Data

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J05-SS03-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS03-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS03-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS03-1-S	0.75-1.0	7/7/94	D2216	Moisture/TNFR	0.6	percent	
J05-SS03-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	2< X <10	mg/kg	
J05-SS04-1-S	0.25-0.5	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS04-1-S	0.25-0.5	7/7/94	6010	Barium	32	mg/kg	
J05-SS04-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS04-1-S	0.25-0.5	7/7/94	6010	Chromium	2.5	mg/kg	J
J05-SS04-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS04-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS04-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS04-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS04-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS04-1-S	0.25-0.5	7/7/94	D2216	Moisture/TNFR	0.3	percent	
J05-SS04-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	2< X <10	mg/kg	
J05-SS05-1-S	0.25-1.0	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS05-1-S	0.25-1.0	7/7/94	6010	Barium	34	mg/kg	
J05-SS05-1-S	0.25-1.0	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS05-1-S	0.25-1.0	7/7/94	6010	Chromium	3	mg/kg	J
J05-SS05-1-S	0.25-1.0	7/7/94	6010	Lead	6.5	mg/kg	J
J05-SS05-1-S	0.25-1.0	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS05-1-S	0.25-1.0	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS05-1-S	0.25-1.0	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS05-1-S	0.25-1.0	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS05-1-S	0.25-1.0	7/7/94	D2216	Moisture/TNFR	0.6	percent	
J05-SS05-1-S	0.25-0.5	7/7/94	D4031	Immunoassay BTEX	2< X <10	mg/kg	
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	6010	Barium	38	mg/kg	
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	6010	Chromium	2.9	mg/kg	J
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	6010	Lead	11	mg/kg	J
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS05-1-SD (DP002	0.25-1.0	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS05-1-SD (DP003	0.25-1.0	7/7/94	8015M	TPH (as diesel)	0	mg/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	

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Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Benzene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Benzyl chloride	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Bromobenzene	< 0.4	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Bromodichloromethane	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Bromoform	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Bromomethane	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Chlorobenzene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Chloroethane	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Chloroform	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Chloromethane	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Dibromochloromethane	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Dibromomethane	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Ethylbenzene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Methylene chloride	< 0.4	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Tetrachloroethene	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Toluene	< 0.4	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Trichloroethene	< 1	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	8260	Vinyl chloride	< 0.2	ug/kg	
J05-SS05-1-SD (DP005	0.75-1.0	7/7/94	D2216	Moisture/TNFR	1	percent	
J05-SS05-1-SD (DP001	0.25-1.0	7/7/94	D2216	Moisture/TNFR	0.9	percent	
J05-SS05-1-SD (DP004	0.5-0.75	7/7/94	D4031	Immunoassay BTEX	2< X <10	mg/kg	

J05-SS06-1-S	0.25-0.5	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS06-1-S	0.25-0.5	7/7/94	6010	Barium	35	mg/kg	
J05-SS06-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS06-1-S	0.25-0.5	7/7/94	6010	Chromium	3.2	mg/kg	J
J05-SS06-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS06-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS06-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS06-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS06-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	

Summary Table of Analytical Data

SWMU J05 - Dock 1/Landfill

Hawthorne Army Depot

Hawthorne, Nevada

January 1996

FINAL

FINAL

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SS06-1-S	0.75-1.0	7/7/94	D2216	Moisture/TNFR	0.5	percent	
J05-SS06-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	<2	mg/kg	
J05-SS07-1-S	0.25-0.5	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS07-1-S	0.25-0.5	7/7/94	6010	Barium	32	mg/kg	
J05-SS07-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS07-1-S	0.25-0.5	7/7/94	6010	Chromium	2.8	mg/kg	J
J05-SS07-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS07-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS07-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS07-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS07-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS07-1-S	0.75-1.0	7/7/94	D2216	Moisture/TNFR	0.8	percent	
J05-SS07-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	2< X <10	mg/kg	
J05-SS08-1-S	0.25-0.5	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS08-1-S	0.25-0.5	7/7/94	6010	Barium	25	mg/kg	
J05-SS08-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS08-1-S	0.25-0.5	7/7/94	6010	Chromium	1.8	mg/kg	J
J05-SS08-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS08-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS08-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS08-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS08-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS08-1-S	0.75-1.0	7/7/94	D2216	Moisture/TNFR	0.3	percent	
J05-SS08-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	<2	mg/kg	
J05-SS09-1-S	0.25-0.5	7/7/94	6010	Arsenic	< 4	mg/kg	
J05-SS09-1-S	0.25-0.5	7/7/94	6010	Barium	22	mg/kg	
J05-SS09-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS09-1-S	0.25-0.5	7/7/94	6010	Chromium	2	mg/kg	J
J05-SS09-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS09-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	
J05-SS09-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS09-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS09-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS09-1-S	0.75-1.0	7/7/94	D2216	Moisture/TNFR	0	percent	
J05-SS09-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	2< X <10	mg/kg	
J05-SS10-1-S	0.25-0.5	7/7/94	6010	Arsenic	6.6	mg/kg	J
J05-SS10-1-S	0.25-0.5	7/7/94	6010	Barium	42	mg/kg	
J05-SS10-1-S	0.25-0.5	7/7/94	6010	Cadmium	< 0.2	mg/kg	
J05-SS10-1-S	0.25-0.5	7/7/94	6010	Chromium	4.4	mg/kg	J
J05-SS10-1-S	0.25-0.5	7/7/94	6010	Lead	< 5	mg/kg	
J05-SS10-1-S	0.25-0.5	7/7/94	6010	Selenium	< 5	mg/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
J05-SS10-1-S	0.25-0.5	7/7/94	6010	Silver	< 0.9	mg/kg	
J05-SS10-1-S	0.25-0.5	7/7/94	7471	Mercury	< 0.04	mg/kg	
J05-SS10-1-S	0.5-0.75	7/7/94	8015M	TPH (as diesel)	< 1	mg/kg	
J05-SS10-1-S	0.75-1.0	7/7/94	D2216	Moisture/TNFR	1	percent	
J05-SS10-1-S	0.75-1.0	7/7/94	D4031	Immunoassay BTEX	2< X <10	mg/kg	

Appendix C

Survey Data at SWMU J-05
Hawthorne Army Depot
Hawthorne, Nevada

Point Name	Northing	Easting
TEMPMON11	1391260.696	495331.9324
SB-1	1391098.086	495457.1124
SB-2	1391019.466	495868.1924
SB-3	1391359.686	495259.8924
SG-1	1390852.286	495990.2424
SG-10	1391034.276	495925.9524
SG-2	1390959.026	495817.0224
SG-3	1391027.496	495623.7624
SG-4	1391105.096	495476.2524
SG-5	1391199.106	495256.4224
SG-6	1391325.856	495142.6824
SG-7	1391301.306	495377.6724
SG-8	1391233.256	495571.4824
SG-9	1391114.156	495747.5724
SS-1	1391288.606	495111.5124
SS-10	1391001.216	495950.2424
SS-2	1391330.546	495310.4924
SS-3	1391154.286	495380.5024
SS-4	1391238.376	495522.3124
SS-5	1391050.106	495532.8624
SS-6	1391139.646	495630.3724
SS-7	1391008.896	495789.2824
SS-8	1391093.656	495821.6124
SS-9	1390881.066	495907.3524

Footnote: Survey data in Nevada State Plane West, 1927 coordinates.

Appendix D

SWMU J-05 (before)
Dock 1 Landfill

SWMU J-05 (after)
Dock 1 Landfill