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Interim Measures Report

SWMUs 14/00 and 17/04
Sanitary Landfill and Lithium Battery Disposal Area and PCB Capacitor Burial-Pole Yard
NSWC Crane, Indiana

Unit Identification Code: N00164
Contract No. N62467- N6247-93-D-1106

January 2000

Revision 0

Southern Division
Naval Facilities Engineering Command
North Charleston, South Carolina
29419-9010

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INTERIM MEASURES REPORT
SWMU 14/00 and SWMU 17/04
SANITARY LANDFILL and LITHIUM BATTERY DISPOSAL AREA and PCB CAPACITOR BURIAL POLE YARD

VOLUNTARY INTERIM MEASURES
NSWC CRANE, INDIANA

January 2000

Revision 0

CONTRACT N62467-93-D-1106
DELIVERY ORDER #0009
STATEMENT OF WORK #007

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EXECUTIVE SUMMARY

This Interim Measures Report (IMR) has been prepared by the Morrison Knudsen Corporation (MK) for the Naval Facilities Engineering Command (NAVFACENGCOM), Southern Division (SOUTHDIV), pursuant to the scope of work defined in Delivery Order #0009, under Contract #N62467-93-D-1106. All remediation actions and interim measures taken at Solid Waste Management Unit (SWMU)-14/00 and SWMU-17/04, located at the Sanitary Landfill and Lithium Battery Disposal Area and the Polychlorinated Biphenyl (PCB) Capacitor Burial-Pole Yard, respectively, Naval Surface Warfare Center, Crane, Indiana, (NSWC Crane), were performed in response to the Resource Conservation and Recovery Act (RCRA) Part B Permit for NSWC Crane.

The objectives at SWMU-14/00, *Sanitary Landfill and Lithium Battery Disposal Area*, were to locate, excavate, remove, and dispose of buried lithium batteries and contaminated soil. The buried lithium batteries were successfully located and disposed of by explosive detonation. Soil at the site with levels of nickel or lithium greater than 1,600 milligrams per kilogram (mg/kg) was excavated, removed from the site, and disposed at an off-site USEPA permitted solid waste landfill. Thirty-four crates of lithium batteries and parts were removed from SWMU-14/00 and disposed of through explosive detonation at the NSWC Crane Demolition Range under NSWC Crane's authority granted by their Interim Status, along with 337.34 tons of contaminated soil which was disposed as special waste at the Rumpke Waste Collection and Disposal Systems facility in Cincinnati, Ohio, and Heritage Environmental Services Inc., of Indianapolis, Indiana.

The objectives at SWMU-17/04, *PCB Capacitor Burial-Pole Yard,* were to locate, excavate, remove, and dispose of buried PCB capacitors and contaminated soil. SWMU-17/04 was thoroughly searched by physical excavation and scanned with a magnetometer. Search locations were established based on anomalies resulting from a geophysical investigation performed by the U.S. Army Corps of Engineers, Waterways Experiment Station (WES). Sources of the original anomalies were found to be buried rebar, wire, natural iron deposits, and various other debris; however, no PCB capacitors were found.

Based on analytical results, the work performed at the two SWMU sites, and the acceptance of that work by NSWC Crane, it is recommended that these two sites be closed with no further action required.

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ACRONYMS AND ABBREVIATIONS

CAAA	Crane Army Ammunition Activity
CFR	Code of Federal Regulations
H_2S	Hydrogen Sulfide
HSWA	Hazardous and Solid Waste Amendments
IDEM	Indiana Department of Environmental Management
IM	Interim Measure
IMR	Interim Measures Report
ISBH	Indiana State Board of Health
MK	Morrison Knudsen Corporation
MS	Matrix Spike
MS/MD	Matrix Spike/Matrix Duplicate
NAVFACENGCOM	Naval Facilities Engineering Command
NSWC Crane	Naval Surface Warfare Center, Crane, Indiana
PCB	Polychlorinated biphenyl
QAPP	Quality Assurance Project Plan
QCP	Quality Control Plan
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facilities Investigation
SAP	Sampling and Analysis Plan
SOUTHDIV	Southern Division
SWMU	Solid Waste Management Unit
USEPA	United States Environmental Protection Agency
WES	Waterways Experiment Station
µg/kg	microgram per kilogram
mg/kg	milligram per kilogram
µg/L	microgram per liter
mg/L	milligram per liter

1.0
INTRODUCTION

Morrison Knudsen Corporation (MK) was contracted by the Southern Division (SOUTHDIV), Naval Facilities Engineering Command (NAVFACENGCOM), under Contract #N62467-93-D-1106, Delivery Order #0009, Statement of Work #007, to remediate Solid Waste Management Unit (SWMU)-14/00 and SWMU-17/04, located at the *Sanitary Landfill and Lithium Battery Disposal Area and the Polychlorinated Biphenyl (PCB) Capacitor Burial-Pole Yard*, respectively, at Naval Surface Warfare Center, Crane, Indiana, (NSWC Crane). This Interim Measures Report (IMR) summarizes the construction and environmental tasks associated with the sampling, excavation, and disposal of materials from the SWMUs, during a voluntary interim measure (IM) conducted in 1995 and 1996.

Promulgation of the United States Environmental Protection Agency's (USEPA's) regulatory program under the Resource Conservation and Recovery Act (RCRA) provided the impetus to identify and control environmental contamination from past practices at NSWC Crane. On December 23, 1989, the USEPA issued the Federal portion of the final RCRA Part B permit for NSWC Crane to the U.S. Navy; the permit renewal, for a period of five years, was issued on July 31, 1995. This permit also contains the State permit conditions which were issued separately by the State of Indiana RCRA program. The permit establishes the Hazardous and Solid Waste Amendment (HSWA) corrective action requirements and compliance schedules which obligate the U.S. Navy to perform RCRA Facility Investigations (RFIs) at 30 SWMUs, to conduct Corrective Measures Studies, and to implement corrective measures if needed. A voluntary IM was performed at SWMU-14/00 and SWMU-17/04 *(Sanitary Landfill and Lithium Battery Disposal Area and the PCB Capacitor Burial-Pole Yard)* as part of the RCRA Part B Permit for NSWC Crane.

MK provided project management, construction management, scientific and environmental support, health and safety oversight, and quality control staff. Additionally, MK prepared the following project documents which describe the procedures to be used in execution of the voluntary IM at SWMU-14/00 and SWMU-17/04:

- *Work Plan and Task Specific Site Safety and Health Plan for Solid Waste Management Units 14/00 and 17/04,* Revision 0, dated May 26, 1995, (MK, 1995a)

- *General Project Plans for Interim Measures Cleanup, Revision C*, August 18, 1995, consisting of the following plans:

    - *Quality Control Plan*, Rev. C, August 18, 1995, (MK, 1995b)
    - *Quality Assurance Project Plan*, Rev. C, December 29, 1995, (MK, 1995c)
    - *Waste Management Plan*, Rev. C, August 18, 1995, (MK, 1995d)
    - *Sampling and Analysis Plan*, Rev. C, August 18, 1995, (MK, 1995e)
    - *Environmental Protection Plan*, Rev. C, August 18, 1995, (MK, 1995f)

MK received approval of the Work Plan for SWMU-14/00 and SWMU-17/04 on June 13, 1995.

The target cleanup levels for this IM were taken from "*RCRA Corrective Action Guidance Human Data Quality Levels for RFI Projects,*" June 18, 1994, (USEPA, 1994), as site-specific risk-based cleanup levels had not been developed for NSWC Crane. The target cleanup levels are discussed in Section 3.2 of this report.

2.0
SITE BACKGROUND

2.1 SITE DESCRIPTION

NSWC Crane consists of 62,463 acres located approximately seventy-five miles south of Indianapolis, Indiana. The facility, shown in Figure 2-1, provides support for equipment, shipboard weapons systems, and ordnance. In addition, NSWC Crane supports the Crane Army Ammunition Activity (CAAA), including production and renovation of conventional ammunition, as well as storage, shipment, demilitarization, and disposal of conventional ammunition.

The Indiana State Board of Health (ISBH) granted approval in 1981-82 to bury neutralized lithium batteries in the landfill located in the southwest area of NSWC Crane (Haliburton, 1992). Figure 2-2 shows the location of NSWC Crane SWMU-14/00, Sanitary Landfill and Lithium Battery Disposal Area. Figure 2-3 shows the location of lithium battery burial area and local access roads (Haliburton, 1992).

In 1977, three sealed PCB capacitors were buried at the Pole Yard area located in the north-central area of NSWC Crane (NEESA, 1983). Figure 2-2 shows the location of NSWC Crane SWMU-17/04, PCB Capacitor Burial/Pole Yard.

2.2 ENVIRONMENTAL SETTING

The topography of NSWC Crane consists of flat to gently rolling terrain dissected by numerous well-defined drainage ways. Surface elevation ranges from approximately 470 feet at the drainage exiting the southern boundary of NSWC Crane to 860 feet on a ridge in the west-central portion of the facility. Ridge crests generally lie at elevations of 750 to 800 feet (NEESA, 1983).

The surface drainage at NSWC Crane has formed a dense, dendritic pattern throughout the installation. Four drainage basins have been identified at NSWC Crane. The Sanitary Landfill and Lithium Battery Disposal Area is located in Basin V which occupies the southwest portion of the facility as shown in Figure 2-4. Surface drainage in the immediate area of the lithium battery disposal area empties into Seed Tick Creek. The PCB Capacitor Burial/Pole Yard is located in the northern portion of Basin IV which occupies the central portion of the facility as shown in Figure 2-4. Surface drainage in the immediate area of the PCB Capacitor Burial/Pole Yard empties into Turkey Creek (NEESA, 1983).

NSWC Crane is underlain by unconsolidated deposits of Quaternary (Pleistocene) age and residual soil derived from Pennsylvanian and Mississippian bedrock. The unconsolidated deposits are limited to the small floodplains and are composed of alluvial, colluvial, and paludal (marshland) silt, sand, and gravel; lacustrine clay, silt, and sand; and outwash plain gravel, sand, and silt. The remainder of NSWC Crane surficial deposits consist of residual clays and silt from the Pennsylvanian Raccoon Creek Group and Mississippian Stephensport and West Baden Groups with small areas of Quaternary clay, silt, and sand (Lacustrine deposits). The bedrock units beneath the facility, primarily Raccoon Creek and Stephensport Groups, reportedly dip gently from the Cincinnati Arch to the Illinois Basin in the southwest (NEESA, 1983).

From boring logs collected from the facility, the major soil type is a two to three-inch thick surface layer of brown to tan organic clay loam underlain by clay intermixed with silts and sand. Occasionally, a clay hardpan occurs between twenty-five and thirty-two inches below the surface (NEESA, 1983).

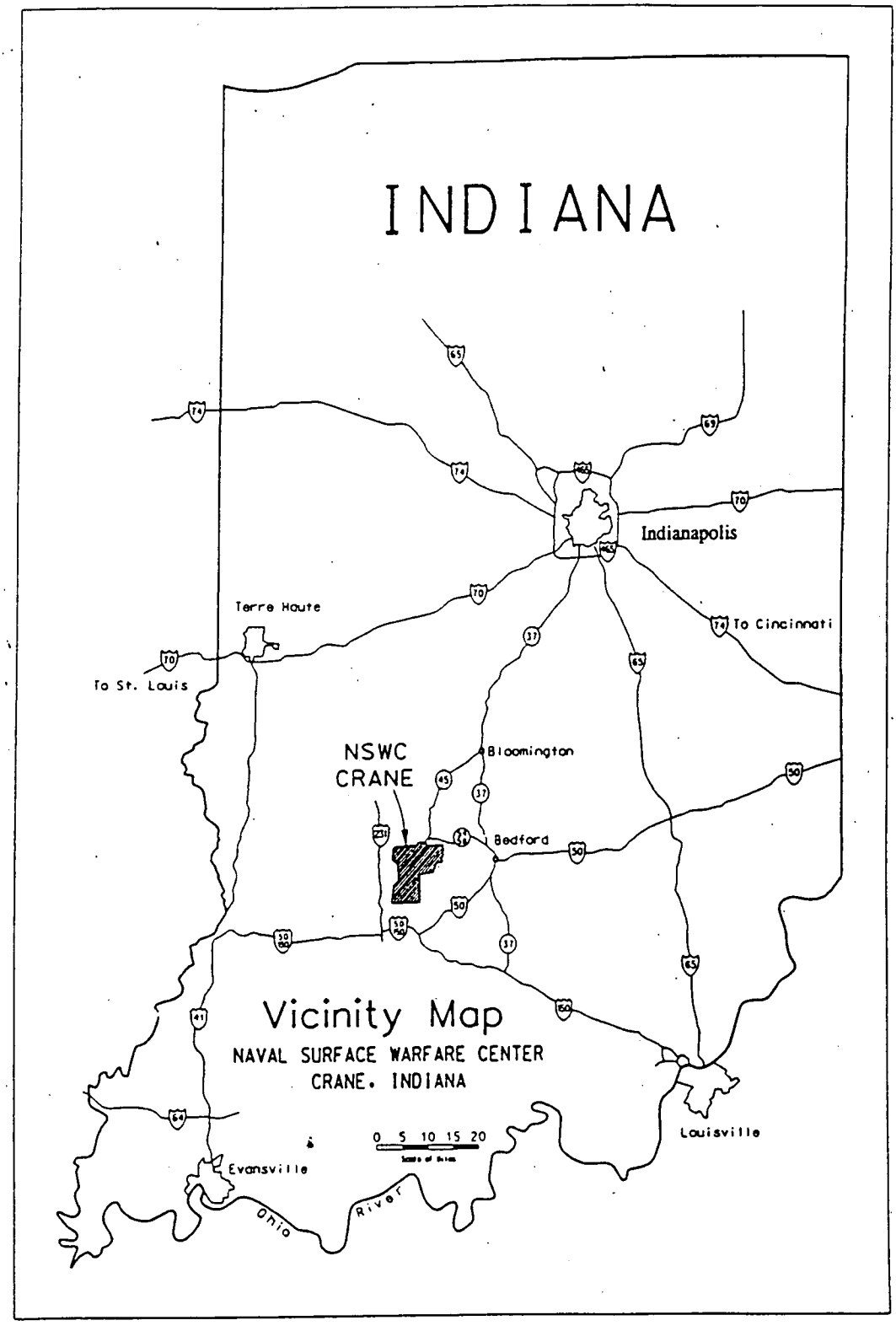


FIGURE 2-1
NSWC CRANE VICINITY MAP

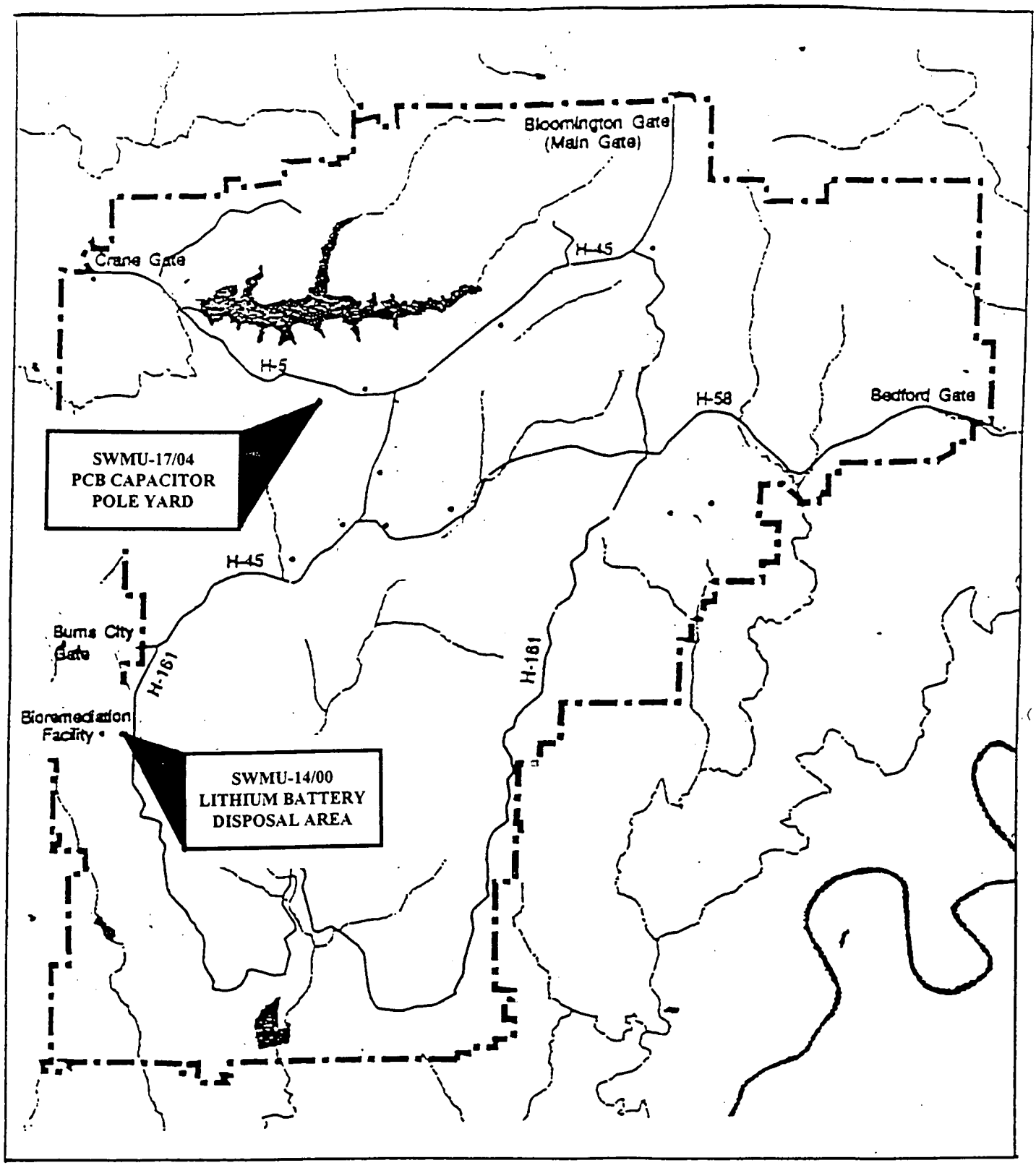


FIGURE 2-2
NSWC CRANE SWMU LOCATIONS

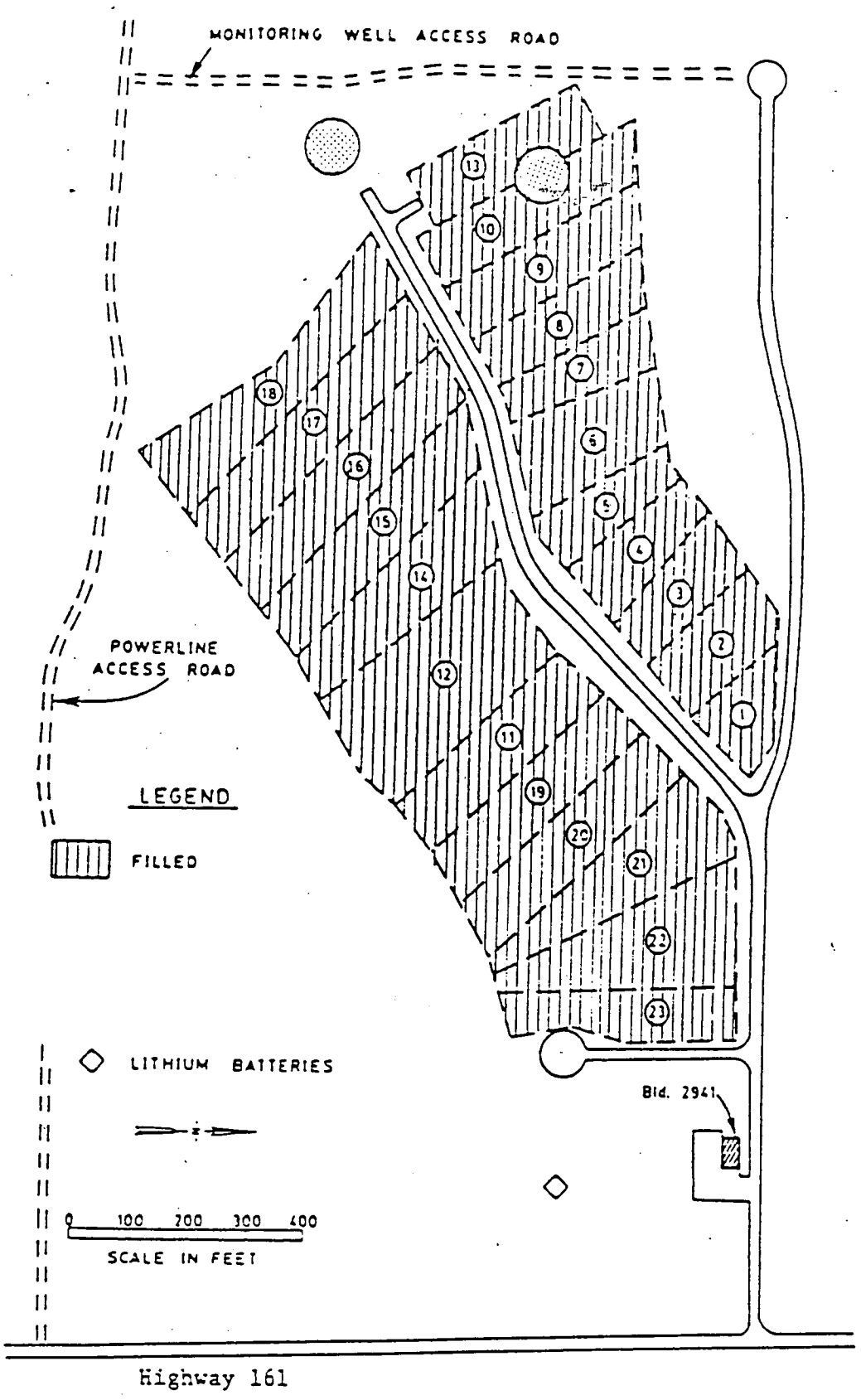


FIGURE 2-3
SANITARY LANDFILL AND LITHIUM BATTERY DISPOSAL AREA ACCESS ROADS

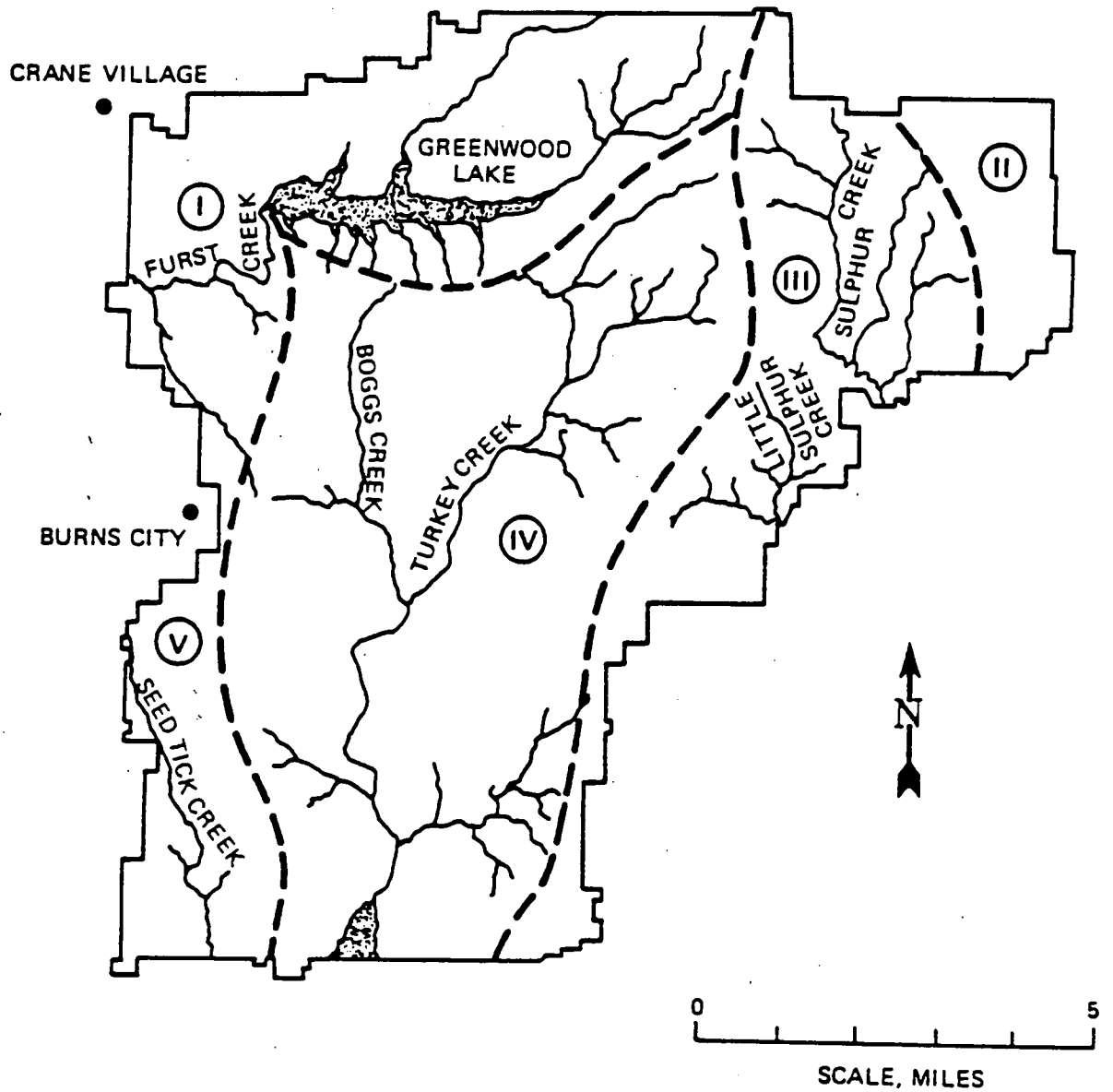


FIGURE 2-4
SURFACE DRAINAGE OF NSWC CRANE

3.0
WORK EXECUTION

3.1 SITE CHARACTERIZATION

3.1.1 SWMU-14/00

Search locations for the lithium batteries were determined by the U.S. Army Corps of Engineers, Waterways Experiment Station (WES) who performed a geophysical investigation of the area. The WES Geophysical Investigation Report at SWMU-14/00 provided locations which are shown on Figure 3-1 (WES, 1995).

Initial characterization sample (NSWC-14/00-001) and background sample, NSWC-14/00-002, were collected on June 28, 1995, from the locations shown on Figure 3-2. Waste characterization samples, NSWC-14/00-003 through NSWC-14/00-008, were also collected and are shown on Figure 3-3. These samples were analyzed for applicable Appendix IX metals and lithium. Table 3-1 provides the analytical methodologies employed. Appendix A provides a summary of the samples collected and associated analytical results. Table 1 of Appendix A provides the analytical results of the background and backfill material samples, and Table 2 of Appendix A provides the results of the characterization samples. The results of characterization sampling indicated elevated levels/concentrations as high as 534,000 micrograms per kilogram (µg/kg) of lithium and 32,200 µg/kg of nickel, in addition to concentrations well-above reporting limits for other metals such as chromium and beryllium. Photographs are provided in Appendix B, page B-2, top and bottom which show the initial soil surface conditions and sampling activities.

3.1.2 SWMU-17/04

Search locations for PCB capacitors were also determined by WES who had performed a geophysical investigation of the area. These locations are shown on Figure 3-4 (WES, 1995). Screening for PCBs was performed on June 28, 1995, on four samples taken from the suspected burial area using D-Tech field kits. No PCBs were detected.

3.2 EXCAVATION AND REMOVAL

IM cleanup levels for soil analysis are included in Appendix C of this report (i.e., Table 5 of the Sampling and Analysis Plan (SAP)). These levels were taken from USEPA memo *RCRA Corrective Action Guidance Human Data Quality Levels for RFI Projects* by Karl E. Bremer, June 18, 1994. These levels were used for this IM cleanup in the absence of site specific health risk based levels. A cleanup level for lithium was not included in Table 5 in Appendix C; these cleanup levels of 1,600 milligrams per kilogram (mg/kg) for soil and 730 micrograms per liter (µg/L) for water were provided by letter NAV/MKC-170, dated August 14, 1995 (included in Appendix C). In cases where the cleanup level could not be reported by the specified analytical method, practical reporting limits were reported per the Bremer guidance.

3.2.1 SWMU-14/00

The initial excavation began on July 27, 1995, and was performed by hand to a depth of two feet to preclude damage to the batteries, as shown in the photograph in Appendix B, page B-3, top. Once cleared by hand excavation, machine excavation (backhoe) was used to expand the area of excavation. Hand excavation was then employed for an additional two feet of depth, again followed by machine excavation. This process continued until the first battery was located at a depth of five feet, as shown in the photograph in Appendix B, page B-3, bottom. Hand excavation was employed around the battery to allow removal by machine. Once removed, the battery was inspected by the personnel from the NSWC Crane High Energy Battery Systems Branch and determined to be in poor condition, but non-reactive as shown in the photograph on page B-4, bottom, of Appendix B. A second battery which was revealed beneath the first, exhibited even greater degradation of the casing. Based on the condition of the

batteries, machine excavation was used to remove the remaining batteries. The batteries were staged on plastic within the excavation and loaded onto wooden crates for transportation and disposal, as shown in the photograph on page B-4, top, in Appendix B.

During battery removal (Appendix B, page B-5, bottom), high levels of hydrogen sulfide (H_2S) were detected (above the IDLH level). Work was suspended until a larger excavator (trackhoe) was mobilized to allow removal of the batteries without exposing the operator to dangerous levels of H_2S. The level of H_2S subsided as the work progressed.

The initial soil excavated from SWMU-14/00 was placed on plastic and later used as backfill. Each day the stockpile of soil was covered with plastic to prevent washing. Batteries were staged inside the excavation on plastic. The batteries and parts were packed in twenty-two crates for ease of transportation and disposal, then placed on plastic adjacent to the excavation as shown in the photograph on page B-6, top, of Appendix B. During periods of temporary shutdown the excavation was covered with plastic to prevent rainwater from collecting in the excavation (Appendix B, page B-5, top). Rainwater that collected on the plastic covering was sampled, analyzed (see Table 3-1 and Appendix A, Table 2; samples NSWC-14/00-004, 006, 007D, 008, and 009), and discharged into the landfill leachate collection system.

Following removal of the batteries, soil samples NSWC-14/00-0010 through NSWC-14/00-0017 were collected from the excavation (Table 3-1; Appendix A, Table 3). Note that only two samples were taken from the bottom of SWMU-14/00 as the base of the excavation was bedrock. These sample locations are shown in Figure 3-5. Final sample results indicated all constituents below the established cleanup levels, with the exception of arsenic, beryllium, and cobalt which naturally occur in the Crane geologic region (MK, 1996). The excavation was then backfilled, graded, seeded, and mulched as described in Section 3.3.

In August of 1996, excavation and grading activities were underway in preparation for construction of the Bioremediation Facility. This excavation was being performed in the same area as the previous lithium battery removal activities. During excavation, additional lithium batteries were uncovered, as shown in the photograph on page B-7, top, in Appendix B. The batteries and contaminated soil were excavated and removed using the same procedures/methods as detailed in the original battery removal. The batteries were removed and placed in twelve additional crates (part of the thirty-four) and prepared for disposal. The contaminated soil was excavated and placed directly into plastic-lined trucks for transportation and off-site disposal. Results from samples NSWC-14/00-019 through 028 indicated elevated levels/concentrations as high as 7,890,000 µg/kg of nickel, in addition to concentrations above reporting limits for other metals such as chromium, arsenic, beryllium, and cobalt. Samples NSWC-14/00-019 through -028 consistently had high levels of arsenic, beryllium, and cobalt, which naturally occur in the NSWC Crane geologic region (MK,1996); however, the high levels of nickel and chromium occurred in only one sample, NSWC-14/00-023. Additional soil was excavated in this area and a final confirmation sample was collected (NSWC-14/00 -029). Photographs are provided in Appendix B, pages B-7 and B-8. Confirmation soil sample results (NSWC-14/00-019 through 029), which verified the area as clean, are included in Table 3 in Appendix A. The additional confirmation sample locations are shown in Figure 3-6. Figure 3-7 shows the location of the SWMU-14/00 WES-reported anomalies, excavation number one as well as excavation number two, from August 1996.

3.2.2 SWMU-17/04

There were five general anomaly areas identified by WES (WES, 1995). Initial excavation began on August 8, 1995, and was performed by hand to a depth of two feet to preclude damage to the capacitors. The process alternated between hand excavation and machine, similar to the lithium battery excavation; however, no capacitors or evidence of capacitors was found. Excavation at each area was monitored with a metal detector and continued until the source of metal was found (buried rebar, wire, natural iron deposits, etc.). Three additional areas were excavated under Navy direction. These areas were excavated until undisturbed soil was encountered, and it was confirmed that no capacitors existed at the respective sites. Figure 3-8 shows the extent of excavation involved in the search for the three buried

capacitors. Soil that was excavated from SWMU-17/04 was placed on plastic and later used for backfill. Based on field screening results, this material was determined to be clean. Photos of SWMU-17/04 before, during, and after IM activities have been included in Appendix B, pages B-10 through B-17.

3.3 RECONSTRUCTION AND RESTORATION

Background and borrow pit analytical results are included in Appendix A, Table 1 of this report. Samples NSWC-BP/BF-001 and -002D were taken from the borrow source and analyzed for constituents, as indicated in the SAP, Table 4 (which is in Appendix C of this report). Moisture-density relation curves and permeability were established for the backfill material.

3.3.1 SWMU-14/00

In-place density tests were conducted during backfilling operations. A topographical survey was conducted to establish the final topography of the area. The site was backfilled with material from the on-site borrow source and restored to the contours shown on Figure 3-9. Upon completion of all backfill, the affected area was seeded, fertilized, and covered with straw. The photograph on the bottom of page B-6 in Appendix B shows the restoration of the first battery excavation. The area was monitored to ensure establishment of adequate ground cover to prevent subsequent erosion. A copy of the SWMU Acceptance and Turnover Statement (dated September 29, 1995) is included with the regulatory documents in Appendix C. Verbal acceptance was given for the additional work completed at SWMU-14/00 prior to continuing with the Bioremediation Facility construction.

3.3.2 SWMU-17/04

Soil that was excavated from SWMU-17/04 was determined to be clean and was directly reused as backfill. Implementing the same practices as with SWMU-14/00, adequate ground cover has been re-established at SWMU-17/04. A copy of the SWMU Acceptance and Turnover Statement (dated September 29, 1995) is included with the regulatory documents in Appendix C.

3.4 WASTE DISPOSAL

3.4.1 SWMU-14/00

Prior to excavation, the condition of the batteries was unknown, and, even though the batteries were deteriorated, the potential existed for unreacted lithium to be present. Therefore, it was decided that the safest alternative was to dispose of the batteries through explosive detonation as opposed to off-site disposal as specified in the Work Plan. Lithium battery disposal is included in the NSWC Crane RCRA Part A Permit for the Demolition Range. Based on recommendations from the Navy, a total of thirty-four crates, approximately four feet by two feet by two feet, containing lithium batteries and parts were removed from SWMU-14/00 and disposed of through explosive detonation at the NSWC Crane Demolition Range under NSWC Crane's authority granted by their Interim Status. Twenty-two crates were disposed of on August 23, and 24, 1995, and an additional twelve crates were disposed of on September 18, 1996. Signed copies of the Explosive Ordnance Incident Reports are included in Appendix C.

A total of 337.34 tons of lithium and nickel impacted soil from SWMU-14/00 was excavated and disposed of as special waste. Of the 337.34 tons of special waste, 290.25 tons was transported by Redbank Co. and disposed of at the Rumpke Waste Collection and Disposal Systems facility in Cincinnati, Ohio. The remaining 47.09 tons of special waste was transported by Metropolitan Environmental Inc. and disposed of at Heritage Environmental Services Inc., of Indianapolis, Indiana. Copies of the special waste manifests are provided in Appendix C.

3.4.2 SWMU-17/04

No disposal was required for SWMU-17/04.

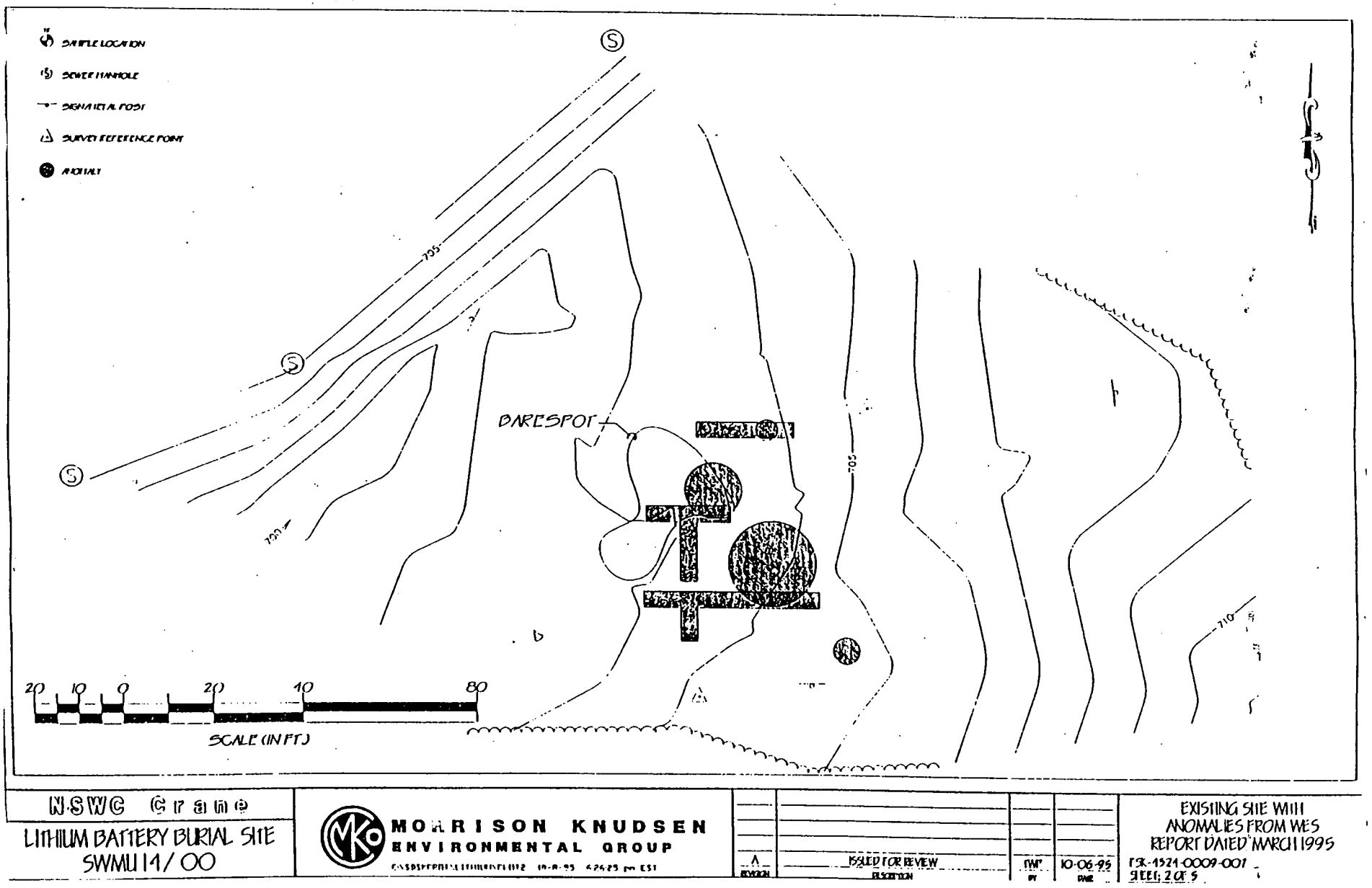


FIGURE 3-1
SWMU-14/00 EXISTING SITE ANOMALIES FROM WES REPORT

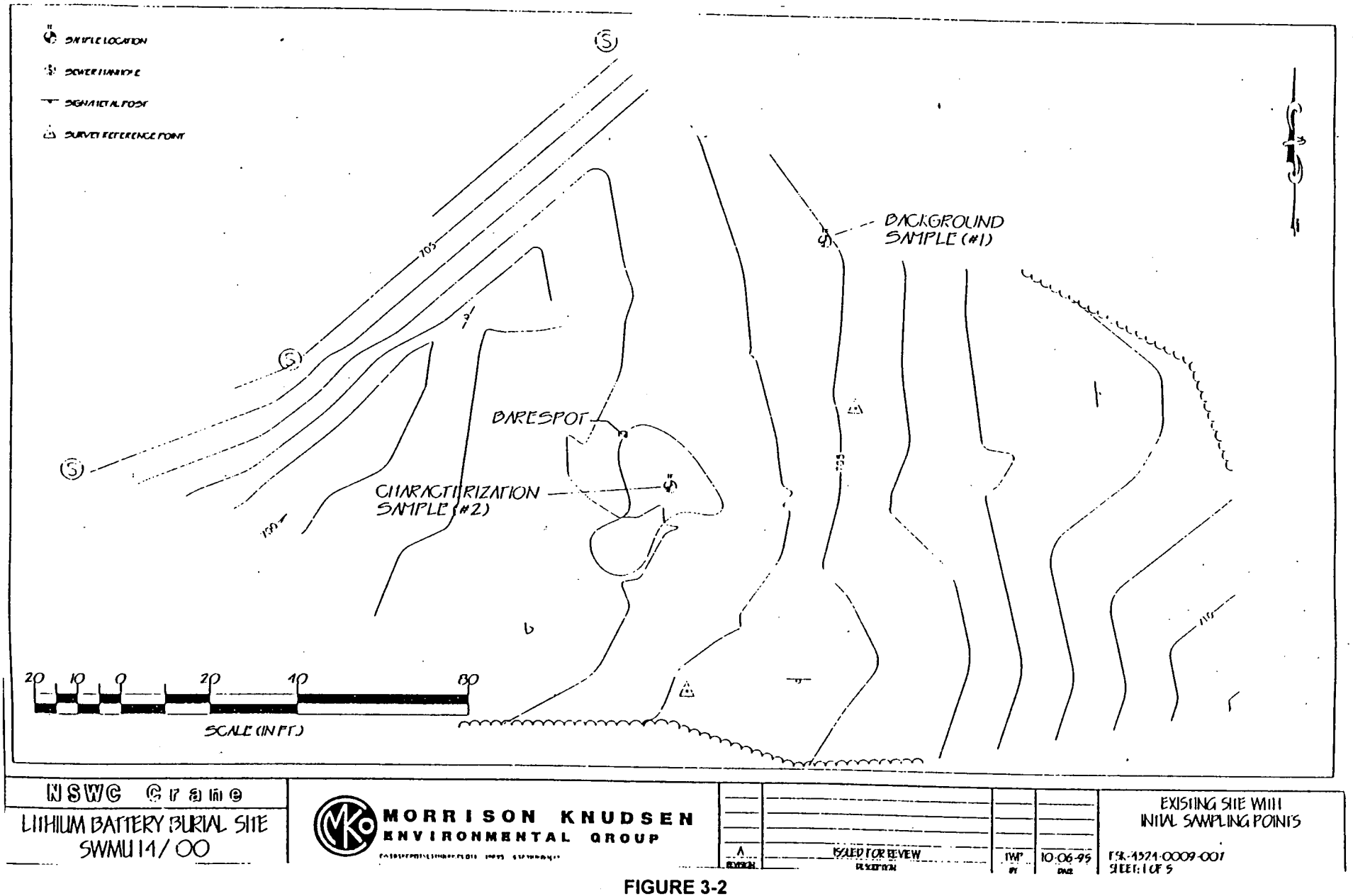


FIGURE 3-2
SWMU-14/00 INITIAL BACKGROUND AND CHARACTERIZATION SAMPLE LOCATIONS

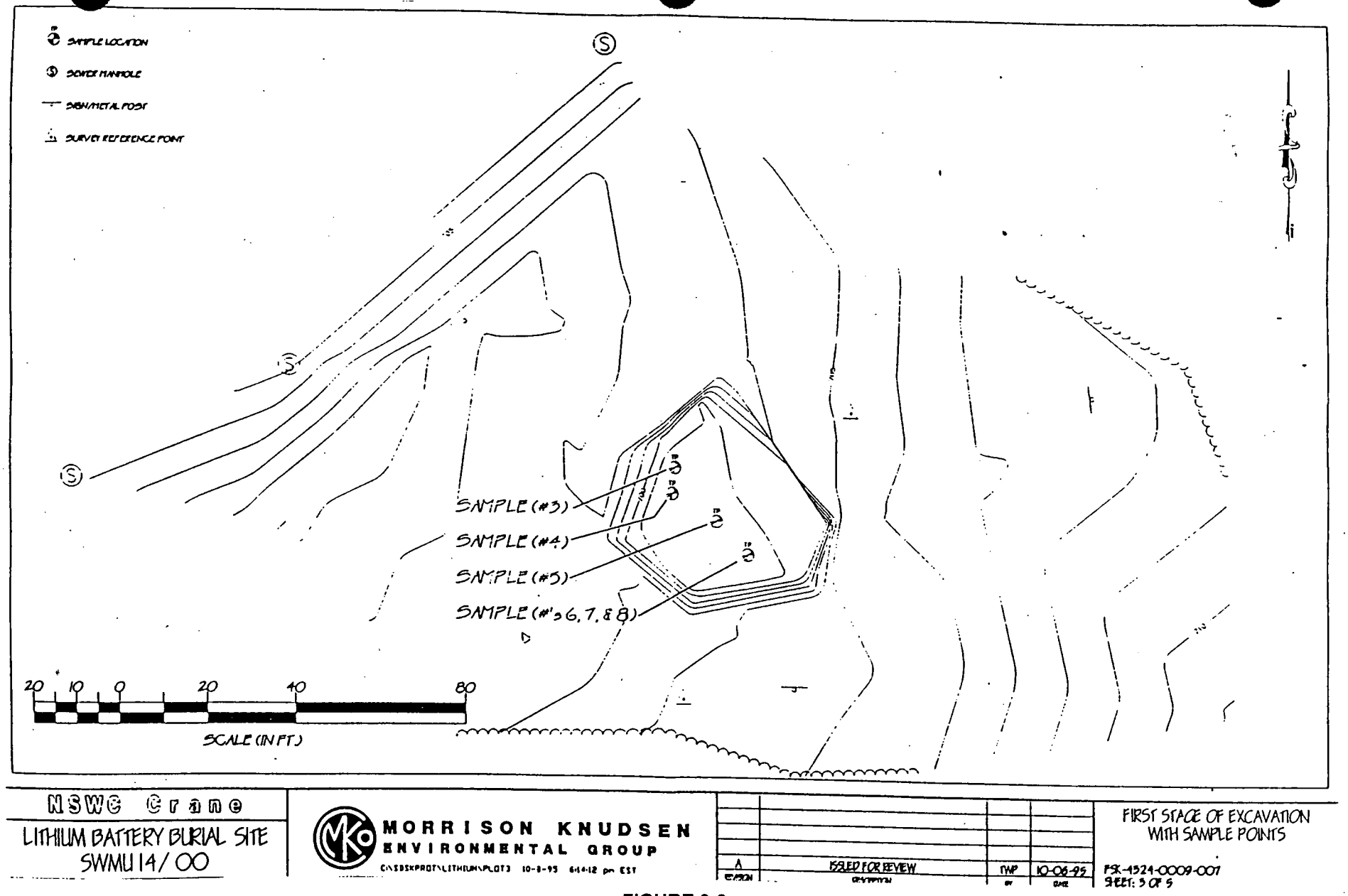


FIGURE 3-3
SWMU-14/00 CHARACTERIZATION SAMPLE LOCATIONS

TABLE 3-1 ANALYTICAL METHODS SUMMARY					
SAMPLE NO.	**MEDIUM**	**TYPE**	**DATE SAMPLED**	**ANALYSIS REQUIRED (EPA SW846)**	**LOCATION**
NSWC-14/00-001	Soil	Background	06/29/95	6010A, 7470	Surface sample in center of dead grass area.
NSWC-14/00-002	Soil	Characterization	06/29/95	6010A, 7470	Surface sample north of 001 by 41'.
NSWC-14/00-003	Soil	Characterization	07/26/95	6010A	4' below surface north of dead grass area.
NSWC-14/00-004	Liquid	Characterization	07/26/95	6010A	4' below surface north of dead grass area.
NSWC-14/00-RB3	Liquid	Characterization	07/26/95	6010A	Rinsate Blank.
NSWC-14/00-005	Soil	Characterization	07/26/95	6010A	4' below surface in excavation, black/grey clay.
NSWC-14/00-006	Soil	Characterization	07/27/95	7430, 6010A, 7470	4' below 003.
NSWC-14/00-007	Soil	Characterization	07/27/95	7430, 6010A, 7470	Duplicate of 006.
NSWC-14/00-008	Liquid	Characterization	07/27/95	6010A	Black/grey liquid 8' below surface in same area as 006.
NSWC-14/00-RB4	Liquid	Characterization	07/27/95	7430, 6010A, 7470	Rinsate Blank.
NSWC-14/00-009	Liquid	Characterization	08/07/95	6010A, Ammonia, 9010	Storm water collected on plastic covering over excavation.
NSWC-14/00-0010	Soil	Confirmatory	08/21/95	8240, 8270, 8080, 8150, 8140, 8280, 6010A, 7471, 9010, 9030	Wall sample, 6' below surface north side.
NSWC-14/00-0011D	Soil	Confirmatory	08/21/95	8240, 8270, 8080, 8150, 8140, 8280, 6010A, 7471, 9010, 9030	Wall sample, 6' below surface north side (duplicate).
NSWC-14/00-0012	Soil	Confirmatory	08/21/95	8240, 8270, 8080, 8150, 8140, 8280, 6010A, 7471, 9010, 9030	Wall sample, 6' below surface northeast side.
NSWC-14/00-0013	Soil	Confirmatory	08/21/95	8240, 8270, 8080, 8150, 8140, 8280, 6010A, 7471, 9010, 9030	Wall sample, 6' below surface southeast side.

TABLE 3-1 ANALYTICAL METHODS SUMMARY (Continued)					
SAMPLE NO.	MEDIUM	TYPE	DATE SAMPLED	ANALYSIS REQUIRED (EPA SW846)	LOCATION
NSWC-14/00-0014	Soil	Confirmatory	08/21/95	8240, 8270, 8080, 8150, 8140, 8280, 6010A, 7471, 9010, 9030	Wall sample, 6' below surface southwest side.
NSWC-14/00-0015	Soil	Confirmatory	08/21/95	8240, 8270, 8080, 8150, 8140, 8280, 6010A, 7471, 9010, 9030	Wall sample, 6' below surface southwest side.
NSWC-14/00-TB3	Liquid	Confirmatory	08/21/95	8240	Trip Blank.
NSWC-14/00-RB5	Liquid	Confirmatory	08/22/95	8240, 8270, 8080, 8150, 8140, 9010, 9030, 8280, 6010A, 7470	Rinsate Blank.
NSWC-14/00-0016	Soil	Confirmatory	08/22/95	8240, 8270, 8080, 8150, 8140, 8280, 6010A, 7471, 9010, 9030	Wall sample, 6' below surface south bottom.
NSWC-14/00-0017	Soil	Confirmatory	08/22/95	8240, 8270, 8080, 8150, 8140, 8280, 6010A, 7471, 9010, 9030	Wall sample, 6' below surface north bottom.
NSWC-BP/BF-001	Soil	Confirmatory	08/16/95	8240/8260, 8270, 8080, 8150, 8280, 6010A, 9010, 9030, 7471	Surface sample at sanitary landfill, north.
NSWC-BP/BF-002D	Soil	Confirmatory	08/16/95	8240/8260, 8270, 8080, 8150, 8280, 6010A,9010, 9030, 7471	Surface sample at sanitary landfill, south (20' from sample NSWC-16/16-001).
NSWC-14/00-0018	Soil	Confirmatory	08/12/96	8240, 8270, 8080, 8150, 6010A, 7470, 9095, 1010, 9045, 7.33, 7.34	Sample center, lithium battery find.
NSWC-14/00-019	Soil	Confirmatory	08/16/96	6010A	Sample south wall, east end.
NSWC-14/00-020	Soil	Confirmatory	08/16/96	6010A	Sample south wall, west end.
NSWC-14/00-021	Soil	Confirmatory	08/16/96	6010A	Sample west wall.
NSWC-14/00-022	Soil	Confirmatory	08/16/96	6010A	Sample west wall.
NSWC-14/00-023	Soil	Confirmatory	08/16/96	6010A	Sample north wall, west end.

TABLE 3-1 ANALYTICAL METHODS SUMMARY (Continued)					
SAMPLE NO.	**MEDIUM**	**TYPE**	**DATE SAMPLED**	**ANALYSIS REQUIRED (EPA SW846)**	**LOCATION**
NSWC-14/00-024	Soil	Confirmatory	08/16/96	6010A	Sample north wall, east end.
NSWC-14/00-025	Soil	Confirmatory	08/16/96	6010A	Sample east wall.
NSWC-14/00-026	Soil	Confirmatory	08/16/96	6010A	Sample bottom, east end.
NSWC-14/00-027	Soil	Confirmatory	08/16/96	6010A	Sample bottom, middle.
NSWC-14/00-028	Soil	Confirmatory	08/16/96	6010A	Sample bottom, west end.
NSWC-14/00-029	Soil	Confirmatory	08/28/96	6010A	Sample north wall, west end.
NSWC-14/00-TB41	Liquid	Confirmatory	08/12/96	8240	Trip Blank.

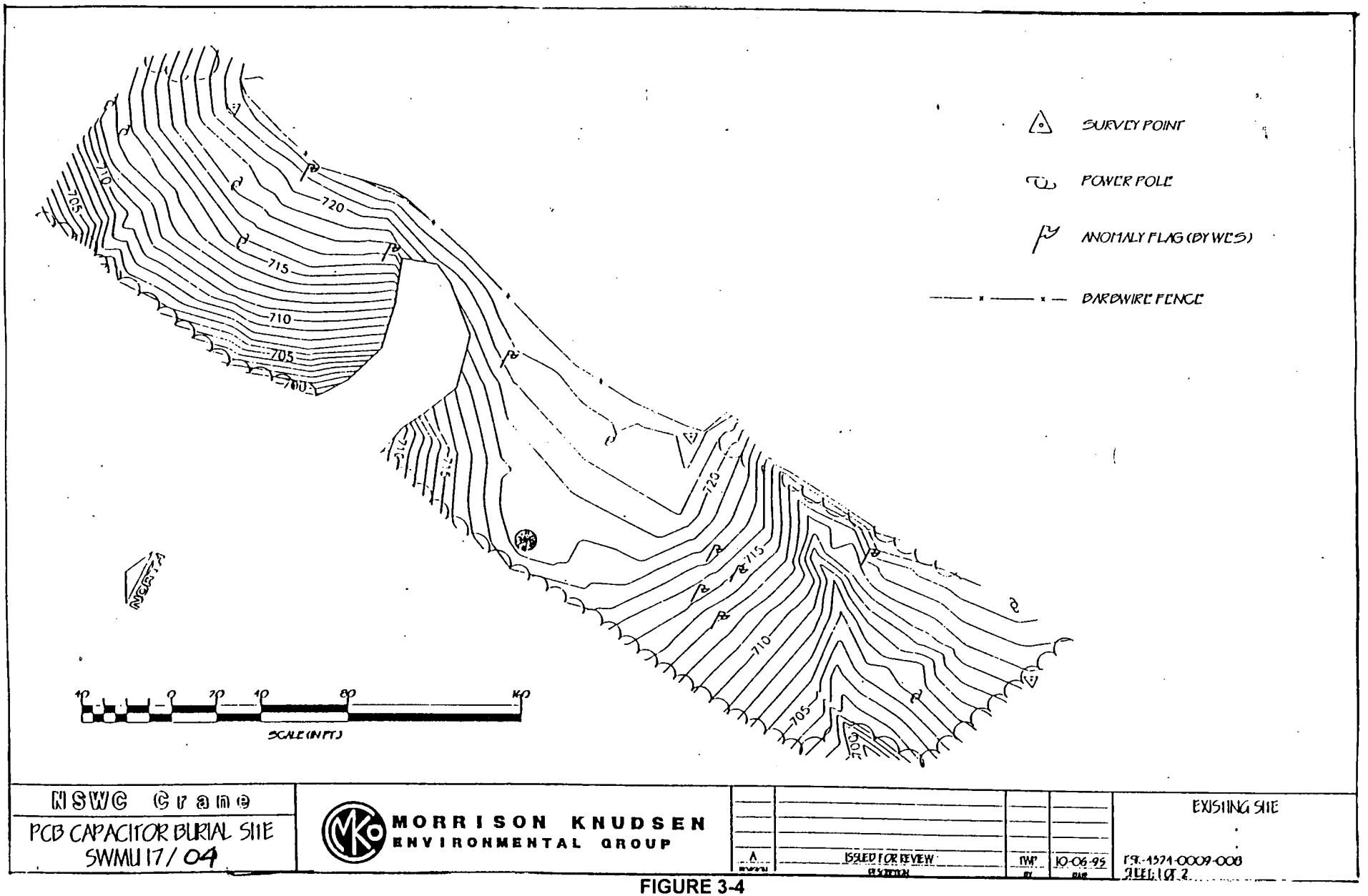
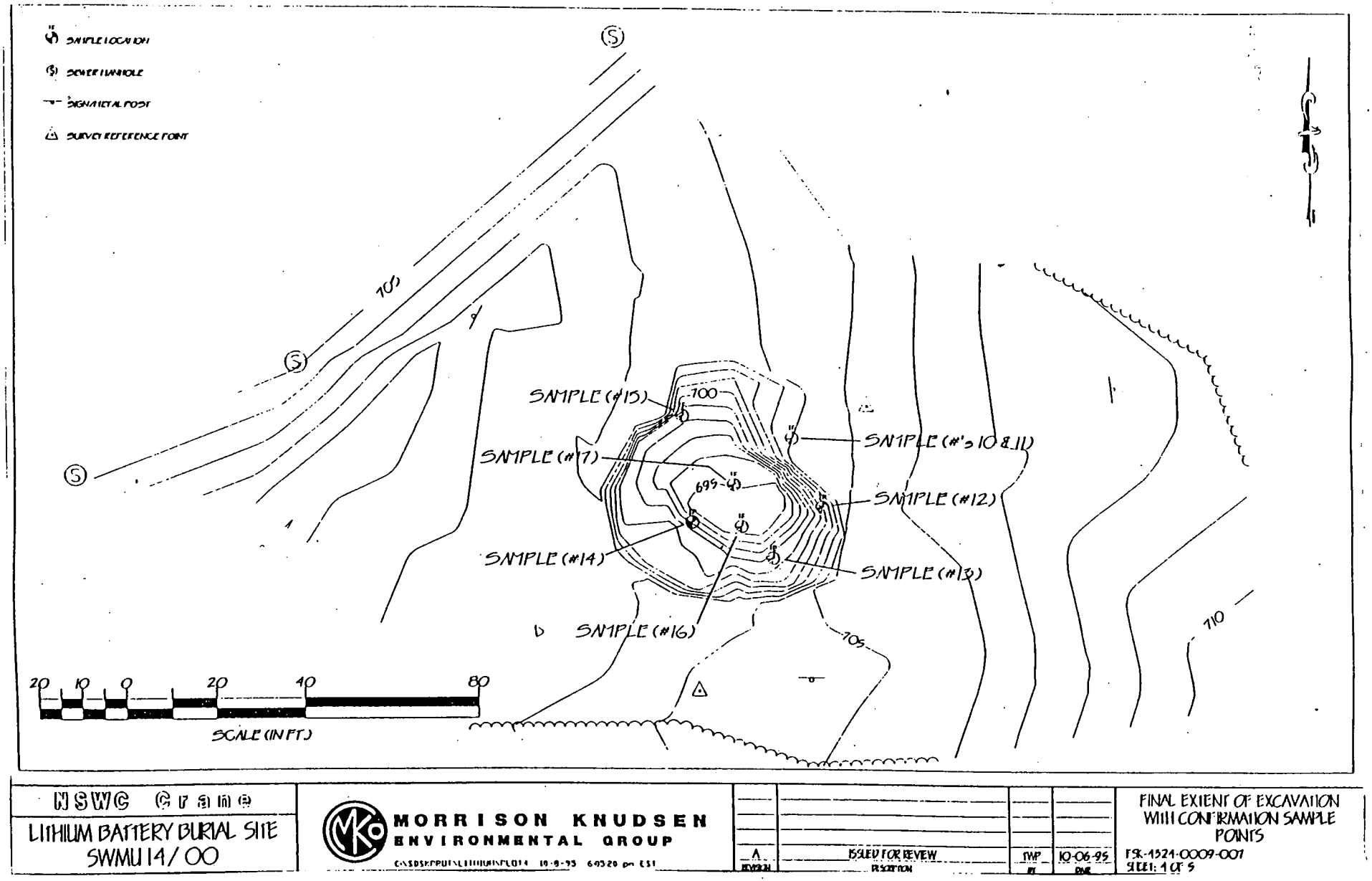


FIGURE 3-4
SWMU- 17/04 EXISTING SITE ANOMALIES FROM WES REPORT



NSWC Crane LITHIUM BATTERY BURIAL SITE SWMU 14/00	MORRISON KNUDSEN ENVIRONMENTAL GROUP	A REVISION	ISSUED FOR REVIEW DESCRIPTION	TWP BY	10-06-95 DATE	FINAL EXTENT OF EXCAVATION WITH CONFIRMATION SAMPLE POINTS FSK-1524-0009-001 SHEET: 1 OF 5

FIGURE 3-5
SWMU-14/00 EXTENT OF EXCAVATION WITH CONFIRMATION SAMPLE LOCATIONS

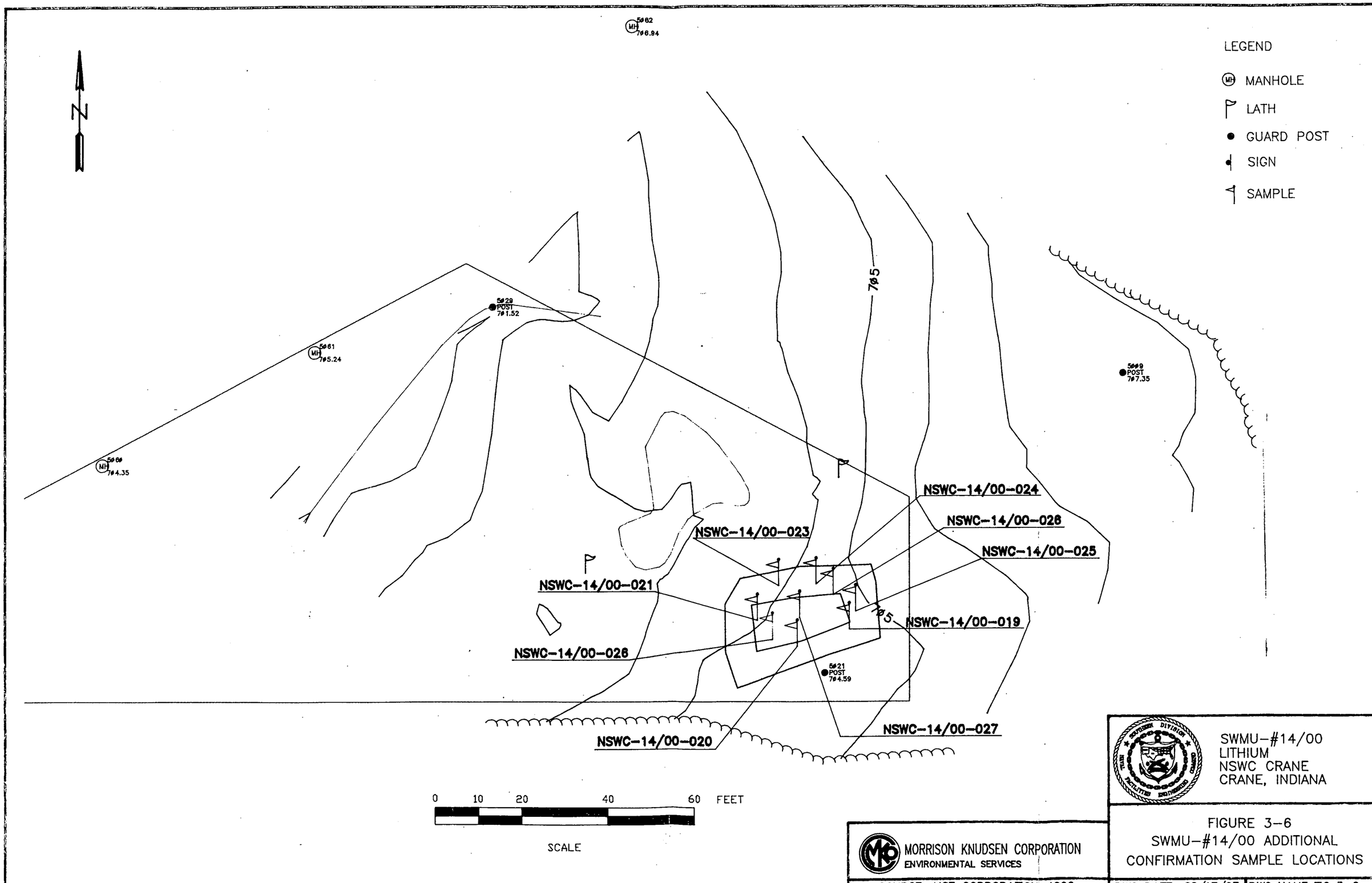


FIGURE 3-6
SWMU-#14/00 ADDITIONAL
CONFIRMATION SAMPLE LOCATIONS

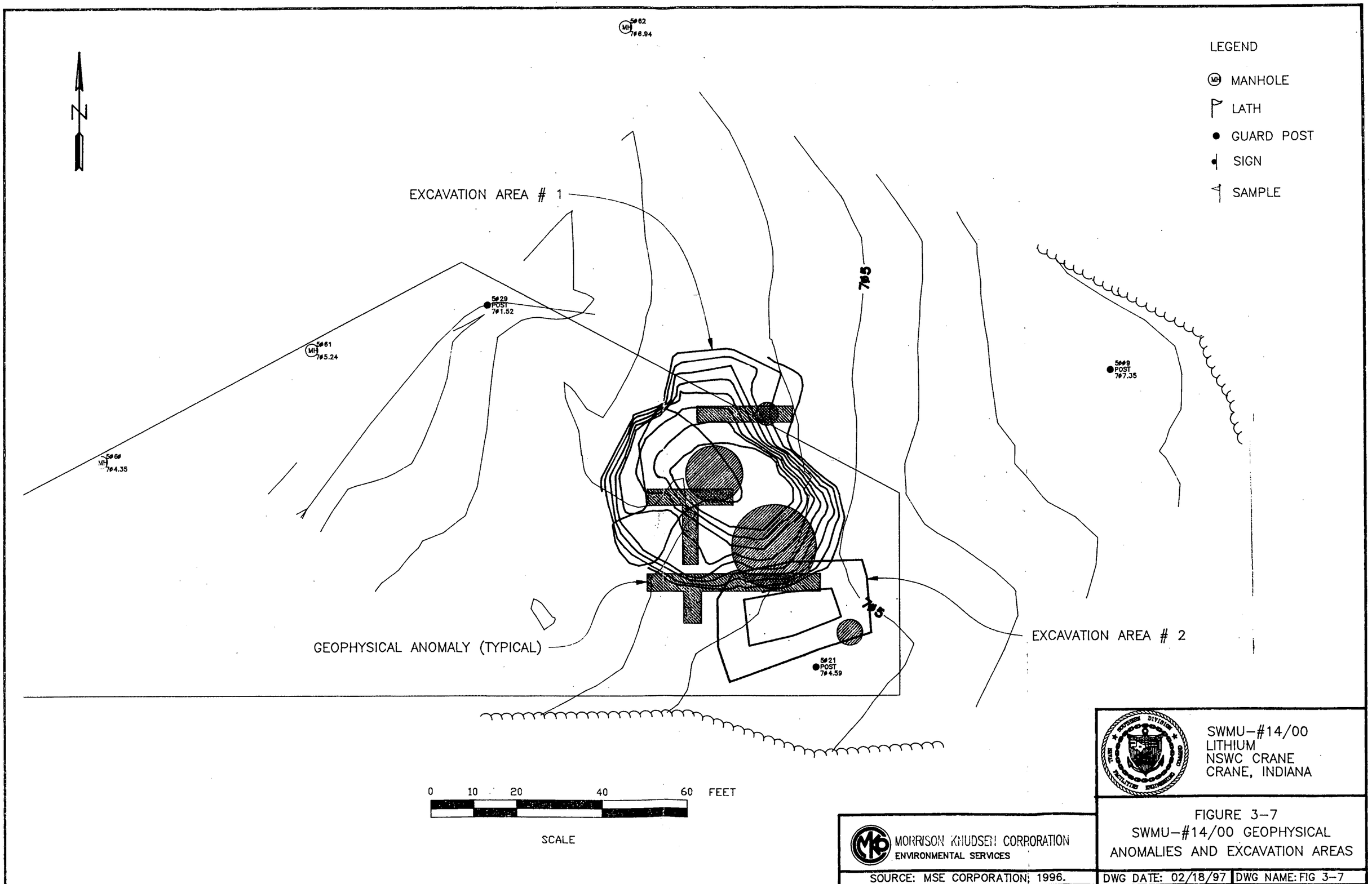
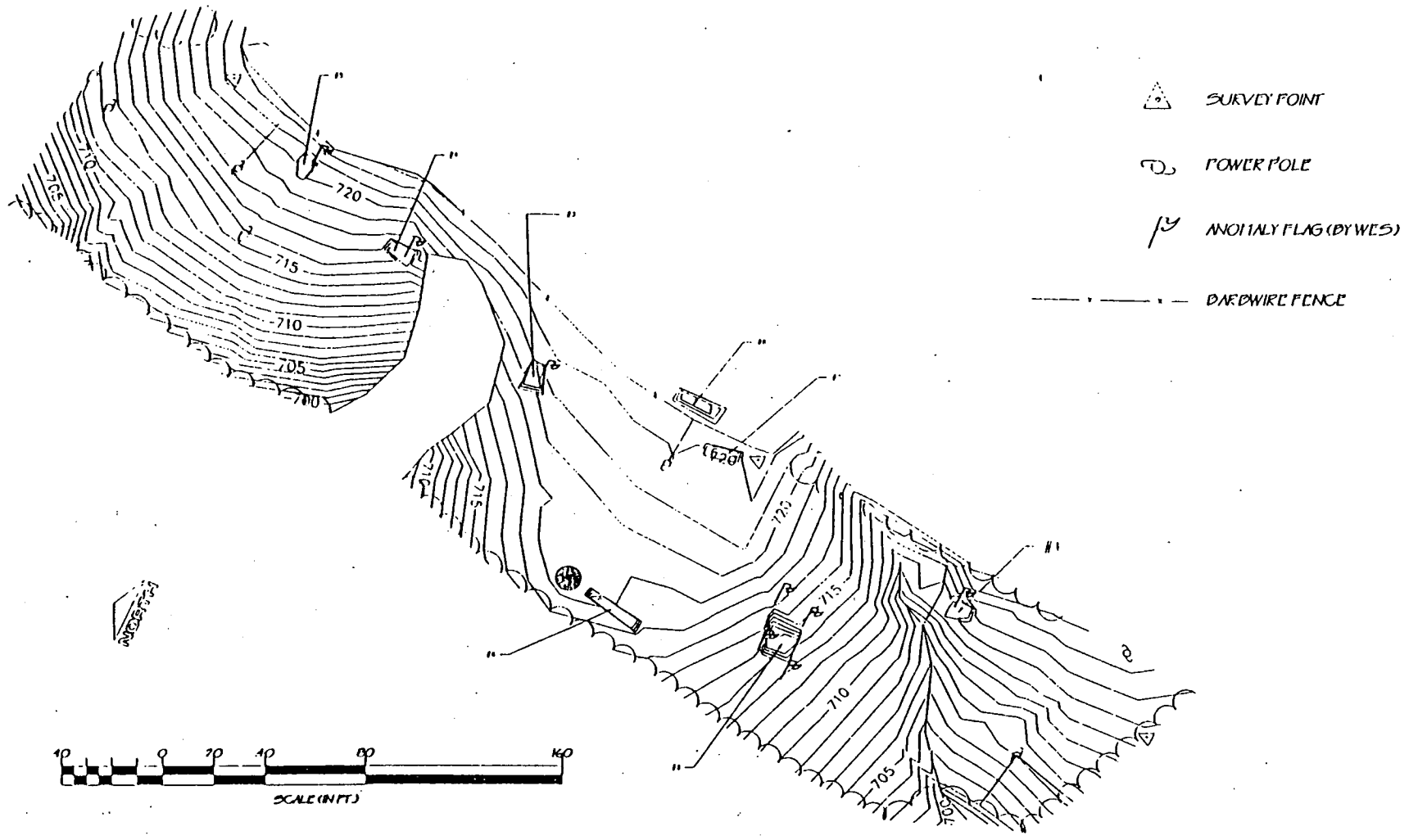


FIGURE 3-7
SWMU-#14/00 GEOPHYSICAL ANOMALIES AND EXCAVATION AREAS



NSWC Crane PCB CAPACITOR BURIAL SITE SWMU 17/04	MORRISON KNUDSEN ENVIRONMENTAL GROUP	A REVISION	ISSUED FOR REVIEW DESCRIPTION	IWP BY	10-06-95 DATE	EXCAVATION LOCATIONS SIZES AND DEPTHS FSR-1521-0009-000 SHEET: 2 OF 2

FIGURE 3-8
SWMU-17/04 EXCAVATION LOCATIONS, SIZES, AND DEPTHS

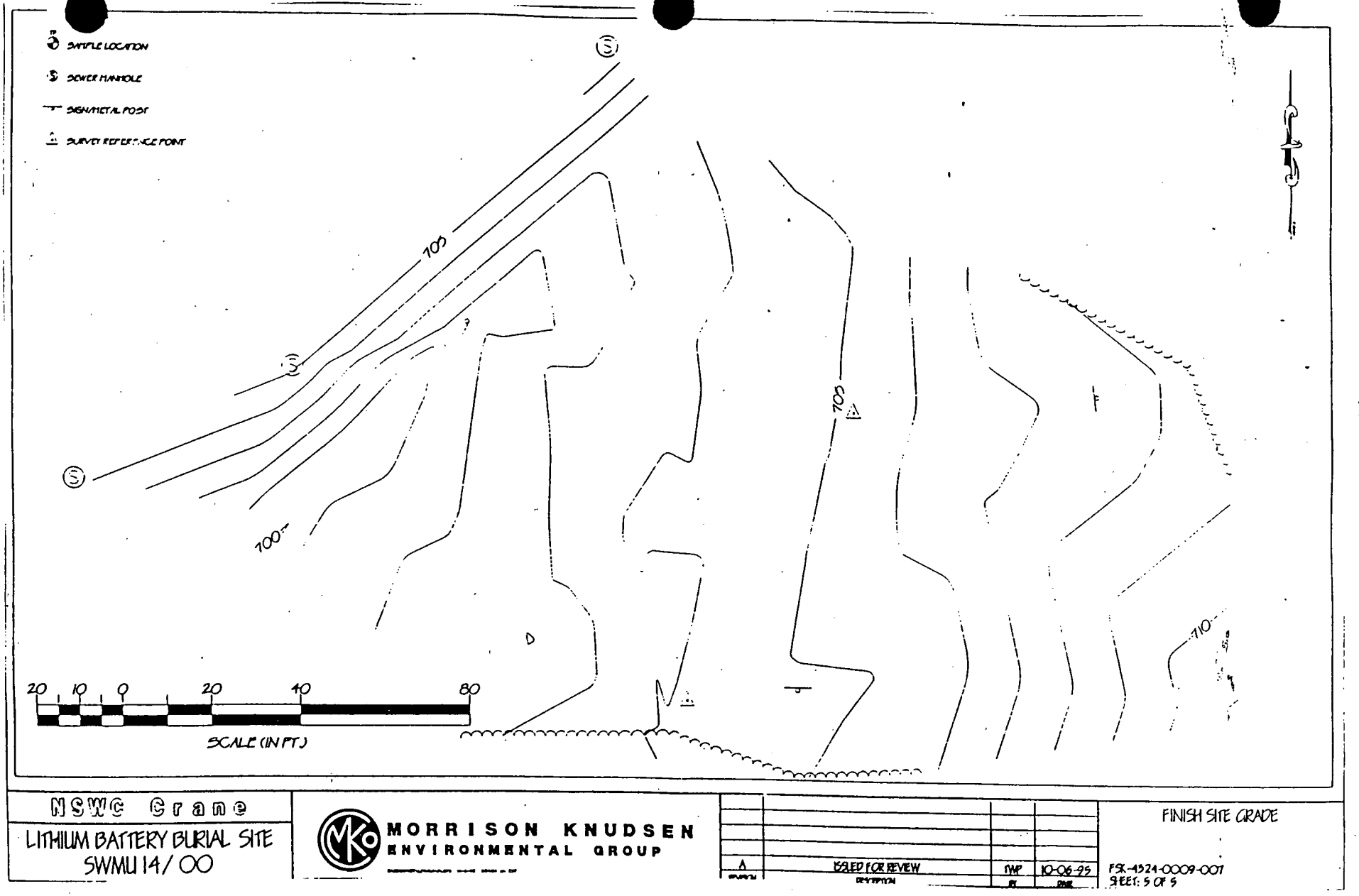


FIGURE 3-9
SWMU-14/00 FINAL SITE GRADE

4.0
SAMPLING AND ANALYSIS

4.1 SAMPLING PROCEDURES

All sample collection activities were performed in accordance with the SAP for IM cleanup. Figures 3-2, 3-3, 3-5, and 3-6 indicate the various sample locations. Chain-of-custody records were maintained for each sample shipment sent to the laboratory for analysis and are included in Appendix A. Samples were collected and preserved per the SAP in order to maintain the sample integrity. Field duplicates and trip blanks were collected and submitted to the laboratory in order to assist in evaluating field and analytical precision, accuracy, representativeness, and comparability. The laboratory performed method blank, sample matrix spike (MS), sample matrix spike/matrix duplicate (MS/MD), sample duplicate, surrogate, and standard MS analyses in order to evaluate laboratory accuracy and precision.

4.2 CHARACTERIZATION SAMPLE COLLECTION

4.2.1 SWMU-14/00

Waste characterization soil samples NSWC 14/00-001, -002, -003, -005 and -007 were collected using a stainless steel trowel and were placed in appropriate containers for sample analysis of applicable Appendix IX metals and lithium (see Table 3-1 and Appendix A, Table 2). Liquid waste characterization samples NSWC-14/00-004, -008 and -009 and NSWC 14/00-RB3 and -RB4 were collected using a disposable bailer (see Table 3-1 and Appendix A, Table 2). Sample locations are shown on Figures 3-2 and 3-3. These samples were placed in appropriate containers for sample analysis per the SAP. Sample NSWC-14/00-009 was rain water that was collected on plastic covering the open excavation at SWMU-14/00. All samples were labeled, placed in a cooler containing sufficient blue ice prior to shipment to maintain sample integrity, and shipped to the analytical laboratory. The soil and liquid samples collected from SWMU-14/00 were submitted to American Environmental Network in Columbia, Maryland, for analysis. All soil and liquid samples were transported under proper chain-of-custody procedures.

4.2.2 SWMU-17/04

Waste characterization samples NSWC-17/04-001, -002 and -003 were collected and tested for PCBs using field test kits. The results of the tests did not indicate the presence of PCBs.

4.3 COMFIRMATION SAMPLE COLLECTION

4.3.1 SWMU-14/00

Following excavation, confirmation samples NSWC-14/00-010 through -029 (Table 3-1; Appendix A, Table 3) were collected from the walls, floor, and stockpile (Figures 3-5 and 3-6). Sample quantity at the bottom of the excavation was based on the size of excavation; however, due to the bedrock at the bottom of SWMU-14/00, only two samples were taken. As a result of this bedrock, samples had to be composited. Sidewall samples were taken every twenty feet (maximum) on a 100-foot circumference. Samples were taken at any visible staining (at a minimum). Table 3-1 describes the exact locations of the samples.

Soil confirmation samples were collected by using a stainless steel core sampler lined with a two-inch diameter by six-inch long brass sleeve which was hand-driven into undisturbed soil. The brass liner was removed from the sampler and the ends sealed with Teflon tape and capped. Soil confirmation samples were also collected using a stainless steel trowel. These samples were placed in appropriate containers

for sample analysis per the SAP and analyzed for lithium and Appendix IX metals, as well as for Pesticides/PCBs, RCRA characteristics, Semi-Volatiles, Organophosphorus Pesticides, Volatiles, Herbicides, and/or Dioxin/Furans. The confirmation samples were labeled and placed in a cooler containing sufficient blue ice prior to shipment to maintain sample integrity, and shipped to the analytical laboratory. Confirmation samples NSWC-14/00-010 through -017 were submitted to American Environmental Network in Columbia, Maryland for analysis and samples NSWC-14/00-018 through -029 were submitted to CompuChem Environmental Corporation in Durham, North Carolina. All soil and liquid samples were transported using proper chain-of-custody procedures.

4.3.2 SWMU-17/04

No confirmation sampling analyses were performed at SWMU-17/04 since no buried capacitors were located and results of field screening tests did not indicate the presence of PCBs.

4.4 SAMPLE ANALYSES

All analyses were performed following USEPA methodologies to ensure complete removal of all contaminated material. The analytical methods employed for the SWMUs were in accordance with the SAP and followed *Test Methods for Evaluating Solid Waste, SW 846, USEPA, 1986,* (SW, 846) methodologies. A summary of the sampling activity and analytical results for SWMU-14/00 is included in Table 3-1 and Appendix A, Tables 1 through 3. As discussed in earlier sections, samples were analyzed for lithium and Appendix IX metals, as well as Pesticides/PCBs, RCRA characteristics, Semi-Volatiles, Organophosphorus Pesticides, Volatiles, Herbicides, and or Dioxin/Furans.

4.5 DATA QUALITY CONTROL

All sample collection activities were performed referencing the SAP. Chain-of-custody records were maintained for each sample shipment sent to the laboratory for analysis and are included with the analytical results in Appendix A.

4.5.1 Field Quality Control

Field quality control samples (which included rinse blanks, trip blanks, and field duplicate samples NSWC-14/00-RB3, -RB4, -RB5, -TB3, -TB41, and NSWC-14/00-007 and -011D) were collected during all phases of the work at SWMU-14/00. Results of the field duplicate samples are summarized in Table 3-1 and Appendix A, Table 3. Trip blanks, equipment rinsates, and field duplicate analytical results from characterization and confirmation sampling events were evaluated to identify potential sources of error introduced during sampling. Equipment rinsates were collected by flushing decontaminated sampling equipment with deionized water (from the facility), collecting the rinse water, and submitting it for analysis. Results were used to evaluate the effectiveness of decontamination procedures in preventing sample cross-contamination. With the following exception, no target compounds were detected above reporting limits in the rinsate blanks, confirming that cross-contamination of the samples through sample equipment was not a potential concern. Sample NSWC-14/00-RB5 contained the following analytes above the reporting limits: phorate, selenium, and zinc. Selenium was not detected above the reporting limit in the corresponding samples. Phorate was present in three of the corresponding samples at levels at least thirty times higher than the amount indicated in the rinsate blank. Zinc was detected in all corresponding samples at levels at least three orders of magnitude above the level indicated in the rinsate blank (Appendix A, Table 3).

Trip blank sample NSWC results were evaluated to identify any cross-contamination that may have occurred during storage and shipping of the samples to the analytical laboratory. Trip blanks were received in sealed sample containers from the laboratory and are not opened at the site. Methylene chloride and acetone were detected, at very low levels, in sample NSWC-14/00-TB3. These levels were

similar to the levels found in the corresponding method blanks and/or field samples. Extractions with methylene chloride and acetone are commonly performed in laboratories, and lab air often contains these analytes at low concentrations (Appendix A, Table 3).

Field duplicate samples are used to determine the precision of the sampling process. Duplicate samples were collected from sample locations during characterization and confirmation rounds of sampling events. Characterization sample NSWC-14/00-006 and confirmation sample NSWC-14/00-010 are identified as being field duplicate samples corresponding to samples NSWC-14/00-007 and NSWC-14/00-011, respectively (Table 3-1; Appendix A, Tables 2 and 3). Precision, as measured by relative percent difference, varied from 0.01% to 63% for analytes present in both samples. While sample NSWC-14/00 - 011 indicated the presence of phorate at 2.3 ug/kg, it was not detected in sample NSWC-14/00-010 (Appendix A, Table 3). The majority of analytes replicated well; these were not detected in the samples or their corresponding field duplicate samples.

4.5.2 Laboratory Quality Control

Laboratory analytical data was evaluated by the assessment of precision, accuracy, representativeness, comparability and completeness. Precision is a measure of the reproducibility of measurements under a given set of conditions. Laboratory duplicates and MS/MD were used to determine the precision of the analytical process. Accuracy is a measure of the bias in a measurement system and is defined as the closeness of the reported value to the true value. The accuracy of a measurement system was assessed by evaluating the results of quality control samples such as MS, analytical surrogates, and the use of field/trip blanks and equipment rinsate blanks. Representativeness in the laboratory is ensured by using the proper analytical procedures, meeting sample holding times, and analyzing and assessing field duplicated samples. Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. Analytical data are considered to be comparable when similar sampling and analytical methods are used and documented per the QAPP. Laboratory completeness is a measure of the number of valid measurements obtained from all measurements taken in the project.

Data has been reviewed to determine whether data quality objectives were met for the sampling and analytical programs. Method blanks were free of target compounds above the reporting limits. Most sample surrogate recoveries fell within acceptable ranges to meet the project data quality objectives. Surrogates spiked for one batch of pesticide analyses had recoveries out of criteria range for one of the two surrogates on both columns. Because corresponding spiked target analyte recoveries were met criteria, sample data was shown not to be impacted.

Laboratory standard spike and standard spike duplicates had acceptable results for precision. The sample MS/MD had acceptable accuracy and precision, with few exceptions. MS/MD recoveries for several metals were outside of criteria. In several cases this was due to the levels of target analytes present in the corresponding unspiked sample. In other instances, the post-digest spike recoveries were acceptable. In all cases, data was flagged appropriately.

Data quality objectives for accuracy, precision, comparability, and completeness were outlined in the QAPP. Overall, the data quality objectives for this project have been met, and data is deemed to be acceptable.

5.0
SUMMARY AND CONCLUSIONS

5.1 SWMU-14/00

The objectives at SWMU-14/00, *Sanitary Landfill and Lithium Battery Disposal Area*, were to locate, excavate, remove, and dispose of buried lithium batteries and contaminated soil based on anomalies established in the geophysical investigation performed by the U.S. Army Corps of Engineers, Waterways Experiment Station (WES). The buried lithium batteries were successfully located and disposed of by explosive detonation. Debris (e.g., batteries, rebar, wire, etc.) was removed from SWMU-14/00 as needed, using hand and machine methods. Soil at the site with levels of nickel or lithium greater than 1,600 mg/kg was excavated, removed from the site, and disposed of at an off-site USEPA-permitted solid waste landfill. Thirty-four crates of lithium batteries and parts were removed from SWMU-14/00 and disposed of through explosive detonation at the NSWC Crane Demolition Range under NSWC Crane's authority, granted by their Interim Status, along with 337.34 tons of contaminated soil, which was disposed of as special waste at the Rumpke Waste Collection and Disposal Systems facility in Cincinnati, Ohio, and Heritage Environmental Services Inc., of Indianapolis, Indiana. Photographs of the site before, during, and after the IM activities are provided in Appendix B.

All analyses were performed following USEPA SW846 methodologies. As shown in Section 4.0 and Appendix A (Tables 1 through 3) of this report, characterization samples were analyzed for RCRA/TCLP constituents. Confirmation samples were also analyzed to verify that contaminants were at or below cleanup levels. Those levels of arsenic, beryllium, and cobalt which exceed the cleanup levels are determined to be present due to natural background levels.

The confirmation sampling results met the required IM cleanup criteria, and the site restoration has been accepted by NSWC Crane personnel. Therefore, the IM has met the requirements and objectives of the work plan, and it is recommended that no further action be required for SWMU-14/00.

5.2 SWMU-17/04

The objectives at SWMU-17/04, *PCB Capacitor Burial-Pole Yard,* were to locate, excavate, remove, and dispose of buried PCB capacitors and contaminated soil. SWMU-17/04 was thoroughly searched by physical excavation and scanned with a magnetometer. Search locations were established based on anomalies resulting from a geophysical investigation performed by the U.S. Army Corps of Engineers, Waterways Experiment Station (WES). Sources of the original anomalies were found to be buried rebar, wire, natural iron deposits, and various other debris; however, no PCB capacitors were found. Additional search locations based on NSWC Crane direction also failed to uncover the buried capacitors. No disposal was required for SWMU-17/04 soil as it was determined to be clean and was reused as backfill.

6.0
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APPENDIX A

ANALYTICAL RESULTS AND CHAIN OF CUSTODY(S)

APPENDIX A

ANALYTICAL RESULTS AND CHAIN OF CUSTODY(S)

- SWMU-14/00 Analytical Results Summary
  - Table 1 (page A-3)
  - Table 2 (page A-16)
  - Table 3 (page A-21)

- Chain-of-Custody Records (10 pages)

Appendix A - Table 1

SWMU 14/00 Background and Backfill Samples

Analytical Results Summary

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-14/00-002	6/29/95	Soil	Antimony	< 2.6	MG/KG	U	2.6
			Arsenic	8.1	MG/KG		1.3
			Barium	86	MG/KG		13.2
			Beryllium	.68	MG/KG		0.26
			Cadmium	< .53	MG/KG	U	0.53
			Chromium	19.6	MG/KG		1.3
			Cobalt	8.2	MG/KG		1.4
			Copper	11.4	MG/KG		3.3
			Lead	22.2	MG/KG		1.3
			Lithium	< 13.2	MG/KG	U	13.2
			Mercury	< .13	MG/KG	U	0.13
			Nickel	14	MG/KG		2
			Selenium	< .66	MG/KG	U	0.66
			Silver	< 1.1	MG/KG	U	1.1
			Thallium	< 1.3	MG/KG	U	1.3
			Tin	< 32.9	MG/KG	U	32.9
			Vanadium	21.1	MG/KG		2.1
			Zinc	31.8	MG/KG		2.5
NSWC-BP/BF-001	8/16/95		1,1,1,2-Tetrachloroethane	< 6.2	UG/KG	U	6.2
			1,1,1-Trichloroethane	< 6.2	UG/KG	U	6.2
			1,1,2,2-Tetrachloroethane	< 6.2	UG/KG	U	6.2
			1,1,2-Trichloroethane	< 6.2	UG/KG	U	6.2
			1,1-Dichloroethane	< 6.2	UG/KG	U	6.2
			1,1-Dichloroethene	< 6.2	UG/KG	U	6.2
			1,2,3,4,6,7,8,9-OCDD	4	UG/KG		0.39
			1,2,3,4,6,7,8,9-OCDF	< .34	UG/KG	U	0.34
			1,2,3,4,6,7,8-HpCDD	< .717	UG/KG	U	0.717
			1,2,3,4,6,7,8-HpCDF	< .0813	UG/KG	U	0.0813
			1,2,3,4,7,8,9-HpCDF	< .176	UG/KG	U	0.176
			1,2,3,4,7,8-HxCDD	< .478	UG/KG	U	0.478
			1,2,3,4,7,8-HxCDF	< .616	UG/KG	U	0.616
			1,2,3,6,7,8-HxCDD	< .289	UG/KG	U	0.289
			1,2,3,6,7,8-HxCDF	< .365	UG/KG	U	0.365
			1,2,3,7,8,9-HxCDD	< .277	UG/KG	U	0.277
			1,2,3,7,8,9-HxCDF	< .428	UG/KG	U	0.428
			1,2,3,7,8-PeCDD	< .528	UG/KG	U	0.528
			1,2,3,7,8-PeCDF	< .491	UG/KG	U	0.491

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-001	8/16/95	Soil	1,2,3-Trichloropropane	< 6.2	UG/KG	U	6.2
			1,2,4,5-Tetrachlorobenzene	< 400	UG/KG	U	400
			1,2,4-Trichlorobenzene	< 400	UG/KG	U	400
			1,2-Dibromo-3-chloropropane	< 6.2	UG/KG	U	6.2
			1,2-Dibromoethane (EDB)	< 6.2	UG/KG	U	6.2
			1,2-Dichlorobenzene	< 400	UG/KG	U	400
			1,2-Dichloroethane	< 6.2	UG/KG	U	6.2
			1,2-Dichloropropane	< 6.2	UG/KG	U	6.2
			1,3-Dichlorobenzene	< 400	UG/KG	U	400
			1,3-Dinitrobenzene	< 400	UG/KG	U	400
			1,4-Dichlorobenzene	< 400	UG/KG	U	400
			1,4-Dioxane	< 1000	UG/KG	U	1000
			1,4-Naphthoquinone	< 400	UG/KG	U	400
			1-Naphthylamine	< 400	UG/KG	U	400
			2,3,4,6,7,8-HxCDF	< .503	UG/KG	U	0.503
			2,3,4,6-Tetrachlorophenol	< 400	UG/KG	U	400
			2,3,4,7,8-PeCDF	< .616	UG/KG	U	0.616
			2,3,7,8-TCDD	< .0503	UG/KG	U	0.0503
			2,3,7,8-TCDF	< .0629	UG/KG	U	0.0629
			2,4,5-Trichlorophenol	< 400	UG/KG	U	400
			2,4,6-Trichlorophenol	< 400	UG/KG	U	400
			2,4-Dichlorophenol	< 400	UG/KG	U	400
			2,4-Dimethylphenol	< 400	UG/KG	U	400
			2,4-Dinitrophenol	< 2000	UG/KG	U	2000
			2,4-Dinitrotoluene	< 400	UG/KG	U	400
			2,6-Dichlorophenol	< 400	UG/KG	U	400
			2,6-Dinitrotoluene	< 400	UG/KG	U	400
			2-Acetylaminofluorene	< 400	UG/KG	U	400
			2-Butanone	< 120	UG/KG	U	120
			2-Chloronaphthalene	< 400	UG/KG	U	400
			2-Chlorophenol	< 400	UG/KG	U	400
			2-Hexanone	< 62	UG/KG	U	62
			2-Methylnapythalene	< 400	UG/KG	U	400
			2-Methylphenol	< 400	UG/KG	U	400
			2-Naphthylamine	< 400	UG/KG	U	400
			2-Nitroaniline	< 2000	UG/KG	U	2000
			2-Nitrophenol	< 400	UG/KG	U	400
			2-Picoline	< 400	UG/KG	U	400
			3,3'-Dichlorobenzidine	< 800	UG/KG	U	800
			3,3'-Dimethylbenzidine	< 400	UG/KG	U	400
			3-Chloroprene	< 5	UG/KG	U	5
			3-Methylcholanthrene	< 400	UG/KG	U	400

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-001	8/16/95	Soil	3-Methylphenol	< 400	UG/KG	U	400
			3-Nitroaniline	< 2000	UG/KG	U	2000
			4, 4'-DDD	< 4.1	UG/KG	U	4.1
			4, 4'-DDE	< 4.1	UG/KG	U	4.1
			4, 4'-DDT	< 8.2	UG/KG	U	8.2
			4,6-Dinitro-2-methylphenol	< 2000	UG/KG	U	2000
			4-Aminobiphenyl	< 400	UG/KG	U	400
			4-Bromophenyl-phenylether	< 400	UG/KG	U	400
			4-Chloroaniline	< 800	UG/KG	U	800
			4-Chlorophenyl-phenylether	< 400	UG/KG	U	400
			4-Choro-3-methylphenol	< 400	UG/KG	U	400
			4-Methyl-2-Pentanone	< 62	UG/KG	U	62
			4-Methylphenol	< 400	UG/KG	U	400
			4-Nitroaniline	< 2000	UG/KG	U	2000
			4-Nitrophenol	< 400	UG/KG	U	400
			4-Nitroquinoline 1-oxide	< 400	UG/KG	U	400
			5-Nitro-o-toluidine	< 400	UG/KG	U	400
			7,12-Dimethylbenz(a)anthracen	< 400	UG/KG	U	400
			a,a,a-Diethylphenethylamine	< 400	UG/KG	U	400
			Acenaphthene	< 400	UG/KG	U	400
			Acenaphthylene	< 400	UG/KG	U	400
			Acetone	11	UG/KG	J	120
			Acetonitrile	< 6.2	UG/KG	U	6.2
			Acetophenone	< 400	UG/KG	U	400
			Acrolein	< 1200	UG/KG	U	1200
			Acrylonitrile	< 1200	UG/KG	U	1200
			Aldrin	< 2	UG/KG	U	2
			Allyl chloride	< 120	UG/KG	U	120
			alpha-BHC	< 2	UG/KG	U	2
			Aniline	< 400	UG/KG	U	400
			Anthracene	< 400	UG/KG	U	400
			Antimony	< 2.6	MG/KG	U	2.6
			Aramite	< 400	UG/KG	U	400
			Aroclor-1016	< 41	UG/KG	U	41
			Aroclor-1221	< 82	UG/KG	U	82
			Aroclor-1232	< 41	UG/KG	U	41
			Aroclor-1242	< 41	UG/KG	U	41
			Aroclor-1248	< 41	UG/KG	U	41
			Aroclor-1254	< 41	UG/KG	U	41
			Aroclor-1260	< 41	UG/KG	U	41
			Arsenic	9.4	MG/KG		1
			Barium	62.4	MG/KG		13

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-001	8/16/95	Soil	Benzene	< 6.2	UG/KG	U	6.2
			Benzo[a]anthracene	< 400	UG/KG	U	400
			Benzo[a]pyrene	< 400	UG/KG	U	400
			Benzo[b]fluoranthene	< 400	UG/KG	U	400
			Benzo[g,h,i]perylene	< 400	UG/KG	U	400
			Benzo[k]fluoranthene	< 400	UG/KG	U	400
			Benzyl alcohol	< 800	UG/KG	U	800
			Beryllium	.57	MG/KG		0.26
			beta-BHC	< 2	UG/KG	U	2
			bis(2-Chloroethyl)ether	< 400	UG/KG	U	400
			bis(2-Chloroisopropyl)ether	< 400	UG/KG	U	400
			bis(2-Choloethoxy)methane	< 400	UG/KG	U	400
			bis(2-Ethylhexyl)phthalate	< 400	UG/KG	U	400
			Bromodichloromethane	< 6.2	UG/KG	U	6.2
			Bromoform	< 6.2	UG/KG	U	6.2
			Bromomethane	< 12	UG/KG	U	12
			Butylbenzylphthalate	< 400	UG/KG	U	400
			Cadmium	< .52	MG/KG	U	0.52
			Carbon Disulfide	< 6.2	UG/KG	U	6.2
			Carbon Tetrachloride	< 6.2	UG/KG	U	6.2
			Chlordane	< 41	UG/KG	U	41
			Chlorobenzene	< 6.2	UG/KG	U	6.2
			Chlorobenzilate	< 82	UG/KG	U	82
			Chloroethane	< 12	UG/KG	U	12
			Chloroform	< 6.2	UG/KG	U	6.2
			Chloromethane	< 12	UG/KG	U	12
			Chloroprene	< 5	UG/KG	UZ	5
			Chromium	15.8	MG/KG		1.3
			Chrysene	< 400	UG/KG	U	400
			cis-1,3-Dichloropropene	< 6.2	UG/KG	U	6.2
			Cobalt	3.9	MG/KG		1.4
			Copper	15.3	MG/KG		3.2
			Cyanide, Total	< 1.2	MG/KG	U	1.2
			delta-BHC	< 2	UG/KG	U	2
			Di-n-butylphthalate	< 400	UG/KG	U	400
			Di-n-octylphthalate	< 400	UG/KG	U	400
			Diallate	< 409	UG/KG	U	409
			Dibenz[a,h]anthracene	< 400	UG/KG	U	400
			Dibenzofuran	< 400	UG/KG	U	400
			Dibromochloromethane	< 6.2	UG/KG	U	6.2
			Dibromomethane	< 6.2	UG/KG	U	6.2
			Dichlorodifluoromethane	< 6.2	UG/KG	U	6.2

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-001	8/16/95	Soil	Dieldrin	< 4.1	UG/KG	U	4.1
			Diethylphthalate	< 400	UG/KG	U	400
			Dimethoatte	< 4	UG/KG	U	4
			Dimethylphthalate	< 400	UG/KG	U	400
			Diphenylamine	< 400	UG/KG	U	400
			Disulfoton	< 2	UG/KG	U	2
			Endosulfan I	< 2	UG/KG	U	2
			Endosulfan II	< 4.1	UG/KG	U	4.1
			Endosulfan Sulfate	< 4.1	UG/KG	U	4.1
			Endrin	< 4.1	UG/KG	U	4.1
			Endrin aldehyde	< 4.1	UG/KG	U	4.1
			Endrin Ketone	< 4.1	UG/KG	U	4.1
			Ethyl methacrylate	< 6.2	UG/KG	U	6.2
			Ethyl methanesulfonate	< 400	UG/KG	U	400
			Ethyl Parathion	< 2	UG/KG	U	2
			Ethylbenzene	< 6.2	UG/KG	U	6.2
			Famphur	< 2	UG/KG	U	2
			Fluoranthene	< 400	UG/KG	U	400
			Fluorene	< 400	UG/KG	U	400
			gamma-BHC (Lindane)	< 4.1	UG/KG	U	4.1
			Heptachlor	< 2	UG/KG	U	2
			Heptachlor epoxide	< 2	UG/KG	U	2
			Hexachlorethane	< 400	UG/KG	U	400
			Hexachlorobenzene	< 400	UG/KG	U	400
			Hexachlorobutadiene	< 400	UG/KG	U	400
			Hexachlorocyclopentadiene	< 400	UG/KG	U	400
			Hexachloropropene	< 400	UG/KG	U	400
			Indeno[1,2,3-cd]pyrene	< 400	UG/KG	U	400
			Iodomethane	< 6.2	UG/KG	U	6.2
			Isobutyl Alcohol	< 1000	UG/KG	U	1000
			Isodrin	< 10	UG/KG	U	10
			Isophorone	< 400	UG/KG	U	400
			Isosafrole	< 400	UG/KG	U	400
			Kepone	< 41	UG/KG	U	41
			Lead	13.8	MG/KG		1.3
			Lithium	12.8	MG/KG		12.3
			m + p-Xylene	< 6.2	UG/KG	U	6.2
			Mercury	< .12	MG/KG	U	0.12
			Methacrylonitrile	< 6.2	UG/KG	U	6.2
			Methapyrilene	< 400	UG/KG	U	400
			Methoxychlor	< 20	UG/KG	U	20
			Methyl methacrylate	< 6.2	UG/KG	U	6.2

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-001	8/16/95	Soil	Methyl methanesulfonate	< 400	UG/KG	U	400
			Methyl Parathion	< 2	UG/KG	U	2
			Methylene Chloride	21	UG/KG		6.2
			N-Nitroso-di-n-propylamine	< 400	UG/KG	U	400
			N-Nitrosodibutylamine	< 400	UG/KG	U	400
			N-Nitrosodiethylamine	< 400	UG/KG	U	400
			n-Nitrosodiphenylamine	< 400	UG/KG	U	400
			N-Nitrosomethylethylamine	< 400	UG/KG	U	400
			n-Nitrosomorpholine	< 400	UG/KG	U	400
			N-Nitrosopiperidine	< 400	UG/KG	U	400
			N-Nitrosopyrrolidine	< 400	UG/KG	U	400
			Naphthalene	< 400	UG/KG	U	400
			Nickel	10	MG/KG		1.9
			Nitrobenzene	< 400	UG/KG	U	400
			o,o,o-Triethyl phosphorothioate	< 400	UG/KG	U	400
			o-Toluidine	< 400	UG/KG	U	400
			o-Xylene	< 6.2	UG/KG	U	6.2
			p-Dimethylaminoazobenzene	< 400	UG/KG	U	400
			p-Phenylenediamine	< 400	UG/KG	U	400
			Pentachlorobenzene	< 400	UG/KG	U	400
			Pentachloroethane	< 6.2	UG/KG	U	6.2
			Pentachloronitrobenzene	< 8.2	UG/KG	U	8.2
			Pentachlorophenol	< 2000	UG/KG	U	2000
			Phenacetin	< 400	UG/KG	U	400
			Phenanthrene	< 400	UG/KG	U	400
			Phenol	< 400	UG/KG	U	400
			Phorate	< 2	UG/KG	U	2
			Pronamide	< 2	UG/KG	U	2
			Propionitrile	< 6.2	UG/KG	U	6.2
			Pyrene	< 400	UG/KG	U	400
			Pyridine	< 400	UG/KG	U	400
			Safrole	< 400	UG/KG	U	400
			Selenium	< .65	MG/KG	U	0.65
			Silver	< 1	MG/KG	U	1
			Styrene	< 6.2	UG/KG	U	6.2
			Sulfide, Total	< 49	MG/KG	U	49
			sym-Trinitrobenzene	< 400	UG/KG	U	400
			Tetrachloroethene	< 6.2	UG/KG	U	6.2
			Tetraethyl dithiopyrophosphate	< 202	UG/KG	U	202
			Thallium	< 1.3	MG/KG	U	1.3
			Thionazin	< 400	UG/KG	U	400
			Tin	< 25.9	MG/KG	U	25.9

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-001	8/16/95	Soil	Toluene	< 6.2	UG/KG	U	6.2
			Toxaphene	< 200	UG/KG	U	200
			trans-1,2-Dichloroethene	< 6.2	UG/KG	U	6.2
			trans-1,3-Dichloropropene	< 6.2	UG/KG	U	6.2
			trans-1,4-Dichloro-2-butene	< 6.2	UG/KG	U	6.2
			Trichloroethene	< 6.2	UG/KG	U	6.2
			Trichlorofluoromethane	< 6.2	UG/KG	U	6.2
			Vanadium	31.2	MG/KG		2.1
			Vinyl Acetate	< 6.2	UG/KG	U	6.2
			Vinyl Chloride	< 12	UG/KG	U	12
			Zinc	39.5	MG/KG		2.6
NSWC-BP/BF-002			1,1,1,2-Tetrachloroethane	< 6.1	UG/KG	U	6.1
			1,1,1-Trichloroethane	< 6.1	UG/KG	U	6.1
			1,1,2,2-Tetrachloroethane	< 6.1	UG/KG	U	6.1
			1,1,2-Trichloroethane	< 6.1	UG/KG	U	6.1
			1,1-Dichloroethane	< 6.1	UG/KG	U	6.1
			1,1-Dichloroethene	< 6.1	UG/KG	U	6.1
			1,2,3,4,6,7,8,9-OCDD	4.5	UG/KG		0.385
			1,2,3,4,6,7,8,9-OCDF	< .335	UG/KG	U	0.335
			1,2,3,4,6,7,8-HpCDD	< .708	UG/KG	U	0.708
			1,2,3,4,6,7,8-HpCDF	< .0802	UG/KG	U	0.0802
			1,2,3,4,7,8,9-HpCDF	< .174	UG/KG	U	0.174
			1,2,3,4,7,8-HxCDD	< .472	UG/KG	U	0.472
			1,2,3,4,7,8-HxCDF	< .609	UG/KG	U	0.609
			1,2,3,6,7,8-HxCDD	< .286	UG/KG	U	0.286
			1,2,3,6,7,8-HxCDF	< .36	UG/KG	U	0.36
			1,2,3,7,8,9-HxCDD	< .273	UG/KG	U	0.273
			1,2,3,7,8,9-HxCDF	< .422	UG/KG	U	0.422
			1,2,3,7,8-PeCDD	< .522	UG/KG	U	0.522
			1,2,3,7,8-PeCDF	< .484	UG/KG	U	0.484
			1,2,3-Trichloropropane	< 6.1	UG/KG	U	6.1
			1,2,4,5-Tetrachlorobenzene	< 400	UG/KG	U	400
			1,2,4-Trichlorobenzene	< 400	UG/KG	U	400
			1,2-Dibromo-3-chloropropane	< 6.1	UG/KG	U	6.1
			1,2-Dibromoethane (EDB)	< 6.1	UG/KG	U	6.1
			1,2-Dichlorobenzene	< 400	UG/KG	U	400
			1,2-Dichloroethane	< 6.1	UG/KG	U	6.1
			1,2-Dichloropropane	< 6.1	UG/KG	U	6.1
			1,3-Dichlorobenzene	< 400	UG/KG	U	400
			1,3-Dinitrobenzene	< 400	UG/KG	U	400
			1,4-Dichlorobenzene	< 400	UG/KG	U	400
			1,4-Dioxane	< 1000	UG/KG	U	1000

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-002	8/16/95	Soil	1,4-Naphthoquinone	< 400	UG/KG	U	400
			1-Naphthylamine	< 400	UG/KG	U	400
			2,3,4,6,7,8-HxCDF	< .497	UG/KG	U	0.497
			2,3,4,6-Tetrachlorophenol	< 400	UG/KG	U	400
			2,3,4,7,8-PeCDF	< .609	UG/KG	U	0.609
			2,3,7,8-TCDD	< .0497	UG/KG	U	0.0497
			2,3,7,8-TCDF	< .0621	UG/KG	U	0.0621
			2,4,5-Trichlorophenol	< 400	UG/KG	U	400
			2,4,6-Trichlorophenol	< 400	UG/KG	U	400
			2,4-Dichlorophenol	< 400	UG/KG	U	400
			2,4-Dimethylphenol	< 400	UG/KG	U	400
			2,4-Dinitrophenol	< 2000	UG/KG	U	2000
			2,4-Dinitrotoluene	< 400	UG/KG	U	400
			2,6-Dichlorophenol	< 400	UG/KG	U	400
			2,6-Dinitrotoluene	< 400	UG/KG	U	400
			2-Acetylaminofluorene	< 400	UG/KG	U	400
			2-Butanone	< 120	UG/KG	U	120
			2-Chloronaphthalene	< 400	UG/KG	U	400
			2-Chlorophenol	< 400	UG/KG	U	400
			2-Hexanone	< 61	UG/KG	U	61
			2-Methylnapythalene	< 400	UG/KG	U	400
			2-Methylphenol	< 400	UG/KG	U	400
			2-Naphthylamine	< 400	UG/KG	U	400
			2-Nitroaniline	< 2000	UG/KG	U	2000
			2-Nitrophenol	< 400	UG/KG	U	400
			2-Picoline	< 400	UG/KG	U	400
			3,3'-Dichlorobenzidine	< 810	UG/KG	U	810
			3,3'-Dimethylbenzidine	< 400	UG/KG	U	400
			3-Chloroprene	< 5	UG/KG	U	5
			3-Methylcholanthrene	< 400	UG/KG	U	400
			3-Methylphenol	< 400	UG/KG	U	400
			3-Nitroaniline	< 2000	UG/KG	U	2000
			4, 4'-DDD	< 4	UG/KG	U	4
			4, 4'-DDE	< 4	UG/KG	U	4
			4, 4'-DDT	< 8.1	UG/KG	U	8.1
			4,6-Dinitro-2-methylphenol	< 2000	UG/KG	U	2000
			4-Aminobiphenyl	< 400	UG/KG	U	400
			4-Bromophenyl-phenylether	< 400	UG/KG	U	400
			4-Chloroaniline	< 810	UG/KG	U	810
			4-Chlorophenyl-phenylether	< 400	UG/KG	U	400
			4-Choro-3-methylphenol	< 400	UG/KG	U	400
			4-Methyl-2-Pentanone	< 61	UG/KG	U	61

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-002	8/16/95	Soil	4-Methylphenol	< 400	UG/KG	U	400
			4-Nitroaniline	< 2000	UG/KG	U	2000
			4-Nitrophenol	< 400	UG/KG	U	400
			4-Nitroquinoline 1-oxide	< 400	UG/KG	U	400
			5-Nitro-o-toluidine	< 400	UG/KG	U	400
			7,12-Dimethylbenz(a)anthracen	< 400	UG/KG	U	400
			a,a,a-Diethylphenethylamine	< 400	UG/KG	U	400
			Acenaphthene	< 400	UG/KG	U	400
			Acenaphthylene	< 400	UG/KG	U	400
			Acetone	7.7	UG/KG	J	120
			Acetonitrile	< 6.1	UG/KG	U	6.1
			Acetophenone	< 400	UG/KG	U	400
			Acrolein	< 1200	UG/KG	U	1200
			Acrylonitrile	< 1200	UG/KG	U	1200
			Aldrin	< 2	UG/KG	U	2
			Allyl chloride	< 120	UG/KG	U	120
			alpha-BHC	< 2	UG/KG	U	2
			Aniline	< 400	UG/KG	U	400
			Anthracene	< 400	UG/KG	U	400
			Antimony	< 2.4	MG/KG	U	2.4
			Aramite	< 400	UG/KG	U	400
			Aroclor-1016	< 40	UG/KG	U	40
			Aroclor-1221	< 81	UG/KG	U	81
			Aroclor-1232	< 40	UG/KG	U	40
			Aroclor-1242	< 40	UG/KG	U	40
			Aroclor-1248	< 40	UG/KG	U	40
			Aroclor-1254	< 40	UG/KG	U	40
			Aroclor-1260	< 40	UG/KG	U	40
			Arsenic	9	MG/KG		0.96
			Barium	65.1	MG/KG		12
			Benzene	< 6.1	UG/KG	U	6.1
			Benzo[a]anthracene	< 400	UG/KG	U	400
			Benzo[a]pyrene	< 400	UG/KG	U	400
			Benzo[b]fluoranthene	< 400	UG/KG	U	400
			Benzo[g,h,i]perylene	< 400	UG/KG	U	400
			Benzo[k]fluoranthene	< 400	UG/KG	U	400
			Benzyl alcohol	< 810	UG/KG	U	810
			Beryllium	.56	MG/KG		0.24
			beta-BHC	< 2	UG/KG	U	2
			bis(2-Chloroethyl)ether	< 400	UG/KG	U	400
			bis(2-Chloroisopropyl)ether	< 400	UG/KG	U	400
			bis(2-Choloethoxy)methane	< 400	UG/KG	U	400

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-002	8/16/95	Soil	bis(2-Ethylhexyl)phthalate	< 400	UG/KG	U	400
			Bromodichloromethane	< 6.1	UG/KG	U	6.1
			Bromoform	< 6.1	UG/KG	U	6.1
			Bromomethane	< 12	UG/KG	U	12
			Butylbenzylphthalate	< 400	UG/KG	U	400
			Cadmium	< .48	MG/KG	U	0.48
			Carbon Disulfide	< 6.1	UG/KG	U	6.1
			Carbon Tetrachloride	< 6.1	UG/KG	U	6.1
			Chlordane	< 40	UG/KG	U	40
			Chlorobenzene	< 6.1	UG/KG	U	6.1
			Chlorobenzilate	< 81	UG/KG	U	81
			Chloroethane	< 12	UG/KG	U	12
			Chloroform	< 6.1	UG/KG	U	6.1
			Chloromethane	< 12	UG/KG	U	12
			Chloroprene	< 5	UG/KG	UZ	5
			Chromium	16.9	MG/KG		1.2
			Chrysene	< 400	UG/KG	U	400
			cis-1,3-Dichloropropene	< 6.1	UG/KG	U	6.1
			Cobalt	4.6	MG/KG		1.3
			Copper	16.1	MG/KG		3
			Cyanide, Total	< 1.2	MG/KG	U	1.2
			delta-BHC	< 2	UG/KG	U	2
			Di-n-butylphthalate	< 400	UG/KG	U	400
			Di-n-octylphthalate	< 400	UG/KG	U	400
			Diallate	< 403	UG/KG	U	403
			Dibenz[a,h]anthracene	< 400	UG/KG	U	400
			Dibenzofuran	< 400	UG/KG	U	400
			Dibromochloromethane	< 6.1	UG/KG	U	6.1
			Dibromomethane	< 6.1	UG/KG	U	6.1
			Dichlorodifluoromethane	< 6.1	UG/KG	U	6.1
			Dieldrin	< 4	UG/KG	U	4
			Diethylphthalate	< 400	UG/KG	U	400
			Dimethoate	< 4	UG/KG	U	4
			Dimethylphthalate	< 400	UG/KG	U	400
			Diphenylamine	< 400	UG/KG	U	400
			Disulfaton	< 2	UG/KG	U	2
			Endosulfan I	< 2	UG/KG	U	2
			Endosulfan II	< 4	UG/KG	U	4
			Endosulfan Sulfate	< 4	UG/KG	U	4
			Endrin	< 4	UG/KG	U	4
			Endrin aldehyde	< 4	UG/KG	U	4
			Endrin Ketone	< 4	UG/KG	U	4

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-002	8/16/95	Soil	Ethyl methacrylate	< 6.1	UG/KG	U	6.1
			Ethyl methanesulfonate	< 400	UG/KG	U	400
			Ethyl Parathion	< 2	UG/KG	U	2
			Ethylbenzene	< 6.1	UG/KG	U	6.1
			Famphur	< 2	UG/KG	U	2
			Fluoranthene	< 400	UG/KG	U	400
			Fluorene	< 400	UG/KG	U	400
			gamma-BHC (Lindane)	< 4	UG/KG	U	4
			Heptachlor	< 2	UG/KG	U	2
			Heptachlor epoxide	< 2	UG/KG	U	2
			Hexachlorethane	< 400	UG/KG	U	400
			Hexachlorobenzene	< 400	UG/KG	U	400
			Hexachlorobutadiene	< 400	UG/KG	U	400
			Hexachlorocyclopentadiene	< 400	UG/KG	U	400
			Hexachloropropene	< 400	UG/KG	U	400
			Indeno[1,2,3-cd]pyrene	< 400	UG/KG	U	400
			Iodomethane	< 6.1	UG/KG	U	6.1
			Isobutyl Alcohol	< 1000	UG/KG	U	1000
			Isodrin	< 10	UG/KG	U	10
			Isophorone	< 400	UG/KG	U	400
			Isosafrole	< 400	UG/KG	U	400
			Kepone	< 40	UG/KG	U	40
			Lead	14.9	MG/KG		1.2
			Lithium	11.7	MG/KG		10.9
			m + p-Xylene	< 6.1	UG/KG	U	6.1
			Mercury	< .1	MG/KG	U	0.1
			Methacrylonitrile	< 6.1	UG/KG	U	6.1
			Methapyrilene	< 400	UG/KG	U	400
			Methoxychlor	< 20	UG/KG	U	20
			Methyl methacrylate	< 6.1	UG/KG	U	6.1
			Methyl methanesulfonate	< 400	UG/KG	U	400
			Methyl Parathion	< 2	UG/KG	U	2
			Methylene Chloride	16	UG/KG		6.1
			N-Nitroso-di-n-propylamine	< 400	UG/KG	U	400
			N-Nitrosodibutylamine	< 400	UG/KG	U	400
			N-Nitrosodiethylamine	< 400	UG/KG	U	400
			n-Nitrosodiphenylamine	< 400	UG/KG	U	400
			N-Nitrosomethylethylamine	< 400	UG/KG	U	400
			n-Nitrosomorpholine	< 400	UG/KG	U	400
			N-Nitrosopiperidine	< 400	UG/KG	U	400
			N-Nitrosopyrrolidine	< 400	UG/KG	U	400
			Naphthalene	< 400	UG/KG	U	400

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-BP/BF-002	8/16/95	Soil	Nickel	10.8	MG/KG		1.8
			Nitrobenzene	< 400	UG/KG	U	400
			o,o,o-Triethyl phosphorothioate	< 400	UG/KG	U	400
			o-Toluidine	< 400	UG/KG	U	400
			o-Xylene	< 6.1	UG/KG	U	6.1
			p-Dimethylaminoazobenzene	< 400	UG/KG	U	400
			p-Phenylenediamine	< 400	UG/KG	U	400
			Pentachlorobenzene	< 400	UG/KG	U	400
			Pentachloroethane	< 6.1	UG/KG	U	6.1
			Pentachloronitrobenzene	< 8.1	UG/KG	U	8.1
			Pentachlorophenol	< 2000	UG/KG	U	2000
			Phenacetin	< 400	UG/KG	U	400
			Phenanthrene	< 400	UG/KG	U	400
			Phenol	< 400	UG/KG	U	400
			Phorate	< 2	UG/KG	U	2
			Pronamide	< 2	UG/KG	U	2
			Propionitrile	< 6.1	UG/KG	U	6.1
			Pyrene	< 400	UG/KG	U	400
			Pyridine	< 400	UG/KG	U	400
			Safrole	< 400	UG/KG	U	400
			Selenium	< .6	MG/KG	U	0.6
			Silver	< .96	MG/KG	U	0.96
			Styrene	< 6.1	UG/KG	U	6.1
			Sulfide, Total	< 49	MG/KG	U	49
			sym-Trinitrobenzene	< 400	UG/KG	U	400
			Tetrachloroethene	< 6.1	UG/KG	U	6.1
			Tetraethyl dithiopyrophosphate	< 200	UG/KG	U	200
			Thallium	< 1.2	MG/KG	U	1.2
			Thionazin	< 400	UG/KG	U	400
			Tin	< 24	MG/KG	U	24
			Toluene	< 6.1	UG/KG	U	6.1
			Toxaphene	< 200	UG/KG	U	200
			trans-1,2-Dichloroethene	< 6.1	UG/KG	U	6.1
			trans-1,3-Dichloropropene	< 6.1	UG/KG	U	6.1
			trans-1,4-Dichloro-2-butene	< 6.1	UG/KG	U	6.1
			Trichloroethene	< 6.1	UG/KG	U	6.1
			Trichlorofluoromethane	< 6.1	UG/KG	U	6.1
			Vanadium	30.8	MG/KG		1.9
			Vinyl Acetate	< 6.1	UG/KG	U	6.1
			Vinyl Chloride	< 12	UG/KG	U	12
			Zinc	41.9	MG/KG		2.4

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit

Organic Data Qualifier Code Descriptions:

U = Compound or analyte was analyzed for but not detected.

J = Value is estimated.

B = Compound or analyte was found in the associated method blank.

Z = Compound reported on semi-quantitative basis.

Inorganic Data Qualifier Code Descriptions:

U = Compound or analyte was analyzed for but not detected.

B = Value is estimated above the IDL but below the CRDL.

Appendix A - Table 2

SWMU 14/00 Characterization Samples

Analytical Results Summary

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-14/00-001	6/29/95	Soil	Antimony	< 2.5	MG/KG	U	2.5
			Arsenic	11.1	MG/KG		1.3
			Barium	51.6	MG/KG		12.7
			Beryllium	.85	MG/KG		0.25
			Cadmium	< .51	MG/KG	U	0.51
			Chromium	10.2	MG/KG		1.2
			Cobalt	9.5	MG/KG		1.4
			Copper	12.2	MG/KG		3.2
			Lead	19.4	MG/KG		1.3
			Lithium	566	MG/KG		12.7
			Mercury	< .11	MG/KG	U	0.11
			Nickel	416	MG/KG		1.9
			Selenium	< .63	MG/KG	U	0.63
			Silver	< 1	MG/KG	U	1
			Thallium	< 1.3	MG/KG	U	1.3
			Tin	< 31.7	MG/KG	U	31.7
			Vanadium	23.6	MG/KG		2
			Zinc	54.8	MG/KG		2.4
NSWC-14/00-003	7/26/95		Antimony	< 2.8	MG/KG	U	2.8
			Arsenic	9.9	MG/KG		1.4
			Barium	81.5	MG/KG		13.9
			Beryllium	.83	MG/KG		0.28
			Cadmium	< .56	MG/KG	U	0.56
			Chromium	24.1	MG/KG		1.4
			Cobalt	13.4	MG/KG		1.5
			Copper	11.4	MG/KG		3.5
			Lead	19.1	MG/KG		1.4
			Lithium	393	MG/KG		13.9
			Mercury	< .14	MG/KG	U	0.14
			Nickel	191	MG/KG		2.1
			Selenium	1.1	MG/KG		0.7
			Silver	< 1.1	MG/KG	U	1.1
			Thallium	< 1.4	MG/KG	U	1.4
			Tin	< 34.9	MG/KG	U	34.9
			Vanadium	36.3	MG/KG		2.2
			Zinc	52.3	MG/KG		2.8
NSWC-14/00-004		Water	Antimony	< 20	UG/L	U	20

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-14/00-004	7/26/95	Water	Arsenic	11.8	UG/L		10
			Barium	3490	UG/L		100
			Beryllium	10.2	UG/L		2
			Cadmium	7.9	UG/L		4
			Chromium	220	UG/L		10
			Cobalt	573	UG/L		11
			Copper	25.1	UG/L		25
			Lead	86.1	UG/L		10
			Lithium	534000	UG/L		100
			Mercury	< .2	UG/L	U	0.2
			Nickel	32200	UG/L		15
			Selenium	18.3	UG/L		5
			Silver	< 8	UG/L	U	8
			Thallium	< 10	UG/L	U	10
			Tin	< 250	UG/L	U	250
			Vanadium	< 16	UG/L	U	16
			Zinc	921	UG/L		20
NSWC-14/00-005		Soil	Antimony	< 2.7	MG/KG	U	2.7
			Arsenic	9.3	MG/KG		1.3
			Barium	115	MG/KG		13.4
			Beryllium	.98	MG/KG		0.27
			Cadmium	< .54	MG/KG	U	0.54
			Chromium	23	MG/KG		1.3
			Cobalt	16.4	MG/KG		1.5
			Copper	13.4	MG/KG		3.4
			Lead	30.8	MG/KG		1.3
			Lithium	224	MG/KG		13.4
			Mercury	< .12	MG/KG	U	0.13
			Nickel	111	MG/KG		2
			Selenium	1.3	MG/KG		0.67
			Silver	< 1.1	MG/KG	U	1.1
			Thallium	< 1.3	MG/KG	U	1.3
			Tin	< 33.5	MG/KG	U	33.5
			Vanadium	43.4	MG/KG		2.1
			Zinc	56.7	MG/KG		2.7
NSWC-14/00-006	7/27/95	Leachate	Arsenic	< 10	UG/L	U	10
			Barium	1690	UG/L		100
			Cadmium	< 4	UG/L	U	4
			Chromium	2950	UG/L		10
			Lead	18	UG/L		10
			Mercury	< .2	UG/L	U	0.2
			Selenium	< 5	UG/L	U	5

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-14/00-006	7/27/95	Leachate	Silver	< 8	UG/L	U	8
		Soil	Lithium	5030	MG/KG		18.3
NSWC-14/00-007		Leachate	Arsenic	< 10	UG/L	U	10
			Barium	2950	UG/L		100
			Cadmium	< 4	UG/L	U	4
			Chromium	3140	UG/L		10
			Lead	24	UG/L		10
			Mercury	< .2	UG/L	U	0.2
			Selenium	< 5	UG/L	U	5
			Silver	< 8	UG/L	U	8
		Soil	Lithium	3920	MG/KG		17
NSWC-14/00-008		Leachate	Arsenic	61.1	UG/L		20
			Barium	3730	UG/L		500
			Cadmium	< 40	UG/L	U	40
			Chromium	2500	UG/L		100
			Lead	< 100	UG/L	U	100
			Mercury	< .26	UG/L	U	0.26
			Selenium	< 20	UG/L	U	20
			Silver	< 250	UG/L	U	250
		Water	Antimony	< 20	UG/L	U	20
			Arsenic	27.7	UG/L		10
			Beryllium	10.4	UG/L		2
			Cadmium	27.1	UG/L		4
			Chromium	17000	UG/L		10
			Copper	1050	UG/L		25
			Lead	58.8	UG/L		10
			Mercury	1.4	UG/L		0.2
			Nickel	10300	UG/L		15
			Selenium	6.6	UG/L		5
			Silver	< 8	UG/L	U	8
			Thallium	< 10	UG/L	U	10
			Zinc	379	UG/L		20
NSWC-14/00-009	8/7/95		Ammonia	.5	MG/L		0.5
			Antimony	< 20	UG/L	U	20
			Arsenic	< 10	UG/L	U	10
			Barium	139	UG/L		100
			Beryllium	< 2	UG/L	U	2
			Cadmium	< 4	UG/L	U	4
			Chromium	29.1	UG/L		10
			Cobalt	16.5	UG/L		11
			Copper	30.5	UG/L		25
			Cyanide, Total	< .02	MG/L	U	0.02

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-14/00-009	8/7/95	Water	Lead	< 10	UG/L	U	10
			Lithium	5090	UG/L		100
			Mercury	< .2	UG/L	U	0.2
			Nickel	843	UG/L		15
			Selenium	< 5	UG/L	U	5
			Silver	< 8	UG/L	U	8
			Thallium	< 10	UG/L	U	10
			Tin	< 250	UG/L	U	250
			Vanadium	17.7	UG/L		16
			Zinc	88.6	UG/L		20
NSWC-14/00-18	8/12/96	Leachate	1,1-Dichloroethene	< 50	UGL	U	50
			1,2-Dichloroethane	< 50	UGL	U	50
			1,4-Dichlorobenzene	< 20	UGL	U	20
			2,4,5-Trichlorophenol	< 100	UGL	U	100
			2,4,6-Trichlorophenol	< 20	UGL	U	20
			2,4-D	< .5	UGL	U	0.5
			2,4-Dinitrotoluene	< 20	UGL	U	20
			2-Butanone	< 1000	UGL	U	1000
			2-Methylphenol	< 20	UGL	U	20
			3-Methylphenol	< 20	UGL	U	20
			4-Methylphenol	< 20	UGL	U	20
			alpha-Chlordane	< .1	UGL	U	0.1
			Arsenic	< 20	UGL	U	20
			Barium	2170	UGL		1000
			Benzene	< 50	UGL	U	50
			Cadmium	< 40	UGL	U	40
			Carbon Tetrachloride	< 50	UGL	U	50
			Chlorobenzene	< 50	UGL	U	50
			Chloroform	< 50	UGL	U	50
			Chromium	112	UGL		100
			Corrosivity	6.4	PH		
			Cyanide, Reactive	< 2	MGKG	U	2
			Endrin	< .2	UGL	U	0.2
			Endrin Ketone	< .2	UGL	U	0.2
			Flashpoint	205	DEGF	GreaterThan	205
			gamma-BHC (Lindane)	< .2	UGL	U	0.2
			gamma-Chlordane	< .1	UGL	U	0.1
			Heptachlor	< .1	UGL	U	0.1
			Heptachlor epoxide	< .1	UGL	U	0.1
			Hexachlorethane	< 20	UGL	U	20
			Hexachlorobenzene	< 20	UGL	U	20
			Hexachlorobutadiene	< 20	UGL	U	20

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit
NSWC-14/00-18	8/12/96	Leachate	Lead	< 100	UGL	U	100
			Lithium	6220	MGKG		15
			Lithium	49200	UGL		100
			Mercury	< .2	UGL	U	0.2
			Methoxychlor	< 1	UGL	U	1
			Nickel	2560	MGKG		11.3
			Nitrobenzene	< 20	UGL	U	20
			Paint Filter	< 1	MLG	U	1
			Pentachlorophenol	< 100	UGL	U	100
			Pyridine	< 20	UGL	U	20
			Selenium	< 20	UGL	U	20
			Silver	< 50	UGL	U	50
			SILVEX	< .5	UGL	U	0.5
			Sulfide, Reactive	128	MGKG		40
			Tetrachloroethene	< 50	UGL	U	50
			Toxaphene	< 10	UGL	U	10
			Trichloroethene	< 50	UGL	U	50
			Vinyl Chloride	< 100	UGL	U	100

Organic Data Qualifier Code Descriptions:

U = Compound or analyte was analyzed for but not detected.

J = Value is estimated.

B = Compound or analyte was found in the associated method blank.

Inorganic Data Qualifier Code Descriptions:

U = Compound or analyte was analyzed for but not detected.

B = Value is estimated above the IDL but below the CRDL.

Appendix A - Table 3
SWMU 14/00 Confirmation Samples
Analytical Results Summary

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-010	8/21/95	Soil	1,1,1,2-Tetrachloroethane	< 6	UG/KG	U	6	10000	UG/KG
			1,1,1-Trichloroethane	< 6	UG/KG	U	6	300000	UG/KG
			1,1,2,2-Tetrachloroethane	< 6	UG/KG	U	6	2100	UG/KG
			1,1,2-Trichloroethane	< 6	UG/KG	U	6	2900	UG/KG
			1,1-Dichloroethane	< 6	UG/KG	U	6	400000	UG/KG
			1,1-Dichloroethene	< 6	UG/KG	U	6	70	UG/KG
			1,2,3-Trichloropropane	< 6	UG/KG	U	6	310000	UG/KG
			1,2,4,5-Tetrachlorobenzene	< 400	UG/KG	U	400	12000	UG/KG
			1,2,4-Trichlorobenzene	< 400	UG/KG	U	400	93000	UG/KG
			1,2-Dibromo-3-chloropropane	< 6	UG/KG	U	6	610	UG/KG
			1,2-Dibromoethane (EDB)	< 6	UG/KG	U	6	19	UG/KG
			1,2-Dichlorobenzene	< 400	UG/KG	U	400	230000	UG/KG
			1,2-Dichloroethane	< 6	UG/KG	U	6	840	UG/KG
			1,2-Dichloropropane	< 6	UG/KG	U	6	1300	UG/KG
			1,3-Dichlorobenzene	< 400	UG/KG	U	400	280000	UG/KG
			1,3-Dinitrobenzene	< 400	UG/KG	U	400	3900	UG/KG
			1,4-Dichlorobenzene	< 400	UG/KG	U	400	17000	UG/KG
			1,4-Dioxane	< 1000	UG/KG	U	1000	32000	UG/KG
			1,4-Naphthoquinone	< 400	UG/KG	U	400		
			1-Naphthylamine	< 400	UG/KG	U	400		
			1234678-HpCDD	< .701	UG/KG	U	0.701		
			1234678-HpCDF	< .0795	UG/KG	U	0.0795		
			123478-HxCDD	< .468	UG/KG	U	0.468		
			123478-HxCDF	< .603	UG/KG	U	0.603		
			1234789-HpCDF	< .172	UG/KG	U	0.172		
			123678-HxCDD	< .283	UG/KG	U	0.283		
			123678-HxCDF	< .357	UG/KG	U	0.357		
			12378-PeCDD	< .517	UG/KG	U	0.517		
			12378-PeCDF	< .48	UG/KG	U	0.48		
			123789-HxCDD	< .271	UG/KG	U	0.271		
			123789-HxCDF	< .418	UG/KG	U	0.418		
			2,3,4,6-Tetrachlorophenol	< 400	UG/KG	U	400	1200000	UG/KG
			2,4,5-T	< 30	UG/KG	U	30	390000	UG/KG
			2,4,5-Trichlorophenol	< 400	UG/KG	U	400	930	UG/KG
			2,4,6-Trichlorophenol	< 400	UG/KG	U	400	77000	UG/KG
			2,4-D	< 30	UG/KG	U	30	390000	UG/KG
			2,4-Dichlorophenol	< 400	UG/KG	U	400	120000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-010	8/21/95	Soil	2,4-Dimethylphenol	< 400	UG/KG	U	400	780000	UG/KG
			2,4-Dinitrophenol	< 2000	UG/KG	U	2000	78000	UG/KG
			2,4-Dinitrotoluene	< 400	UG/KG	U	400	78000	UG/KG
			2,6-Dichlorophenol	< 400	UG/KG	U	400		
			2,6-Dinitrotoluene	< 400	UG/KG	U	400	1300	UG/KG
			2-Acetylaminofluorene	< 400	UG/KG	U	400		
			2-Butanone	< 120	UG/KG	U	120	5200000	UG/KG
			2-Chloronaphthalene	< 400	UG/KG	U	400	3100000	UG/KG
			2-Chlorophenol	< 400	UG/KG	U	400	200000	UG/KG
			2-Hexanone	< 60	UG/KG	U	60	50	UG/KG
			2-Methylnapythalene	< 400	UG/KG	U	400	660	UG/KG
			2-Methylphenol	< 400	UG/KG	U	400	2000000	UG/KG
			2-Naphthylamine	< 400	UG/KG	U	400		
			2-Nitroaniline	< 2000	UG/KG	U	2000	2300	UG/KG
			2-Nitrophenol	< 400	UG/KG	U	400	300	UG/KG
			2-Picoline	< 400	UG/KG	U	400		
			234678-HxCDF	< .492	UG/KG	U	0.492		
			23478-PeCDF	< .603	UG/KG	U	0.603		
			2378-TCDD	< .0492	UG/KG	U	0.0492	0.0057	UG/KG
			2378-TCDF	< .0615	UG/KG	U	0.0615	na	UG/KG
			3,3'-Dichlorobenzidine	< 790	UG/KG	U	790	1900	UG/KG
			3,3'-Dimethylbenzidine	< 400	UG/KG	U	400	93	UG/KG
			3-Chloroprene	< 5	UG/KG	U	5	5	UG/KG
			3-Methylcholanthrene	< 400	UG/KG	U	400		
			3-Methylphenol	< 400	UG/KG	U	400	2000000	UG/KG
			3-Nitroaniline	< 2000	UG/KG	U	2000	3300	UG/KG
			4, 4'-DDD	< 3.9	UG/KG	U	3.9	3500	UG/KG
			4, 4'-DDE	< 3.9	UG/KG	U	3.9	2500	UG/KG
			4, 4'-DDT	< 3.9	UG/KG	U	3.9	8	UG/KG
			4,6-Dinitro-2-methylphenol	< 2000	UG/KG	U	2000	3300	UG/KG
			4-Aminobiphenyl	< 400	UG/KG	U	400		
			4-Bromophenyl-phenylether	< 400	UG/KG	U	400	660	UG/KG
			4-Chloroaniline	< 790	UG/KG	U	790	160000	UG/KG
			4-Chlorophenyl-phenylether	< 400	UG/KG	U	400		UG/KG
			4-Choro-3-methylphenol	< 400	UG/KG	U	400		UG/KG
			4-Methyl-2-Pentanone	< 60	UG/KG	U	60	2000000	UG/KG
			4-Methylphenol	< 400	UG/KG	U	400	200000	UG/KG
			4-Nitroaniline	< 2000	UG/KG	U	2000		
			4-Nitrophenol	< 400	UG/KG	U	400	190	UG/KG
			4-Nitroquinoline 1-oxide	< 400	UG/KG	U	400		
			5-Nitro-o-toluidine	< 400	UG/KG	U	400		
			7,12-Dimethylbenz(a)anthracen	< 400	UG/KG	U	400		

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-010	8/21/95	Soil	a,a,a-Diethylphenethylamine	< 400	UG/KG	U	400		UG/KG
			Acenaphthene	< 400	UG/KG	U	400	36000	UG/KG
			Acenaphthylene	< 400	UG/KG	U	400	660	UG/KG
			Acetone	5.4	UG/KG	JB	120	9200000	UG/KG
			Acetonitrile	< 6	UG/KG	U	6	230000	UG/KG
			Acetophenone	< 400	UG/KG	U	400	3900000	UG/KG
			Acrolein	< 1200	UG/KG	U	1200	780000	UG/KG
			Acrylonitrile	< 1200	UG/KG	U	1200	260	UG/KG
			Aldrin	< 1.9	UG/KG	U	1.9	50	UG/KG
			Allyl chloride	< 120	UG/KG	U	120	200000	UG/KG
			alpha-BHC	< 1.9	UG/KG	U	1.9	2.01	UG/KG
			Aniline	< 400	UG/KG	U	400	11000	UG/KG
			Anthracene	< 400	UG/KG	U	400	1900	UG/KG
			Antimony	< 2.4	MG/KG	U	2.5	31	MG/KG
			Aramite	< 400	UG/KG	U	400	34000	UG/KG
			Aroclor-1016	< 39	UG/KG	U	39	110	UG/KG
			Aroclor-1221	< 77	UG/KG	U	77	110	UG/KG
			Aroclor-1232	< 39	UG/KG	U	39	110	UG/KG
			Aroclor-1242	< 39	UG/KG	U	39	110	UG/KG
			Aroclor-1248	< 39	UG/KG	U	39	110	UG/KG
			Aroclor-1254	< 39	UG/KG	U	39	110	UG/KG
			Aroclor-1260	< 39	UG/KG	U	39	110	UG/KG
			Arsenic	2.6	MG/KG		1.2	0.97	MG/KG
			Barium	435	MG/KG		12.2	5500	MG/KG
			Benzene	< 6	UG/KG	U	6	2700	UG/KG
			Benzo[a]anthracene	< 400	UG/KG	U	400	660	UG/KG
			Benzo[a]pyrene	< 400	UG/KG	U	400	660	UG/KG
			Benzo[b]fluoranthene	< 400	UG/KG	U	400	660	UG/KG
			Benzo[g,h,i]perylene	< 400	UG/KG	U	400	660	UG/KG
			Benzo[k]fluoranthene	< 400	UG/KG	U	400	660	UG/KG
			Benzyl alcohol	< 790	UG/KG	U	790	12000000	UG/KG
			Beryllium	1.4	MG/KG		0.25	0.4	MG/KG
			beta-BHC	< 1.9	UG/KG	U	1.9	4.02	UG/KG
			bis(2-Chloroethyl)ether	< 400	UG/KG	U	400	150	UG/KG
			bis(2-Chloroisopropyl)ether	< 400	UG/KG	U	400	12000	UG/KG
			bis(2-Choloethoxy)methane	< 400	UG/KG	U	400		UG/KG
			bis(2-Ethylhexyl)phthalate	< 400	UG/KG	U	400	61000	UG/KG
			Bromodichloromethane	< 6	UG/KG	U	6	2900	UG/KG
			Bromoform	< 6	UG/KG	U	6	110000	UG/KG
			Bromomethane	< 12	UG/KG	U	12	60000	UG/KG
			Butylbenzylphthalate	< 400	UG/KG	U	400	7800000	UG/KG
			Cadmium	< .49	MG/KG	U	0.49	39	MG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-010	8/21/95	Soil	Carbon Disulfide	< 6	UG/KG	U	6	53000	UG/KG
			Carbon Tetrachloride	< 6	UG/KG	U	6	920	UG/KG
			Chlordane	< 39	UG/KG	U	39	660	UG/KG
			Chlorobenzene	< 6	UG/KG	U	6	300000	UG/KG
			Chlorobenzilate	< 77	UG/KG	U	77	3200	UG/KG
			Chloroethane	< 12	UG/KG	U	12	270000	UG/KG
			Chloroform	< 6	UG/KG	U	6	960	UG/KG
			Chloromethane	< 12	UG/KG	U	12	3700	UG/KG
			Chloroprene	< 5	UG/KG	UZ	5	5	UG/KG
			Chromium	22.9	MG/KG		1.2	940	MG/KG
			Chrysene	< 400	UG/KG	U	400	800	UG/KG
			cis-1,3-Dichloropropene	< 6	UG/KG	U	6	1000	UG/KG
			Cobalt	33	MG/KG		1.3	0.1	MG/KG
			Copper	17.1	MG/KG		3.1	2900	MG/KG
			Cyanide, Total	< 1.2	MG/KG	U	1.2	1600	MG/KG
			delta-BHC	< 1.9	UG/KG	U	1.9	6.03	UG/KG
			Di-n-butylphthalate	< 400	UG/KG	U	400	3900000	UG/KG
			Di-n-octylphthalate	< 400	UG/KG	U	400	780000	UG/KG
			Diallate	< 387	UG/KG	U	387	14000	UG/KG
			Dibenz[a,h]anthracene	< 400	UG/KG	U	400	120	UG/KG
			Dibenzofuran	< 400	UG/KG	U	400	660	UG/KG
			Dibromochloromethane	< 6	UG/KG	U	6	10000	UG/KG
			Dibromomethane	< 6	UG/KG	U	6	390000	UG/KG
			Dichlorodifluoromethane	< 6	UG/KG	U	6	380000	UG/KG
			Dieldrin	< 3.9	UG/KG	U	3.9	53	UG/KG
			Diethylphthalate	< 400	UG/KG	U	400	31000000	UG/KG
			Dimethoate	< 4	UG/KG	U	4	7800	UG/KG
			Dimethylphthalate	< 400	UG/KG	U	400	10000000	UG/KG
			Diphenylamine	< 400	UG/KG	U	400	980000	UG/KG
			Disulfoton	< 2	UG/KG	U	2	1600	UG/KG
			Endosulfan I	< 1.9	UG/KG	U	1.9	2000	UG/KG
			Endosulfan II	< 3.9	UG/KG	U	3.9	2000	UG/KG
			Endosulfan Sulfate	< 3.9	UG/KG	U	3.9	44.2	UG/KG
			Endrin	< 3.9	UG/KG	U	3.9	12000	UG/KG
			Endrin aldehyde	< 3.9	UG/KG	U	3.9	15.4	UG/KG
			Endrin Ketone	< 3.9	UG/KG	U	3.9		
			Ethyl methacrylate	< 6	UG/KG	U	6	38000	UG/KG
			Ethyl methanesulfonate	< 400	UG/KG	U	400		
			Ethyl Parathion	< 2	UG/KG	U	2	230000	UG/KG
			Ethylbenzene	< 6	UG/KG	U	6	58000	UG/KG
			Famphur	< 2	UG/KG	U	2	na	UG/KG
			Fluoranthene	< 400	UG/KG	U	400	1600000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-010	8/21/95	Soil	Fluorene	< 400	UG/KG	U	400	28000	UG/KG
			gamma-BHC (Lindane)	< 3.9	UG/KG	U	3.9	2.68	UG/KG
			Heptachlor	< 1.9	UG/KG	U	1.9	190	UG/KG
			Heptachlor epoxide	< 1.9	UG/KG	U	1.9	94	UG/KG
			Hexachlorethane	< 400	UG/KG	U	400	39000	UG/KG
			Hexachlorobenzene	< 400	UG/KG	U	400	530	UG/KG
			Hexachlorobutadiene	< 400	UG/KG	U	400	11000	UG/KG
			Hexachlorocyclopentadiene	< 400	UG/KG	U	400	270000	UG/KG
			Hexachloropropene	< 400	UG/KG	U	400	na	UG/KG
			Indeno[1,2,3-cd]pyrene	< 400	UG/KG	U	400	1200	UG/KG
			Iodomethane	< 6	UG/KG	U	6	5	UG/KG
			Isobutyl Alcohol	< 1000	UG/KG	U	1000	na	UG/KG
			Isodrin	< 9.7	UG/KG	U	9.7	na	UG/KG
			Isophorone	< 400	UG/KG	U	400	900000	UG/KG
			Isosafrole	< 400	UG/KG	U	400		
			Kepone	< 39	UG/KG	U	39	47	UG/KG
			Lead	19.6	MG/KG		1.2	500	MG/KG
			Lithium	27.8	MG/KG		12.2		
			m + p-Xylene	< 6	UG/KG	U	6	99000	UG/KG
			Mercury	< .12	MG/KG	U	0.12	23	MG/KG
			Methacrylonitrile	< 6	UG/KG	U	6	56000	UG/KG
			Methapyrilene	< 400	UG/KG	U	400		
			Methoxychlor	< 19	UG/KG	U	19	200000	UG/KG
			Methyl methacrylate	< 6	UG/KG	U	6	3200000	UG/KG
			Methyl methanesulfonate	< 400	UG/KG	U	400		
			Methyl Parathion	< 2	UG/KG	U	2	20	UG/KG
			Methylene Chloride	8.3	UG/KG		6	3700	UG/KG
			N-Nitroso-di-n-propylamine	< 400	UG/KG	U	400	120	UG/KG
			N-Nitrosodibutylamine	< 400	UG/KG	U	400	160	UG/KG
			N-Nitrosodiethylamine	< 400	UG/KG	U	400	5.7	UG/KG
			n-Nitrosodiphenylamine	< 400	UG/KG	U	400	170000	UG/KG
			N-Nitrosomethylethylamine	< 400	UG/KG	U	400	39	UG/KG
			n-Nitrosomorpholine	< 400	UG/KG	U	400		
			N-Nitrosopiperidine	< 400	UG/KG	U	400		
			N-Nitrosopyrrolidine	< 400	UG/KG	U	400		
			Naphthalene	< 400	UG/KG	U	400	80000	UG/KG
			Nickel	53.8	MG/KG		1.8	1600	MG/KG
			Nitrobenzene	< 400	UG/KG	U	400	20000	UG/KG
			o,o,o-Triethyl phosphorothioate	< 400	UG/KG	U	400		
			o-Toluidine	< 400	UG/KG	U	400		
			o-Xylene	< 6	UG/KG	U	6	99000	UG/KG
			OCDD	1.48	UG/KG		0.381		

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-010	8/21/95	Soil	OCDF	< .332	UG/KG	U	0.332		
			p-Dimethylaminoazobenzene	< 400	UG/KG	U	400		
			p-Phenylenediamine	< 400	UG/KG	U	400	7400000	UG/KG
			Pentachlorobenzene	< 400	UG/KG	U	400	31000	UG/KG
			Pentachloroethane	< 6	UG/KG	U	6	10	UG/KG
			Pentachloronitrobenzene	< 3.9	UG/KG	U	3.9	3300	UG/KG
			Pentachlorophenol	< 2000	UG/KG	U	2000	7100	UG/KG
			Phenacetin	< 400	UG/KG	U	400	na	UG/KG
			Phenanthrene	< 400	UG/KG	U	400	660	UG/KG
			Phenol	< 400	UG/KG	U	400	23000000	UG/KG
			Phorate	< 2	UG/KG	U	2	7800	UG/KG
			Pronamide	< 2	UG/KG	U	2	2900000	UG/KG
			Propionitrile	< 6	UG/KG	U	6	100	UG/KG
			Pyrene	< 400	UG/KG	U	400	1200000	UG/KG
			Pyridine	< 400	UG/KG	U	400	3900	UG/KG
			Safrole	< 400	UG/KG	U	400	na	UG/KG
			Selenium	< .61	MG/KG	U	0.61	390	MG/KG
			Silver	< .98	MG/KG	U	0.98	390	MG/KG
			SILVEX	< 30	UG/KG	U	30	110	UG/KG
			Styrene	< 6	UG/KG	U	6	13000000	UG/KG
			Sulfide, Total	< 48	MG/KG	U	1.2		MG/KG
			sym-Trinitrobenzene	< 400	UG/KG	U	400	2000	UG/KG
			Tetrachloroethene	< 6	UG/KG	U	6	22000	UG/KG
			Tetraethyl dithiopyrophosphate	< 198	UG/KG	U	198	20000	UG/KG
			Thallium	< 1.2	MG/KG	U	1.2		MG/KG
			Thionazin	< 400	UG/KG	U	400	nl	UG/KG
			Tin	< 30.6	MG/KG	U	30.6	47000	MG/KG
			Toluene	< 6	UG/KG	U	6	280000	UG/KG
			TOTAL HpCDD	< .701	UG/KG	U	0.701		
			TOTAL HpCDF	< .172	UG/KG	U	0.172		
			TOTAL HxCDD	< .271	UG/KG	U	0.271		
			TOTAL HxCDF	< .418	UG/KG	U	0.418		
			TOTAL PeCDD	< .517	UG/KG	U	0.517		
			TOTAL PeCDF	< .603	UG/KG	U	0.603		
			TOTAL TCDD	< .0492	UG/KG	U	0.0492		
			TOTAL TCDF	< .0615	UG/KG	U	0.0615		
			Toxaphene	< 190	UG/KG	U	190	770	UG/KG
			trans-1,2-Dichloroethene	< 6	UG/KG	U	6	620000	UG/KG
			trans-1,3-Dichloropropene	< 6	UG/KG	U	6	1000	UG/KG
			trans-1,4-Dichloro-2-butene	< 6	UG/KG	U	6	15	UG/KG
			Trichloroethene	< 6	UG/KG	U	6	14000	UG/KG
			Trichlorofluoromethane	< 6	UG/KG	U	6	410000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-010	8/21/95	Soil	Vanadium	25.8	MG/KG		2	550	MG/KG
			Vinyl Acetate	< 6	UG/KG	U	6	39000000	UG/KG
			Vinyl Chloride	< 12	UG/KG	U	12	9.7	UG/KG
			Zinc	79.4	MG/KG		2.5	23000	MG/KG
NSWC-14/00-011			1,1,1,2-Tetrachloroethane	< 6	UG/KG	U	6	10000	UG/KG
			1,1,1-Trichloroethane	< 6	UG/KG	U	6	300000	UG/KG
			1,1,2,2-Tetrachloroethane	< 6	UG/KG	U	6	2100	UG/KG
			1,1,2-Trichloroethane	< 6	UG/KG	U	6	2900	UG/KG
			1,1-Dichloroethane	< 6	UG/KG	U	6	400000	UG/KG
			1,1-Dichloroethene	< 6	UG/KG	U	6	70	UG/KG
			1,2,3-Trichloropropane	< 6	UG/KG	U	6	310000	UG/KG
			1,2,4,5-Tetrachlorobenzene	< 380	UG/KG	U	380	12000	UG/KG
			1,2,4-Trichlorobenzene	< 380	UG/KG	U	380	93000	UG/KG
			1,2-Dibromo-3-chloropropane	< 6	UG/KG	U	6	610	UG/KG
			1,2-Dibromoethane (EDB)	< 6	UG/KG	U	6	19	UG/KG
			1,2-Dichlorobenzene	< 380	UG/KG	U	380	230000	UG/KG
			1,2-Dichloroethane	< 6	UG/KG	U	6	840	UG/KG
			1,2-Dichloropropane	< 6	UG/KG	U	6	1300	UG/KG
			1,3-Dichlorobenzene	< 380	UG/KG	U	380	280000	UG/KG
			1,3-Dinitrobenzene	< 380	UG/KG	U	380	3900	UG/KG
			1,4-Dichlorobenzene	< 380	UG/KG	U	380	17000	UG/KG
			1,4-Dioxane	< 1000	UG/KG	U	1000	32000	UG/KG
			1,4-Naphthoquinone	< 380	UG/KG	U	380		
			1-Naphthylamine	< 380	UG/KG	U	380		
			1234678-HpCDD	< .692	UG/KG	U	0.692		
			1234678-HpCDF	< .0784	UG/KG	U	0.0784		
			123478-HxCDD	< .461	UG/KG	U	0.461		
			123478-HxCDF	< .595	UG/KG	U	0.595		
			1234789-HpCDF	< .17	UG/KG	U	0.17		
			123678-HxCDD	< .279	UG/KG	U	0.279		
			123678-HxCDF	< .352	UG/KG	U	0.352		
			12378-PeCDD	< .51	UG/KG	U	0.51		
			12378-PeCDF	< .473	UG/KG	U	0.473		
			123789-HxCDD	< .267	UG/KG	U	0.267		
			123789-HxCDF	< .413	UG/KG	U	0.413		
			2,3,4,6-Tetrachlorophenol	< 380	UG/KG	U	380	1200000	UG/KG
			2,4,5-T	< 30	UG/KG	U	30	390000	UG/KG
			2,4,5-Trichlorophenol	< 380	UG/KG	U	380	930	UG/KG
			2,4,6-Trichlorophenol	< 380	UG/KG	U	380	77000	UG/KG
			2,4-D	< 30	UG/KG	U	30	390000	UG/KG
			2,4-Dichlorophenol	< 380	UG/KG	U	380	120000	UG/KG
			2,4-Dimethylphenol	< 380	UG/KG	U	380	780000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-011	8/21/95	Soil	2,4-Dinitrophenol	< 1900	UG/KG	U	1900	78000	UG/KG
			2,4-Dinitrotoluene	< 380	UG/KG	U	380	78000	UG/KG
			2,6-Dichlorophenol	< 380	UG/KG	U	380		
			2,6-Dinitrotoluene	< 380	UG/KG	U	380	1300	UG/KG
			2-Acetylaminofluorene	< 380	UG/KG	U	380		
			2-Butanone	< 120	UG/KG	U	120	5200000	UG/KG
			2-Chloronaphthalene	< 380	UG/KG	U	380	3100000	UG/KG
			2-Chlorophenol	< 380	UG/KG	U	380	200000	UG/KG
			2-Hexanone	< 60	UG/KG	U	60	50	UG/KG
			2-Methylnapythalene	< 380	UG/KG	U	380	660	UG/KG
			2-Methylphenol	< 380	UG/KG	U	380	2000000	UG/KG
			2-Naphthylamine	< 380	UG/KG	U	380		
			2-Nitroaniline	< 1900	UG/KG	U	1900	2300	UG/KG
			2-Nitrophenol	< 380	UG/KG	U	380	300	UG/KG
			2-Picoline	< 380	UG/KG	U	380		
			234678-HxCDF	< .485	UG/KG	U	0.485		
			23478-PeCDF	< .595	UG/KG	U	0.595		
			2378-TCDD	< .0485	UG/KG	U	0.0485	0.0057	UG/KG
			2378-TCDF	< .0607	UG/KG	U	0.0607	na	UG/KG
			3,3'-Dichlorobenzidine	< 760	UG/KG	U	760	1900	UG/KG
			3,3'-Dimethylbenzidine	< 380	UG/KG	U	380	93	UG/KG
			3-Chloroprene	< 5	UG/KG	U	5	5	UG/KG
			3-Methylcholanthrene	< 380	UG/KG	U	380		
			3-Methylphenol	< 380	UG/KG	U	380	2000000	UG/KG
			3-Nitroaniline	< 1900	UG/KG	U	1900	3300	UG/KG
			4, 4'-DDD	< 3.8	UG/KG	U	3.8	3500	UG/KG
			4, 4'-DDE	< 3.8	UG/KG	U	3.8	2500	UG/KG
			4, 4'-DDT	< 3.8	UG/KG	U	3.8	8	UG/KG
			4,6-Dinitro-2-methylphenol	< 1900	UG/KG	U	1900	3300	UG/KG
			4-Aminobiphenyl	< 380	UG/KG	U	380		
			4-Bromophenyl-phenylether	< 380	UG/KG	U	380	660	UG/KG
			4-Chloroaniline	< 760	UG/KG	U	760	160000	UG/KG
			4-Chlorophenyl-phenylether	< 380	UG/KG	U	380		UG/KG
			4-Choro-3-methylphenol	< 380	UG/KG	U	380		UG/KG
			4-Methyl-2-Pentanone	< 60	UG/KG	U	60	2000000	UG/KG
			4-Methylphenol	< 380	UG/KG	U	380	200000	UG/KG
			4-Nitroaniline	< 1900	UG/KG	U	1900		
			4-Nitrophenol	< 380	UG/KG	U	380	190	UG/KG
			4-Nitroquinoline 1-oxide	< 380	UG/KG	U	380		
			5-Nitro-o-toluidine	< 380	UG/KG	U	380		
			7,12-Dimethylbenz(a)anthracen	< 380	UG/KG	U	380		
			a,a,a-Diethylphenethylamine	< 380	UG/KG	U	380		UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-011	8/21/95	Soil	Acenaphthene	< 380	UG/KG	U	380	36000	UG/KG
			Acenaphthylene	< 380	UG/KG	U	380	660	UG/KG
			Acetone	17	UG/KG	JB	120	9200000	UG/KG
			Acetonitrile	< 6	UG/KG	U	6	230000	UG/KG
			Acetophenone	< 380	UG/KG	U	380	3900000	UG/KG
			Acrolein	< 1200	UG/KG	U	1200	780000	UG/KG
			Acrylonitrile	< 1200	UG/KG	U	1200	260	UG/KG
			Aldrin	< 1.9	UG/KG	U	1.9	50	UG/KG
			Allyl chloride	< 120	UG/KG	U	120	200000	UG/KG
			alpha-BHC	< 1.9	UG/KG	U	1.9	2.01	UG/KG
			Aniline	< 380	UG/KG	U	380	11000	UG/KG
			Anthracene	< 380	UG/KG	U	380	1900	UG/KG
			Antimony	< 2.5	MG/KG	U	2.5	31	MG/KG
			Aramite	< 380	UG/KG	U	380	34000	UG/KG
			Aroclor-1016	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1221	< 76	UG/KG	U	76	110	UG/KG
			Aroclor-1232	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1242	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1248	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1254	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1260	< 38	UG/KG	U	38	110	UG/KG
			Arsenic	4.9	MG/KG		1.3	0.97	MG/KG
			Barium	162	MG/KG		12.6	5500	MG/KG
			Benzene	< 6	UG/KG	U	6	2700	UG/KG
			Benzo[a]anthracene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[a]pyrene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[b]fluoranthene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[g,h,i]perylene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[k]fluoranthene	< 380	UG/KG	U	380	660	UG/KG
			Benzyl alcohol	< 760	UG/KG	U	760	12000000	UG/KG
			Beryllium	1.3	MG/KG		0.25	0.4	MG/KG
			beta-BHC	< 1.9	UG/KG	U	1.9	4.02	UG/KG
			bis(2-Chloroethyl)ether	< 380	UG/KG	U	380	150	UG/KG
			bis(2-Chloroisopropyl)ether	< 380	UG/KG	U	380	12000	UG/KG
			bis(2-Choloethoxy)methane	< 380	UG/KG	U	380		UG/KG
			bis(2-Ethylhexyl)phthalate	< 380	UG/KG	U	380	61000	UG/KG
			Bromodichloromethane	< 6	UG/KG	U	6	2900	UG/KG
			Bromoform	< 6	UG/KG	U	6	110000	UG/KG
			Bromomethane	< 12	UG/KG	U	12	60000	UG/KG
			Butylbenzylphthalate	< 380	UG/KG	U	380	7800000	UG/KG
			Cadmium	< .5	MG/KG	U	0.5	39	MG/KG
			Carbon Disulfide	< 6	UG/KG	U	6	53000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-011	8/21/95	Soil	Carbon Tetrachloride	< 6	UG/KG	U	6	920	UG/KG
			Chlordane	< 38	UG/KG	U	38	660	UG/KG
			Chlorobenzene	< 6	UG/KG	U	6	300000	UG/KG
			Chlorobenzilate	< 76	UG/KG	U	76	3200	UG/KG
			Chloroethane	< 12	UG/KG	U	12	270000	UG/KG
			Chloroform	< 6	UG/KG	U	6	960	UG/KG
			Chloromethane	< 12	UG/KG	U	12	3700	UG/KG
			Chloroprene	< 5	UG/KG	UZ	5	5	UG/KG
			Chromium	19.7	MG/KG		1.3	940	MG/KG
			Chrysene	< 380	UG/KG	U	380	800	UG/KG
			cis-1,3-Dichloropropene	< 6	UG/KG	U	6	1000	UG/KG
			Cobalt	20.7	MG/KG		1.4	0.1	MG/KG
			Copper	8.7	MG/KG		3.1	2900	MG/KG
			Cyanide, Total	< 1.2	MG/KG	U	1.2	1600	MG/KG
			delta-BHC	< 1.9	UG/KG	U	1.9	6.03	UG/KG
			Di-n-butylphthalate	< 380	UG/KG	U	380	3900000	UG/KG
			Di-n-octylphthalate	< 380	UG/KG	U	380	780000	UG/KG
			Diallate	< 381	UG/KG	U	381	14000	UG/KG
			Dibenz[a,h]anthracene	< 380	UG/KG	U	380	120	UG/KG
			Dibenzofuran	< 380	UG/KG	U	380	660	UG/KG
			Dibromochloromethane	< 6	UG/KG	U	6	10000	UG/KG
			Dibromomethane	< 6	UG/KG	U	6	390000	UG/KG
			Dichlorodifluoromethane	< 6	UG/KG	U	6	380000	UG/KG
			Dieldrin	< 3.8	UG/KG	U	3.8	53	UG/KG
			Diethylphthalate	< 380	UG/KG	U	380	31000000	UG/KG
			Dimethoate	< 4	UG/KG	U	4	7800	UG/KG
			Dimethylphthalate	< 380	UG/KG	U	380	10000000	UG/KG
			Diphenylamine	< 380	UG/KG	U	380	980000	UG/KG
			Disulfoton	< 2	UG/KG	U	2	1600	UG/KG
			Endosulfan I	< 1.9	UG/KG	U	1.9	2000	UG/KG
			Endosulfan II	< 3.8	UG/KG	U	3.8	2000	UG/KG
			Endosulfan Sulfate	< 3.8	UG/KG	U	3.8	44.2	UG/KG
			Endrin	< 3.8	UG/KG	U	3.8	12000	UG/KG
			Endrin aldehyde	< 3.8	UG/KG	U	3.8	15.4	UG/KG
			Endrin Ketone	< 3.8	UG/KG	U	3.8		
			Ethyl methacrylate	< 6	UG/KG	U	6	38000	UG/KG
			Ethyl methanesulfonate	< 380	UG/KG	U	380		
			Ethyl Parathion	< 2	UG/KG	U	2	230000	UG/KG
			Ethylbenzene	< 6	UG/KG	U	6	58000	UG/KG
			Famphur	< 2	UG/KG	U	2	na	UG/KG
			Fluoranthene	< 380	UG/KG	U	380	1600000	UG/KG
			Fluorene	< 380	UG/KG	U	380	28000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-011	8/21/95	Soil	gamma-BHC (Lindane)	< 3.8	UG/KG	U	3.8	2.68	UG/KG
			Heptachlor	< 1.9	UG/KG	U	1.9	190	UG/KG
			Heptachlor epoxide	< 1.9	UG/KG	U	1.9	94	UG/KG
			Hexachlorethane	< 380	UG/KG	U	380	39000	UG/KG
			Hexachlorobenzene	< 380	UG/KG	U	380	530	UG/KG
			Hexachlorobutadiene	< 380	UG/KG	U	380	11000	UG/KG
			Hexachlorocyclopentadiene	< 380	UG/KG	U	380	270000	UG/KG
			Hexachloropropene	< 380	UG/KG	U	380	na	UG/KG
			Indeno[1,2,3-cd]pyrene	< 380	UG/KG	U	380	1200	UG/KG
			Iodomethane	< 6	UG/KG	U	6	5	UG/KG
			Isobutyl Alcohol	< 1000	UG/KG	U	1000	na	UG/KG
			Isodrin	< 9.5	UG/KG	U	9.5	na	UG/KG
			Isophorone	< 380	UG/KG	U	380	900000	UG/KG
			Isosafrole	< 380	UG/KG	U	380		
			Kepone	< 38	UG/KG	U	38	47	UG/KG
			Lead	18.4	MG/KG		1.3	500	MG/KG
			Lithium	13.2	MG/KG		12.6		
			m + p-Xylene	< 6	UG/KG	U	6	99000	UG/KG
			Mercury	< .12	MG/KG	U	0.12	23	MG/KG
			Methacrylonitrile	< 6	UG/KG	U	6	56000	UG/KG
			Methapyrilene	< 380	UG/KG	U	380		
			Methoxychlor	< 19	UG/KG	U	19	200000	UG/KG
			Methyl methacrylate	< 6	UG/KG	U	6	3200000	UG/KG
			Methyl methanesulfonate	< 380	UG/KG	U	380		
			Methyl Parathion	< 2	UG/KG	U	2	20	UG/KG
			Methylene Chloride	24	UG/KG		6	3700	UG/KG
			N-Nitroso-di-n-propylamine	< 380	UG/KG	U	380	120	UG/KG
			N-Nitrosodibutylamine	< 380	UG/KG	U	380	160	UG/KG
			N-Nitrosodiethylamine	< 380	UG/KG	U	380	5.7	UG/KG
			n-Nitrosodiphenylamine	< 380	UG/KG	U	380	170000	UG/KG
			N-Nitrosomethylethylamine	< 380	UG/KG	U	380	39	UG/KG
			n-Nitrosomorpholine	< 380	UG/KG	U	380		
			N-Nitrosopiperidine	< 380	UG/KG	U	380		
			N-Nitrosopyrrolidine	< 380	UG/KG	U	380		
			Naphthalene	< 380	UG/KG	U	380	80000	UG/KG
			Nickel	24.4	MG/KG		1.9	1600	MG/KG
			Nitrobenzene	< 380	UG/KG	U	380	20000	UG/KG
			o,o,o-Triethyl phosphorothioate	< 380	UG/KG	U	380		
			o-Toluidine	< 380	UG/KG	U	380		
			o-Xylene	< 6	UG/KG	U	6	99000	UG/KG
			OCDD	4.39	UG/KG		0.376		
			OCDF	< .328	UG/KG	U	0.328		

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-011	8/21/95	Soil	p-Dimethylaminoazobenzene	< 380	UG/KG	U	380		
			p-Phenylenediamine	< 380	UG/KG	U	380	7400000	UG/KG
			Pentachlorobenzene	< 380	UG/KG	U	380	31000	UG/KG
			Pentachloroethane	< 6	UG/KG	U	6	10	UG/KG
			Pentachloronitrobenzene	< 3.8	UG/KG	U	3.8	3300	UG/KG
			Pentachlorophenol	< 1900	UG/KG	U	1900	7100	UG/KG
			Phenacetin	< 380	UG/KG	U	380	na	UG/KG
			Phenanthrene	< 380	UG/KG	U	380	660	UG/KG
			Phenol	< 380	UG/KG	U	380	23000000	UG/KG
			Phorate	2.3	UG/KG		2	7800	UG/KG
			Pronamide	< 2	UG/KG	U	2	2900000	UG/KG
			Propionitrile	< 6	UG/KG	U	6	100	UG/KG
			Pyrene	< 380	UG/KG	U	380	1200000	UG/KG
			Pyridine	< 380	UG/KG	U	380	3900	UG/KG
			Safrole	< 380	UG/KG	U	380	na	UG/KG
			Selenium	< .63	MG/KG	U	0.63	390	MG/KG
			Silver	< 1	MG/KG	U	1	390	MG/KG
			SILVEX	< 30	UG/KG	U	30	110	UG/KG
			Styrene	< 6	UG/KG	U	6	13000000	UG/KG
			Sulfide, Total	< 48	MG/KG	U	1.2		MG/KG
			sym-Trinitrobenzene	< 380	UG/KG	U	380	2000	UG/KG
			Tetrachloroethene	< 6	UG/KG	U	6	22000	UG/KG
			Tetraethyl dithiopyrophosphate	< 200	UG/KG	U	200	20000	UG/KG
			Thallium	< 1.3	MG/KG	U	1.3		MG/KG
			Thionazin	< 380	UG/KG	U	380	nl	UG/KG
			Tin	< 31.5	MG/KG	U	31.5	47000	MG/KG
			Toluene	< 6	UG/KG	U	6	280000	UG/KG
			TOTAL HpCDD	< .692	UG/KG	U	0.692		
			TOTAL HpCDF	< .17	UG/KG	U	0.17		
			TOTAL HxCDD	< .267	UG/KG	U	0.267		
			TOTAL HxCDF	< .413	UG/KG	U	0.413		
			TOTAL PeCDD	< .51	UG/KG	U	0.51		
			TOTAL PeCDF	< .595	UG/KG	U	0.595		
			TOTAL TCDD	< .0485	UG/KG	U	0.0485		
			TOTAL TCDF	< .0607	UG/KG	U	0.0607		
			Toxaphene	< 190	UG/KG	U	190	770	UG/KG
			trans-1,2-Dichloroethene	< 6	UG/KG	U	6	620000	UG/KG
			trans-1,3-Dichloropropene	< 6	UG/KG	U	6	1000	UG/KG
			trans-1,4-Dichloro-2-butene	< 6	UG/KG	U	6	15	UG/KG
			Trichloroethene	< 6	UG/KG	U	6	14000	UG/KG
			Trichlorofluoromethane	< 6	UG/KG	U	6	410000	UG/KG
			Vanadium	30.6	MG/KG		2	550	MG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-011	8/21/95	Soil	Vinyl Acetate	< 6	UG/KG	U	6	39000000	UG/KG
			Vinyl Chloride	< 12	UG/KG	U	12	9.7	UG/KG
			Zinc	30.9	MG/KG		2.5	23000	MG/KG
NSWC-14/00-012			1,1,1,2-Tetrachloroethane	< 6	UG/KG	U	6	10000	UG/KG
			1,1,1-Trichloroethane	< 6	UG/KG	U	6	300000	UG/KG
			1,1,2,2-Tetrachloroethane	< 6	UG/KG	U	6	2100	UG/KG
			1,1,2-Trichloroethane	< 6	UG/KG	U	6	2900	UG/KG
			1,1-Dichloroethane	< 6	UG/KG	U	6	400000	UG/KG
			1,1-Dichloroethene	< 6	UG/KG	U	6	70	UG/KG
			1,2,3-Trichloropropane	< 6	UG/KG	U	6	310000	UG/KG
			1,2,4,5-Tetrachlorobenzene	< 390	UG/KG	U	390	12000	UG/KG
			1,2,4-Trichlorobenzene	< 390	UG/KG	U	390	93000	UG/KG
			1,2-Dibromo-3-chloropropane	< 6	UG/KG	U	6	610	UG/KG
			1,2-Dibromoethane (EDB)	< 6	UG/KG	U	6	19	UG/KG
			1,2-Dichlorobenzene	< 390	UG/KG	U	390	230000	UG/KG
			1,2-Dichloroethane	< 6	UG/KG	U	6	840	UG/KG
			1,2-Dichloropropane	< 6	UG/KG	U	6	1300	UG/KG
			1,3-Dichlorobenzene	< 390	UG/KG	U	390	280000	UG/KG
			1,3-Dinitrobenzene	< 390	UG/KG	U	390	3900	UG/KG
			1,4-Dichlorobenzene	< 390	UG/KG	U	390	17000	UG/KG
			1,4-Dioxane	< 1000	UG/KG	U	1000	32000	UG/KG
			1,4-Naphthoquinone	< 390	UG/KG	U	390		
			1-Naphthylamine	< 390	UG/KG	U	390		
			1234678-HpCDD	< .678	UG/KG	U	0.678		
			1234678-HpCDF	< .0769	UG/KG	U	0.0769		
			123478-HxCDD	< .452	UG/KG	U	0.452		
			123478-HxCDF	< .583	UG/KG	U	0.583		
			1234789-HpCDF	< .167	UG/KG	U	0.167		
			123678-HxCDD	< .274	UG/KG	U	0.274		
			123678-HxCDF	< .345	UG/KG	U	0.345		
			12378-PeCDD	< .5	UG/KG	U	0.5		
			12378-PeCDF	< .464	UG/KG	U	0.464		
			123789-HxCDD	< .262	UG/KG	U	0.262		
			123789-HxCDF	< .405	UG/KG	U	0.405		
			2,3,4,6-Tetrachlorophenol	< 390	UG/KG	U	390	1200000	UG/KG
			2,4,5-T	< 29	UG/KG	U	29	390000	UG/KG
			2,4,5-Trichlorophenol	< 390	UG/KG	U	390	930	UG/KG
			2,4,6-Trichlorophenol	< 390	UG/KG	U	390	77000	UG/KG
			2,4-D	< 29	UG/KG	U	29	390000	UG/KG
			2,4-Dichlorophenol	< 390	UG/KG	U	390	120000	UG/KG
			2,4-Dimethylphenol	< 390	UG/KG	U	390	780000	UG/KG
			2,4-Dinitrophenol	< 2000	UG/KG	U	2000	78000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-012	8/21/95	Soil	2,4-Dinitrotoluene	< 390	UG/KG	U	390	78000	UG/KG
			2,6-Dichlorophenol	< 390	UG/KG	U	390		
			2,6-Dinitrotoluene	< 390	UG/KG	U	390	1300	UG/KG
			2-Acetylaminofluorene	< 390	UG/KG	U	390		
			2-Butanone	< 120	UG/KG	U	120	5200000	UG/KG
			2-Chloronaphthalene	< 390	UG/KG	U	390	3100000	UG/KG
			2-Chlorophenol	< 390	UG/KG	U	390	200000	UG/KG
			2-Hexanone	< 60	UG/KG	U	60	50	UG/KG
			2-Methylnapythalene	< 390	UG/KG	U	390	660	UG/KG
			2-Methylphenol	< 390	UG/KG	U	390	2000000	UG/KG
			2-Naphthylamine	< 390	UG/KG	U	390		
			2-Nitroaniline	< 2000	UG/KG	U	2000	2300	UG/KG
			2-Nitrophenol	< 390	UG/KG	U	390	300	UG/KG
			2-Picoline	< 390	UG/KG	U	390		
			234678-HxCDF	< .476	UG/KG	U	0.476		
			23478-PeCDF	< .583	UG/KG	U	0.583		
			2378-TCDD	< .0476	UG/KG	U	0.0476	0.0057	UG/KG
			2378-TCDF	< .0595	UG/KG	U	0.0595	na	UG/KG
			3,3'-Dichlorobenzidine	< 780	UG/KG	U	780	1900	UG/KG
			3,3'-Dimethylbenzidine	< 390	UG/KG	U	390	93	UG/KG
			3-Chloroprene	< 5	UG/KG	U	5	5	UG/KG
			3-Methylcholanthrene	< 390	UG/KG	U	390		
			3-Methylphenol	< 390	UG/KG	U	390	2000000	UG/KG
			3-Nitroaniline	< 2000	UG/KG	U	2000	3300	UG/KG
			4, 4'-DDD	< 3.8	UG/KG	U	3.8	3500	UG/KG
			4, 4'-DDE	< 3.8	UG/KG	U	3.8	2500	UG/KG
			4, 4'-DDT	< 3.8	UG/KG	U	3.8	8	UG/KG
			4,6-Dinitro-2-methylphenol	< 2000	UG/KG	U	2000	3300	UG/KG
			4-Aminobiphenyl	< 390	UG/KG	U	390		
			4-Bromophenyl-phenylether	< 390	UG/KG	U	390	660	UG/KG
			4-Chloroaniline	< 780	UG/KG	U	780	160000	UG/KG
			4-Chlorophenyl-phenylether	< 390	UG/KG	U	390		UG/KG
			4-Choro-3-methylphenol	< 390	UG/KG	U	390		UG/KG
			4-Methyl-2-Pentanone	< 60	UG/KG	U	60	2000000	UG/KG
			4-Methylphenol	< 390	UG/KG	U	390	200000	UG/KG
			4-Nitroaniline	< 2000	UG/KG	U	2000		
			4-Nitrophenol	< 390	UG/KG	U	390	190	UG/KG
			4-Nitroquinoline 1-oxide	< 390	UG/KG	U	390		
			5-Nitro-o-toluidine	< 390	UG/KG	U	390		
			7,12-Dimethylbenz(a)anthracen	< 390	UG/KG	U	390		
			a,a,a-Diethylphenethylamine	< 390	UG/KG	U	390		UG/KG
			Acenaphthene	< 390	UG/KG	U	390	36000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-012	8/21/95	Soil	Acenaphthylene	< 390	UG/KG	U	390	660	UG/KG
			Acetone	21	UG/KG	JB	120	9200000	UG/KG
			Acetonitrile	< 6	UG/KG	U	6	230000	UG/KG
			Acetophenone	< 390	UG/KG	U	390	3900000	UG/KG
			Acrolein	< 1200	UG/KG	U	1200	780000	UG/KG
			Acrylonitrile	< 1200	UG/KG	U	1200	260	UG/KG
			Aldrin	< 1.9	UG/KG	U	1.9	50	UG/KG
			Allyl chloride	< 120	UG/KG	U	120	200000	UG/KG
			alpha-BHC	< 1.9	UG/KG	U	1.9	2.01	UG/KG
			Aniline	< 390	UG/KG	U	390	11000	UG/KG
			Anthracene	< 390	UG/KG	U	390	1900	UG/KG
			Antimony	< 2.4	MG/KG	U	2.4	31	MG/KG
			Aramite	< 390	UG/KG	U	390	34000	UG/KG
			Aroclor-1016	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1221	< 77	UG/KG	U	77	110	UG/KG
			Aroclor-1232	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1242	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1248	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1254	< 38	UG/KG	U	38	110	UG/KG
			Aroclor-1260	< 38	UG/KG	U	38	110	UG/KG
			Arsenic	4.1	MG/KG		1.2	0.97	MG/KG
			Barium	98.3	MG/KG		11.8	5500	MG/KG
			Benzene	< 6	UG/KG	U	6	2700	UG/KG
			Benzo[a]anthracene	< 390	UG/KG	U	390	660	UG/KG
			Benzo[a]pyrene	< 390	UG/KG	U	390	660	UG/KG
			Benzo[b]fluoranthene	< 390	UG/KG	U	390	660	UG/KG
			Benzo[g,h,i]perylene	< 390	UG/KG	U	390	660	UG/KG
			Benzo[k]fluoranthene	< 390	UG/KG	U	390	660	UG/KG
			Benzyl alcohol	< 780	UG/KG	U	780	12000000	UG/KG
			Beryllium	.95	MG/KG		0.24	0.4	MG/KG
			beta-BHC	< 1.9	UG/KG	U	1.9	4.02	UG/KG
			bis(2-Chloroethyl)ether	< 390	UG/KG	U	390	150	UG/KG
			bis(2-Chloroisopropyl)ether	< 390	UG/KG	U	390	12000	UG/KG
			bis(2-Choloethoxy)methane	< 390	UG/KG	U	390		UG/KG
			bis(2-Ethylhexyl)phthalate	< 390	UG/KG	U	390	61000	UG/KG
			Bromodichloromethane	< 6	UG/KG	U	6	2900	UG/KG
			Bromoform	< 6	UG/KG	U	6	110000	UG/KG
			Bromomethane	< 12	UG/KG	U	12	60000	UG/KG
			Butylbenzylphthalate	< 390	UG/KG	U	390	7800000	UG/KG
			Cadmium	< .47	MG/KG	U	0.47	39	MG/KG
			Carbon Disulfide	6.4	UG/KG		0	53000	UG/KG
			Carbon Tetrachloride	< 6	UG/KG	U	6	920	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-012	8/21/95	Soil	Chlordane	< 38	UG/KG	U	38	660	UG/KG
			Chlorobenzene	< 6	UG/KG	U	6	300000	UG/KG
			Chlorobenzilate	< 77	UG/KG	U	77	3200	UG/KG
			Chloroethane	< 12	UG/KG	U	12	270000	UG/KG
			Chloroform	< 6	UG/KG	U	6	960	UG/KG
			Chloromethane	< 12	UG/KG	U	12	3700	UG/KG
			Chloroprene	< 5	UG/KG	UZ	5	5	UG/KG
			Chromium	47.3	MG/KG		1.2	940	MG/KG
			Chrysene	< 390	UG/KG	U	390	800	UG/KG
			cis-1,3-Dichloropropene	< 6	UG/KG	U	6	1000	UG/KG
			Cobalt	12.9	MG/KG		1.3	0.1	MG/KG
			Copper	15.7	MG/KG		2.9	2900	MG/KG
			Cyanide, Total	< 1.2	MG/KG	U	1.2	1600	MG/KG
			delta-BHC	< 1.9	UG/KG	U	1.9	6.03	UG/KG
			Di-n-butylphthalate	< 390	UG/KG	U	390	3900000	UG/KG
			Di-n-octylphthalate	< 390	UG/KG	U	390	780000	UG/KG
			Diallate	< 384	UG/KG	U	384	14000	UG/KG
			Dibenz[a,h]anthracene	< 390	UG/KG	U	390	120	UG/KG
			Dibenzofuran	< 390	UG/KG	U	390	660	UG/KG
			Dibromochloromethane	< 6	UG/KG	U	6	10000	UG/KG
			Dibromomethane	< 6	UG/KG	U	6	390000	UG/KG
			Dichlorodifluoromethane	< 6	UG/KG	U	6	380000	UG/KG
			Dieldrin	< 3.8	UG/KG	U	3.8	53	UG/KG
			Diethylphthalate	< 390	UG/KG	U	390	31000000	UG/KG
			Dimethoate	< 3.9	UG/KG	U	3.9	7800	UG/KG
			Dimethylphthalate	< 390	UG/KG	U	390	10000000	UG/KG
			Diphenylamine	< 390	UG/KG	U	390	980000	UG/KG
			Disulfoton	< 2	UG/KG	U	2	1600	UG/KG
			Endosulfan I	< 1.9	UG/KG	U	1.9	2000	UG/KG
			Endosulfan II	< 3.8	UG/KG	U	3.8	2000	UG/KG
			Endosulfan Sulfate	< 3.8	UG/KG	U	3.8	44.2	UG/KG
			Endrin	< 3.8	UG/KG	U	3.8	12000	UG/KG
			Endrin aldehyde	< 3.8	UG/KG	U	3.8	15.4	UG/KG
			Endrin Ketone	< 3.8	UG/KG	U	3.8		
			Ethyl methacrylate	< 6	UG/KG	U	6	38000	UG/KG
			Ethyl methanesulfonate	< 390	UG/KG	U	390		
			Ethyl Parathion	< 2	UG/KG	U	2	230000	UG/KG
			Ethylbenzene	< 6	UG/KG	U	6	58000	UG/KG
			Famphur	< 2	UG/KG	U	2	na	UG/KG
			Fluoranthene	< 390	UG/KG	U	390	1600000	UG/KG
			Fluorene	< 390	UG/KG	U	390	28000	UG/KG
			gamma-BHC (Lindane)	< 3.8	UG/KG	U	3.8	2.68	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-012	8/21/95	Soil	Heptachlor	< 1.9	UG/KG	U	1.9	190	UG/KG
			Heptachlor epoxide	< 1.9	UG/KG	U	1.9	94	UG/KG
			Hexachlorethane	< 390	UG/KG	U	390	39000	UG/KG
			Hexachlorobenzene	< 390	UG/KG	U	390	530	UG/KG
			Hexachlorobutadiene	< 390	UG/KG	U	390	11000	UG/KG
			Hexachlorocyclopentadiene	< 390	UG/KG	U	390	270000	UG/KG
			Hexachloropropene	< 390	UG/KG	U	390	na	UG/KG
			Indeno[1,2,3-cd]pyrene	< 390	UG/KG	U	390	1200	UG/KG
			Iodomethane	< 6	UG/KG	U	6	5	UG/KG
			Isobutyl Alcohol	< 1000	UG/KG	U	1000	na	UG/KG
			Isodrin	< 9.6	UG/KG	U	9.6	na	UG/KG
			Isophorone	< 390	UG/KG	U	390	900000	UG/KG
			Isosafrole	< 390	UG/KG	U	390		
			Kepone	< 38	UG/KG	U	38	47	UG/KG
			Lead	13.1	MG/KG		1.2	500	MG/KG
			Lithium	119	MG/KG		11.8		
			m + p-Xylene	< 6	UG/KG	U	6	99000	UG/KG
			Mercury	< .12	MG/KG	U	0.12	23	MG/KG
			Methacrylonitrile	< 6	UG/KG	U	6	56000	UG/KG
			Methapyrilene	< 390	UG/KG	U	390		
			Methoxychlor	< 19	UG/KG	U	19	200000	UG/KG
			Methyl methacrylate	< 6	UG/KG	U	6	3200000	UG/KG
			Methyl methanesulfonate	< 390	UG/KG	U	390		
			Methyl Parathion	< 2	UG/KG	U	2	20	UG/KG
			Methylene Chloride	8.9	UG/KG		6	3700	UG/KG
			N-Nitroso-di-n-propylamine	< 390	UG/KG	U	390	120	UG/KG
			N-Nitrosodibutylamine	< 390	UG/KG	U	390	160	UG/KG
			N-Nitrosodiethylamine	< 390	UG/KG	U	390	5.7	UG/KG
			n-Nitrosodiphenylamine	< 390	UG/KG	U	390	170000	UG/KG
			N-Nitrosomethylethylamine	< 390	UG/KG	U	390	39	UG/KG
			n-Nitrosomorpholine	< 390	UG/KG	U	390		
			N-Nitrosopiperidine	< 390	UG/KG	U	390		
			N-Nitrosopyrrolidine	< 390	UG/KG	U	390		
			Naphthalene	< 390	UG/KG	U	390	80000	UG/KG
			Nickel	148	MG/KG		1.8	1600	MG/KG
			Nitrobenzene	< 390	UG/KG	U	390	20000	UG/KG
			o,o,o-Triethyl phosphorothioate	< 390	UG/KG	U	390		
			o-Toluidine	< 390	UG/KG	U	390		
			o-Xylene	< 6	UG/KG	U	6	99000	UG/KG
			OCDD	1.35	UG/KG		0.369		
			OCDF	< .321	UG/KG	U	0.321		
			p-Dimethylaminoazobenzene	< 390	UG/KG	U	390		

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-012	8/21/95	Soil	p-Phenylenediamine	< 390	UG/KG	U	390	7400000	UG/KG
			Pentachlorobenzene	< 390	UG/KG	U	390	31000	UG/KG
			Pentachloroethane	< 6	UG/KG	U	6	10	UG/KG
			Pentachloronitrobenzene	< 3.8	UG/KG	U	3.8	3300	UG/KG
			Pentachlorophenol	< 2000	UG/KG	U	2000	7100	UG/KG
			Phenacetin	< 390	UG/KG	U	390	na	UG/KG
			Phenanthrene	< 390	UG/KG	U	390	660	UG/KG
			Phenol	< 390	UG/KG	U	390	23000000	UG/KG
			Phorate	7.3	UG/KG		2	7800	UG/KG
			Pronamide	< 2	UG/KG	U	2	2900000	UG/KG
			Propionitrile	< 6	UG/KG	U	6	100	UG/KG
			Pyrene	< 390	UG/KG	U	390	1200000	UG/KG
			Pyridine	< 390	UG/KG	U	390	3900	UG/KG
			Safrole	< 390	UG/KG	U	390	na	UG/KG
			Selenium	< .59	MG/KG	U	0.59	390	MG/KG
			Silver	< .94	MG/KG	U	0.94	390	MG/KG
			SILVEX	< 29	UG/KG	U	29	110	UG/KG
			Styrene	< 6	UG/KG	U	6	13000000	UG/KG
			Sulfide, Total	< 48	MG/KG	U	1.2		MG/KG
			sym-Trinitrobenzene	< 390	UG/KG	U	390	2000	UG/KG
			Tetrachloroethene	< 6	UG/KG	U	6	22000	UG/KG
			Tetraethyl dithiopyrophosphate	< 197	UG/KG	U	197	20000	UG/KG
			Thallium	< 1.2	MG/KG	U	1.2		MG/KG
			Thionazin	< 390	UG/KG	U	390	nl	UG/KG
			Tin	< 29.4	MG/KG	U	29.4	47000	MG/KG
			Toluene	< 6	UG/KG	U	6	280000	UG/KG
			TOTAL HpCDD	< .678	UG/KG	U	0.678		
			TOTAL HpCDF	< .167	UG/KG	U	0.167		
			TOTAL HxCDD	< .262	UG/KG	U	0.262		
			TOTAL HxCDF	< .405	UG/KG	U	0.405		
			TOTAL PeCDD	< .5	UG/KG	U	0.5		
			TOTAL PeCDF	< .583	UG/KG	U	0.583		
			TOTAL TCDD	< .0476	UG/KG	U	0.0476		
			TOTAL TCDF	< .0595	UG/KG	U	0.0595		
			Toxaphene	< 190	UG/KG	U	190	770	UG/KG
			trans-1,2-Dichloroethene	< 6	UG/KG	U	6	620000	UG/KG
			trans-1,3-Dichloropropene	< 6	UG/KG	U	6	1000	UG/KG
			trans-1,4-Dichloro-2-butene	< 6	UG/KG	U	6	15	UG/KG
			Trichloroethene	< 6	UG/KG	U	6	14000	UG/KG
			Trichlorofluoromethane	< 6	UG/KG	U	6	410000	UG/KG
			Vanadium	21.6	MG/KG		1.9	550	MG/KG
			Vinyl Acetate	< 6	UG/KG	U	6	39000000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-012	8/21/95	Soil	Vinyl Chloride	< 12	UG/KG	U	12	9.7	UG/KG
			Zinc	64.2	MG/KG		2.4	23000	MG/KG
NSWC-14/00-013			1,1,1,2-Tetrachloroethane	< 6	UG/KG	U	6	10000	UG/KG
			1,1,1-Trichloroethane	< 6	UG/KG	U	6	300000	UG/KG
			1,1,2,2-Tetrachloroethane	< 6	UG/KG	U	6	2100	UG/KG
			1,1,2-Trichloroethane	< 6	UG/KG	U	6	2900	UG/KG
			1,1-Dichloroethane	< 6	UG/KG	U	6	400000	UG/KG
			1,1-Dichloroethene	< 6	UG/KG	U	6	70	UG/KG
			1,2,3-Trichloropropane	< 6	UG/KG	U	6	310000	UG/KG
			1,2,4,5-Tetrachlorobenzene	< 380	UG/KG	U	380	12000	UG/KG
			1,2,4-Trichlorobenzene	< 380	UG/KG	U	380	93000	UG/KG
			1,2-Dibromo-3-chloropropane	< 6	UG/KG	U	6	610	UG/KG
			1,2-Dibromoethane (EDB)	< 6	UG/KG	U	6	19	UG/KG
			1,2-Dichlorobenzene	< 380	UG/KG	U	380	230000	UG/KG
			1,2-Dichloroethane	< 6	UG/KG	U	6	840	UG/KG
			1,2-Dichloropropane	< 6	UG/KG	U	6	1300	UG/KG
			1,3-Dichlorobenzene	< 380	UG/KG	U	380	280000	UG/KG
			1,3-Dinitrobenzene	< 380	UG/KG	U	380	3900	UG/KG
			1,4-Dichlorobenzene	< 380	UG/KG	U	380	17000	UG/KG
			1,4-Dioxane	< 1000	UG/KG	U	1000	32000	UG/KG
			1,4-Naphthoquinone	< 380	UG/KG	U	380		
			1-Naphthylamine	< 380	UG/KG	U	380		
			1234678-HpCDD	< .686	UG/KG	U	0.686		
			1234678-HpCDF	< .0777	UG/KG	U	0.0777		
			123478-HxCDD	< .457	UG/KG	U	0.457		
			123478-HxCDF	< .589	UG/KG	U	0.589		
			1234789-HpCDF	< .168	UG/KG	U	0.168		
			123678-HxCDD	< .277	UG/KG	U	0.277		
			123678-HxCDF	< .349	UG/KG	U	0.349		
			12378-PeCDD	< .505	UG/KG	U	0.505		
			12378-PeCDF	< .469	UG/KG	U	0.469		
			123789-HxCDD	< .265	UG/KG	U	0.265		
			123789-HxCDF	< .409	UG/KG	U	0.409		
			2,3,4,6-Tetrachlorophenol	< 380	UG/KG	U	380	1200000	UG/KG
			2,4,5-T	< 30	UG/KG	U	30	390000	UG/KG
			2,4,5-Trichlorophenol	< 380	UG/KG	U	380	930	UG/KG
			2,4,6-Trichlorophenol	< 380	UG/KG	U	380	77000	UG/KG
			2,4-D	< 30	UG/KG	U	30	390000	UG/KG
			2,4-Dichlorophenol	< 380	UG/KG	U	380	120000	UG/KG
			2,4-Dimethylphenol	< 380	UG/KG	U	380	780000	UG/KG
			2,4-Dinitrophenol	< 1900	UG/KG	U	1900	78000	UG/KG
			2,4-Dinitrotoluene	< 380	UG/KG	U	380	78000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-013	8/21/95	Soil	2,6-Dichlorophenol	< 380	UG/KG	U	380		
			2,6-Dinitrotoluene	< 380	UG/KG	U	380	1300	UG/KG
			2-Acetylaminofluorene	< 380	UG/KG	U	380		
			2-Butanone	< 120	UG/KG	U	120	5200000	UG/KG
			2-Chloronaphthalene	< 380	UG/KG	U	380	3100000	UG/KG
			2-Chlorophenol	< 380	UG/KG	U	380	200000	UG/KG
			2-Hexanone	< 60	UG/KG	U	60	50	UG/KG
			2-Methylnapythalene	< 380	UG/KG	U	380	660	UG/KG
			2-Methylphenol	< 380	UG/KG	U	380	2000000	UG/KG
			2-Naphthylamine	< 380	UG/KG	U	380		
			2-Nitroaniline	< 1900	UG/KG	U	1900	2300	UG/KG
			2-Nitrophenol	< 380	UG/KG	U	380	300	UG/KG
			2-Picoline	< 380	UG/KG	U	380		
			234678-HxCDF	< .481	UG/KG	U	0.481		
			23478-PeCDF	< .589	UG/KG	U	0.589		
			2378-TCDD	< .0481	UG/KG	U	0.0481	0.0057	UG/KG
			2378-TCDF	< .0601	UG/KG	U	0.0601	na	UG/KG
			3,3'-Dichlorobenzidine	< 760	UG/KG	U	760	1900	UG/KG
			3,3'-Dimethylbenzidine	< 380	UG/KG	U	380	93	UG/KG
			3-Chloroprene	< 5	UG/KG	U	5	5	UG/KG
			3-Methylcholanthrene	< 380	UG/KG	U	380		
			3-Methylphenol	< 380	UG/KG	U	380	2000000	UG/KG
			3-Nitroaniline	< 1900	UG/KG	U	1900	3300	UG/KG
			4, 4'-DDD	< 4	UG/KG	U	4	3500	UG/KG
			4, 4'-DDE	< 4	UG/KG	U	4	2500	UG/KG
			4, 4'-DDT	< 4	UG/KG	U	4	8	UG/KG
			4,6-Dinitro-2-methylphenol	< 1900	UG/KG	U	1900	3300	UG/KG
			4-Aminobiphenyl	< 380	UG/KG	U	380		
			4-Bromophenyl-phenylether	< 380	UG/KG	U	380	660	UG/KG
			4-Chloroaniline	< 760	UG/KG	U	760	160000	UG/KG
			4-Chlorophenyl-phenylether	< 380	UG/KG	U	380		UG/KG
			4-Choro-3-methylphenol	< 380	UG/KG	U	380		UG/KG
			4-Methyl-2-Pentanone	< 60	UG/KG	U	60	2000000	UG/KG
			4-Methylphenol	< 380	UG/KG	U	380	200000	UG/KG
			4-Nitroaniline	< 1900	UG/KG	U	1900		
			4-Nitrophenol	< 380	UG/KG	U	380	190	UG/KG
			4-Nitroquinoline 1-oxide	< 380	UG/KG	U	380		
			5-Nitro-o-toluidine	< 380	UG/KG	U	380		
			7,12-Dimethylbenz(a)anthracen	< 380	UG/KG	U	380		
			a,a,a-Diethylphenethylamine	< 380	UG/KG	U	380		UG/KG
			Acenaphthene	< 380	UG/KG	U	380	36000	UG/KG
			Acenaphthylene	< 380	UG/KG	U	380	660	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-013	8/21/95	Soil	Acetone	9	UG/KG	JB	120	9200000	UG/KG
			Acetonitrile	< 6	UG/KG	U	6	230000	UG/KG
			Acetophenone	< 380	UG/KG	U	380	3900000	UG/KG
			Acrolein	< 1200	UG/KG	U	1200	780000	UG/KG
			Acrylonitrile	< 1200	UG/KG	U	1200	260	UG/KG
			Aldrin	< 2	UG/KG	U	2	50	UG/KG
			Allyl chloride	< 120	UG/KG	U	120	200000	UG/KG
			alpha-BHC	< 2	UG/KG	U	2	2.01	UG/KG
			Aniline	< 380	UG/KG	U	380	11000	UG/KG
			Anthracene	< 380	UG/KG	U	380	1900	UG/KG
			Antimony	< 2.2	MG/KG	U	2.2	31	MG/KG
			Aramite	< 380	UG/KG	U	380	34000	UG/KG
			Aroclor-1016	< 40	UG/KG	U	40	110	UG/KG
			Aroclor-1221	< 80	UG/KG	U	80	110	UG/KG
			Aroclor-1232	< 40	UG/KG	U	40	110	UG/KG
			Aroclor-1242	< 40	UG/KG	U	40	110	UG/KG
			Aroclor-1248	< 40	UG/KG	U	40	110	UG/KG
			Aroclor-1254	< 40	UG/KG	U	40	110	UG/KG
			Aroclor-1260	< 40	UG/KG	U	40	110	UG/KG
			Arsenic	5.8	MG/KG		1.1	0.97	MG/KG
			Barium	84.6	MG/KG		11	5500	MG/KG
			Benzene	< 6	UG/KG	U	6	2700	UG/KG
			Benzo[a]anthracene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[a]pyrene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[b]fluoranthene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[g,h,i]perylene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[k]fluoranthene	< 380	UG/KG	U	380	660	UG/KG
			Benzyl alcohol	< 760	UG/KG	U	760	12000000	UG/KG
			Beryllium	.94	MG/KG		0.22	0.4	MG/KG
			beta-BHC	< 2	UG/KG	U	2	4.02	UG/KG
			bis(2-Chloroethyl)ether	< 380	UG/KG	U	380	150	UG/KG
			bis(2-Chloroisopropyl)ether	< 380	UG/KG	U	380	12000	UG/KG
			bis(2-Choloethoxy)methane	< 380	UG/KG	U	380		UG/KG
			bis(2-Ethylhexyl)phthalate	< 380	UG/KG	U	380	61000	UG/KG
			Bromodichloromethane	< 6	UG/KG	U	6	2900	UG/KG
			Bromoform	< 6	UG/KG	U	6	110000	UG/KG
			Bromomethane	< 12	UG/KG	U	12	60000	UG/KG
			Butylbenzylphthalate	< 380	UG/KG	U	380	7800000	UG/KG
			Cadmium	< .44	MG/KG	U	0.44	39	MG/KG
			Carbon Disulfide	< 6	UG/KG	U	6	53000	UG/KG
			Carbon Tetrachloride	< 6	UG/KG	U	6	920	UG/KG
			Chlordane	< 40	UG/KG	U	40	660	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-013	8/21/95	Soil	Chlorobenzene	< 6	UG/KG	U	6	300000	UG/KG
			Chlorobenzilate	< 80	UG/KG	U	80	3200	UG/KG
			Chloroethane	< 12	UG/KG	U	12	270000	UG/KG
			Chloroform	< 6	UG/KG	U	6	960	UG/KG
			Chloromethane	< 12	UG/KG	U	12	3700	UG/KG
			Chloroprene	< 5	UG/KG	UZ	5	5	UG/KG
			Chromium	35.4	MG/KG		1.1	940	MG/KG
			Chrysene	< 380	UG/KG	U	380	800	UG/KG
			cis-1,3-Dichloropropene	< 6	UG/KG	U	6	1000	UG/KG
			Cobalt	9.7	MG/KG		1.2	0.1	MG/KG
			Copper	12.3	MG/KG		2.8	2900	MG/KG
			Cyanide, Total	< 1.2	MG/KG	U	1.2	1600	MG/KG
			delta-BHC	< 2	UG/KG	U	2	6.03	UG/KG
			Di-n-butylphthalate	< 380	UG/KG	U	380	3900000	UG/KG
			Di-n-octylphthalate	< 380	UG/KG	U	380	780000	UG/KG
			Diallate	< 399	UG/KG	U	399	14000	UG/KG
			Dibenz[a,h]anthracene	< 380	UG/KG	U	380	120	UG/KG
			Dibenzofuran	< 380	UG/KG	U	380	660	UG/KG
			Dibromochloromethane	< 6	UG/KG	U	6	10000	UG/KG
			Dibromomethane	< 6	UG/KG	U	6	390000	UG/KG
			Dichlorodifluoromethane	< 6	UG/KG	U	6	380000	UG/KG
			Dieldrin	< 4	UG/KG	U	4	53	UG/KG
			Diethylphthalate	< 380	UG/KG	U	380	31000000	UG/KG
			Dimethoate	< 3.9	UG/KG	U	3.9	7800	UG/KG
			Dimethylphthalate	< 380	UG/KG	U	380	10000000	UG/KG
			Diphenylamine	< 380	UG/KG	U	380	980000	UG/KG
			Disulfoton	< 2	UG/KG	U	2	1600	UG/KG
			Endosulfan I	< 2	UG/KG	U	2	2000	UG/KG
			Endosulfan II	< 4	UG/KG	U	4	2000	UG/KG
			Endosulfan Sulfate	< 4	UG/KG	U	4	44.2	UG/KG
			Endrin	< 4	UG/KG	U	4	12000	UG/KG
			Endrin aldehyde	< 4	UG/KG	U	4	15.4	UG/KG
			Endrin Ketone	< 4	UG/KG	U	4		
			Ethyl methacrylate	< 6	UG/KG	U	6	38000	UG/KG
			Ethyl methanesulfonate	< 380	UG/KG	U	380		
			Ethyl Parathion	< 2	UG/KG	U	2	230000	UG/KG
			Ethylbenzene	< 6	UG/KG	U	6	58000	UG/KG
			Famphur	< 2	UG/KG	U	2	na	UG/KG
			Fluoranthene	< 380	UG/KG	U	380	1600000	UG/KG
			Fluorene	< 380	UG/KG	U	380	28000	UG/KG
			gamma-BHC (Lindane)	< 4	UG/KG	U	4	2.68	UG/KG
			Heptachlor	< 2	UG/KG	U	2	190	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-013	8/21/95	Soil	Heptachlor epoxide	< 2	UG/KG	U	2	94	UG/KG
			Hexachlorethane	< 380	UG/KG	U	380	39000	UG/KG
			Hexachlorobenzene	< 380	UG/KG	U	380	530	UG/KG
			Hexachlorobutadiene	< 380	UG/KG	U	380	11000	UG/KG
			Hexachlorocyclopentadiene	< 380	UG/KG	U	380	270000	UG/KG
			Hexachloropropene	< 380	UG/KG	U	380	na	UG/KG
			Indeno[1,2,3-cd]pyrene	< 380	UG/KG	U	380	1200	UG/KG
			Iodomethane	< 6	UG/KG	U	6	5	UG/KG
			Isobutyl Alcohol	< 1000	UG/KG	U	1000	na	UG/KG
			Isodrin	< 10	UG/KG	U	10	na	UG/KG
			Isophorone	< 380	UG/KG	U	380	900000	UG/KG
			Isosafrole	< 380	UG/KG	U	380		
			Kepone	< 40	UG/KG	U	40	47	UG/KG
			Lead	12.8	MG/KG		1.1	500	MG/KG
			Lithium	71.9	MG/KG		11		
			m + p-Xylene	< 6	UG/KG	U	6	99000	UG/KG
			Mercury	< .12	MG/KG	U	0.12	23	MG/KG
			Methacrylonitrile	< 6	UG/KG	U	6	56000	UG/KG
			Methapyrilene	< 380	UG/KG	U	380		
			Methoxychlor	< 20	UG/KG	U	20	200000	UG/KG
			Methyl methacrylate	< 6	UG/KG	U	6	3200000	UG/KG
			Methyl methanesulfonate	< 380	UG/KG	U	380		
			Methyl Parathion	< 2	UG/KG	U	2	20	UG/KG
			Methylene Chloride	13	UG/KG		6	3700	UG/KG
			N-Nitroso-di-n-propylamine	< 380	UG/KG	U	380	120	UG/KG
			N-Nitrosodibutylamine	< 380	UG/KG	U	380	160	UG/KG
			N-Nitrosodiethylamine	< 380	UG/KG	U	380	5.7	UG/KG
			n-Nitrosodiphenylamine	< 380	UG/KG	U	380	170000	UG/KG
			N-Nitrosomethylethylamine	< 380	UG/KG	U	380	39	UG/KG
			n-Nitrosomorpholine	< 380	UG/KG	U	380		
			N-Nitrosopiperidine	< 380	UG/KG	U	380		
			N-Nitrosopyrrolidine	< 380	UG/KG	U	380		
			Naphthalene	< 380	UG/KG	U	380	80000	UG/KG
			Nickel	80.5	MG/KG		1.7	1600	MG/KG
			Nitrobenzene	< 380	UG/KG	U	380	20000	UG/KG
			o,o,o-Triethyl phosphorothioate	< 380	UG/KG	U	380		
			o-Toluidine	< 380	UG/KG	U	380		
			o-Xylene	< 6	UG/KG	U	6	99000	UG/KG
			OCDD	6.99	UG/KG		0.373		
			OCDF	< .325	UG/KG	U	0.325		
			p-Dimethylaminoazobenzene	< 380	UG/KG	U	380		
			p-Phenylenediamine	< 380	UG/KG	U	380	7400000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-013	8/21/95	Soil	Pentachlorobenzene	< 380	UG/KG	U	380	31000	UG/KG
			Pentachloroethane	< 6	UG/KG	U	6	10	UG/KG
			Pentachloronitrobenzene	< 4	UG/KG	U	4	3300	UG/KG
			Pentachlorophenol	< 1900	UG/KG	U	1900	7100	UG/KG
			Phenacetin	< 380	UG/KG	U	380	na	UG/KG
			Phenanthrene	< 380	UG/KG	U	380	660	UG/KG
			Phenol	< 380	UG/KG	U	380	23000000	UG/KG
			Phorate	6.5	UG/KG		2	7800	UG/KG
			Pronamide	< 2	UG/KG	U	2	2900000	UG/KG
			Propionitrile	< 6	UG/KG	U	6	100	UG/KG
			Pyrene	< 380	UG/KG	U	380	1200000	UG/KG
			Pyridine	< 380	UG/KG	U	380	3900	UG/KG
			Safrole	< 380	UG/KG	U	380	na	UG/KG
			Selenium	< .55	MG/KG	U	0.55	390	MG/KG
			Silver	< .88	MG/KG	U	0.88	390	MG/KG
			SILVEX	< 30	UG/KG	U	30	110	UG/KG
			Styrene	< 6	UG/KG	U	6	13000000	UG/KG
			Sulfide, Total	< 48	MG/KG	U	1.2		MG/KG
			sym-Trinitrobenzene	< 380	UG/KG	U	380	2000	UG/KG
			Tetrachloroethene	< 6	UG/KG	U	6	22000	UG/KG
			Tetraethyl dithiopyrophosphate	< 195	UG/KG	U	195	20000	UG/KG
			Thallium	< 1.1	MG/KG	U	1.1		MG/KG
			Thionazin	< 380	UG/KG	U	380	nl	UG/KG
			Tin	< 27.5	MG/KG	U	27.5	47000	MG/KG
			Toluene	< 6	UG/KG	U	6	280000	UG/KG
			TOTAL HpCDD	< .686	UG/KG	U	0.686		
			TOTAL HpCDF	< .168	UG/KG	U	0.168		
			TOTAL HxCDD	< .265	UG/KG	U	0.265		
			TOTAL HxCDF	< .409	UG/KG	U	0.409		
			TOTAL PeCDD	< .505	UG/KG	U	0.505		
			TOTAL PeCDF	< .589	UG/KG	U	0.589		
			TOTAL TCDD	< .0481	UG/KG	U	0.0481		
			TOTAL TCDF	< .0601	UG/KG	U	0.0601		
			Toxaphene	< 200	UG/KG	U	200	770	UG/KG
			trans-1,2-Dichloroethene	< 6	UG/KG	U	6	620000	UG/KG
			trans-1,3-Dichloropropene	< 6	UG/KG	U	6	1000	UG/KG
			trans-1,4-Dichloro-2-butene	< 6	UG/KG	U	6	15	UG/KG
			Trichloroethene	< 6	UG/KG	U	6	14000	UG/KG
			Trichlorofluoromethane	< 6	UG/KG	U	6	410000	UG/KG
			Vanadium	24.4	MG/KG		1.8	550	MG/KG
			Vinyl Acetate	< 6	UG/KG	U	6	39000000	UG/KG
			Vinyl Chloride	< 12	UG/KG	U	12	9.7	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-013	8/21/95	Soil	Zinc	47.4	MG/KG		2.2	23000	MG/KG
NSWC-14/00-014			1,1,1,2-Tetrachloroethane	< 5.6	UG/KG	U	5.6	10000	UG/KG
			1,1,1-Trichloroethane	< 5.6	UG/KG	U	5.6	300000	UG/KG
			1,1,2,2-Tetrachloroethane	< 5.6	UG/KG	U	5.6	2100	UG/KG
			1,1,2-Trichloroethane	< 5.6	UG/KG	U	5.6	2900	UG/KG
			1,1-Dichloroethane	< 5.6	UG/KG	U	5.6	400000	UG/KG
			1,1-Dichloroethene	< 5.6	UG/KG	U	5.6	70	UG/KG
			1,2,3-Trichloropropane	< 5.6	UG/KG	U	5.6	310000	UG/KG
			1,2,4,5-Tetrachlorobenzene	< 370	UG/KG	U	370	12000	UG/KG
			1,2,4-Trichlorobenzene	< 370	UG/KG	U	370	93000	UG/KG
			1,2-Dibromo-3-chloropropane	< 5.6	UG/KG	U	5.6	610	UG/KG
			1,2-Dibromoethane (EDB)	< 5.6	UG/KG	U	5.6	19	UG/KG
			1,2-Dichlorobenzene	< 370	UG/KG	U	370	230000	UG/KG
			1,2-Dichloroethane	< 5.6	UG/KG	U	5.6	840	UG/KG
			1,2 Dichloropropane	< 5.6	UG/KG	U	5.6	1300	UG/KG
			1,3-Dichlorobenzene	< 370	UG/KG	U	370	280000	UG/KG
			1,3-Dinitrobenzene	< 370	UG/KG	U	370	3900	UG/KG
			1,4-Dichlorobenzene	< 370	UG/KG	U	370	17000	UG/KG
			1,4-Dioxane	< 1000	UG/KG	U	1000	32000	UG/KG
			1,4-Naphthoquinone	< 370	UG/KG	U	370		
			1-Naphthylamine	< 370	UG/KG	U	370		
			1234678-HpCDD	< .633	UG/KG	U	0.633		
			1234678-HpCDF	< .0717	UG/KG	U	0.0717		
			123478-HxCDD	< .422	UG/KG	U	0.422		
			123478-HxCDF	< .544	UG/KG	U	0.544		
			1234789-HpCDF	< .155	UG/KG	U	0.155		
			123678-HxCDD	< .255	UG/KG	U	0.255		
			123678-HxCDF	< .322	UG/KG	U	0.322		
			12378-PeCDD	< .466	UG/KG	U	0.466		
			12378-PeCDF	< .433	UG/KG	U	0.433		
			123789-HxCDD	< .244	UG/KG	U	0.244		
			123789-HxCDF	< .377	UG/KG	U	0.377		
			2,3,4,6-Tetrachlorophenol	< 370	UG/KG	U	370	1200000	UG/KG
			2,4,5-T	< 28	UG/KG	U	28	390000	UG/KG
			2,4,5-Trichlorophenol	< 370	UG/KG	U	370	930	UG/KG
			2,4,6-Trichlorophenol	< 370	UG/KG	U	370	77000	UG/KG
			2,4-D	< 28	UG/KG	U	28	390000	UG/KG
			2,4-Dichlorophenol	< 370	UG/KG	U	370	120000	UG/KG
			2,4-Dimethylphenol	< 370	UG/KG	U	370	780000	UG/KG
			2,4-Dinitrophenol	< 1800	UG/KG	U	1800	78000	UG/KG
			2,4-Dinitrotoluene	< 370	UG/KG	U	370	78000	UG/KG
			2,6-Dichlorophenol	< 370	UG/KG	U	370		

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-014	8/21/95	Soil	2,6-Dinitrotoluene	< 370	UG/KG	U	370	1300	UG/KG
			2-Acetylaminofluorene	< 370	UG/KG	U	370		
			2-Butanone	< 110	UG/KG	U	110	5200000	UG/KG
			2-Chloronaphthalene	< 370	UG/KG	U	370	3100000	UG/KG
			2-Chlorophenol	< 370	UG/KG	U	370	200000	UG/KG
			2-Hexanone	< 56	UG/KG	U	56	50	UG/KG
			2-Methylnapythalene	< 370	UG/KG	U	370	660	UG/KG
			2-Methylphenol	< 370	UG/KG	U	370	2000000	UG/KG
			2-Naphthylamine	< 370	UG/KG	U	370		
			2-Nitroaniline	< 1800	UG/KG	U	1800	2300	UG/KG
			2-Nitrophenol	< 370	UG/KG	U	370	300	UG/KG
			2-Picoline	< 370	UG/KG	U	370		
			234678-HxCDF	< .444	UG/KG	U	0.444		
			23478-PeCDF	< .544	UG/KG	U	0.544		
			2378-TCDD	< .0444	UG/KG	U	0.0444	0.0057	UG/KG
			2378-TCDF	< .0555	UG/KG	U	0.0555	na	UG/KG
			3,3'-Dichlorobenzidine	< 730	UG/KG	U	730	1900	UG/KG
			3,3'-Dimethylbenzidine	< 370	UG/KG	U	370	93	UG/KG
			3-Chloroprene	< 5	UG/KG	U	5	5	UG/KG
			3-Methylcholanthrene	< 370	UG/KG	U	370		
			3-Methylphenol	< 370	UG/KG	U	370	2000000	UG/KG
			3-Nitroaniline	< 1800	UG/KG	U	1800	3300	UG/KG
			4, 4'-DDD	< 3.7	UG/KG	U	3.7	3500	UG/KG
			4, 4'-DDE	< 3.7	UG/KG	U	3.7	2500	UG/KG
			4, 4'-DDT	< 3.7	UG/KG	U	3.7	8	UG/KG
			4,6-Dinitro-2-methylphenol	< 1800	UG/KG	U	1800	3300	UG/KG
			4-Aminobiphenyl	< 370	UG/KG	U	370		
			4-Bromophenyl-phenylether	< 370	UG/KG	U	370	660	UG/KG
			4-Chloroaniline	< 730	UG/KG	U	730	160000	UG/KG
			4-Chlorophenyl-phenylether	< 370	UG/KG	U	370		UG/KG
			4-Choro-3-methylphenol	< 370	UG/KG	U	370		UG/KG
			4-Methyl-2-Pentanone	< 56	UG/KG	U	56	2000000	UG/KG
			4-Methylphenol	< 370	UG/KG	U	370	200000	UG/KG
			4-Nitroaniline	< 1800	UG/KG	U	1800		
			4-Nitrophenol	< 370	UG/KG	U	370	190	UG/KG
			4-Nitroquinoline 1-oxide	< 370	UG/KG	U	370		
			5-Nitro-o-toluidine	< 370	UG/KG	U	370		
			7,12-Dimethylbenz(a)anthracen	< 370	UG/KG	U	370		
			a,a,a-Diethylphenethylamine	< 370	UG/KG	U	370		UG/KG
			Acenaphthene	< 370	UG/KG	U	370	36000	UG/KG
			Acenaphthylene	< 370	UG/KG	U	370	660	UG/KG
			Acetone	12	UG/KG	JB	110	9200000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-014	8/21/95	Soil	Acetonitrile	< 5.6	UG/KG	U	5.6	230000	UG/KG
			Acetophenone	< 370	UG/KG	U	370	3900000	UG/KG
			Acrolein	< 1100	UG/KG	U	1100	780000	UG/KG
			Acrylonitrile	< 1100	UG/KG	U	1100	260	UG/KG
			Aldrin	< 1.8	UG/KG	U	1.8	50	UG/KG
			Allyl chloride	< 110	UG/KG	U	110	200000	UG/KG
			alpha-BHC	< 1.8	UG/KG	U	1.8	2.01	UG/KG
			Aniline	< 370	UG/KG	U	370	11000	UG/KG
			Anthracene	< 370	UG/KG	U	370	1900	UG/KG
			Antimony	< 2.2	MG/KG	U	2.2	31	MG/KG
			Aramite	< 370	UG/KG	U	370	34000	UG/KG
			Aroclor-1016	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1221	< 74	UG/KG	U	74	110	UG/KG
			Aroclor-1232	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1242	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1248	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1254	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1260	< 37	UG/KG	U	37	110	UG/KG
			Arsenic	2.7	MG/KG		1.1	0.97	MG/KG
			Barium	36.1	MG/KG		11.2	5500	MG/KG
			Benzene	< 5.6	UG/KG	U	5.6	2700	UG/KG
			Benzo[a]anthracene	< 370	UG/KG	U	370	660	UG/KG
			Benzo[a]pyrene	< 370	UG/KG	U	370	660	UG/KG
			Benzo[b]fluoranthene	< 370	UG/KG	U	370	660	UG/KG
			Benzo[g,h,i]perylene	< 370	UG/KG	U	370	660	UG/KG
			Benzo[k]fluoranthene	< 370	UG/KG	U	370	660	UG/KG
			Benzyl alcohol	< 730	UG/KG	U	730	12000000	UG/KG
			Beryllium	.86	MG/KG		0.22	0.4	MG/KG
			beta-BHC	< 1.8	UG/KG	U	1.8	4.02	UG/KG
			bis(2-Chloroethyl)ether	< 370	UG/KG	U	370	150	UG/KG
			bis(2-Chloroisopropyl)ether	< 370	UG/KG	U	370	12000	UG/KG
			bis(2-Choloethoxy)methane	< 370	UG/KG	U	370		UG/KG
			bis(2-Ethylhexyl)phthalate	< 370	UG/KG	U	370	61000	UG/KG
			Bromodichloromethane	< 5.6	UG/KG	U	5.6	2900	UG/KG
			Bromoform	< 5.6	UG/KG	U	5.6	110000	UG/KG
			Bromomethane	< 11	UG/KG	U	11	60000	UG/KG
			Butylbenzylphthalate	< 370	UG/KG	U	370	7800000	UG/KG
			Cadmium	< .45	MG/KG	U	0.45	39	MG/KG
			Carbon Disulfide	< 5.6	UG/KG	U	5.6	53000	UG/KG
			Carbon Tetrachloride	< 5.6	UG/KG	U	5.6	920	UG/KG
			Chlordane	< 37	UG/KG	U	37	660	UG/KG
			Chlorobenzene	< 5.6	UG/KG	U	5.6	300000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-014	8/21/95	Soil	Chlorobenzilate	< 74	UG/KG	U	74	3200	UG/KG
			Chloroethane	< 11	UG/KG	U	11	270000	UG/KG
			Chloroform	< 5.6	UG/KG	U	5.6	960	UG/KG
			Chloromethane	< 11	UG/KG	U	11	3700	UG/KG
			Chloroprene	< 5	UG/KG	UZ	5	5	UG/KG
			Chromium	17.5	MG/KG		1.1	940	MG/KG
			Chrysene	< 370	UG/KG	U	370	800	UG/KG
			cis-1,3-Dichloropropene	< 5.6	UG/KG	U	5.6	1000	UG/KG
			Cobalt	10.3	MG/KG		1.2	0.1	MG/KG
			Copper	109	MG/KG		2.8	2900	MG/KG
			Cyanide, Total	< 1.1	MG/KG	U	1.1	1600	MG/KG
			delta-BHC	< 1.8	UG/KG	U	1.8	6.03	UG/KG
			Di-n-butylphthalate	< 370	UG/KG	U	370	3900000	UG/KG
			Di-n-octylphthalate	< 370	UG/KG	U	370	780000	UG/KG
			Diallate	< 368	UG/KG	U	368	14000	UG/KG
			Dibenz[a,h]anthracene	< 370	UG/KG	U	370	120	UG/KG
			Dibenzofuran	< 370	UG/KG	U	370	660	UG/KG
			Dibromochloromethane	< 5.6	UG/KG	U	5.6	10000	UG/KG
			Dibromomethane	< 5.6	UG/KG	U	5.6	390000	UG/KG
			Dichlorodifluoromethane	< 5.6	UG/KG	U	5.6	380000	UG/KG
			Dieldrin	< 3.7	UG/KG	U	3.7	53	UG/KG
			Diethylphthalate	< 370	UG/KG	U	370	31000000	UG/KG
			Dimethoate	< 3.7	UG/KG	U	3.7	7800	UG/KG
			Dimethylphthalate	< 370	UG/KG	U	370	10000000	UG/KG
			Diphenylamine	< 370	UG/KG	U	370	980000	UG/KG
			Disulfoton	< 1.8	UG/KG	U	1.8	1600	UG/KG
			Endosulfan I	< 1.8	UG/KG	U	1.8	2000	UG/KG
			Endosulfan II	< 3.7	UG/KG	U	3.7	2000	UG/KG
			Endosulfan Sulfate	< 3.7	UG/KG	U	3.7	44.2	UG/KG
			Endrin	< 3.7	UG/KG	U	3.7	12000	UG/KG
			Endrin aldehyde	< 3.7	UG/KG	U	3.7	15.4	UG/KG
			Endrin Ketone	< 3.7	UG/KG	U	3.7		
			Ethyl methacrylate	< 5.6	UG/KG	U	5.6	38000	UG/KG
			Ethyl methanesulfonate	< 370	UG/KG	U	370		
			Ethyl Parathion	< 1.8	UG/KG	U	1.8	230000	UG/KG
			Ethylbenzene	< 5.6	UG/KG	U	5.6	58000	UG/KG
			Famphur	< 1.8	UG/KG	U	1.8	na	UG/KG
			Fluoranthene	< 370	UG/KG	U	370	1600000	UG/KG
			Fluorene	< 370	UG/KG	U	370	28000	UG/KG
			gamma-BHC (Lindane)	< 3.7	UG/KG	U	3.7	2.68	UG/KG
			Heptachlor	< 1.8	UG/KG	U	1.8	190	UG/KG
			Heptachlor epoxide	< 1.8	UG/KG	U	1.8	94	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-014	8/21/95	Soil	Hexachlorethane	< 370	UG/KG	U	370	39000	UG/KG
			Hexachlorobenzene	< 370	UG/KG	U	370	530	UG/KG
			Hexachlorobutadiene	< 370	UG/KG	U	370	11000	UG/KG
			Hexachlorocyclopentadiene	< 370	UG/KG	U	370	270000	UG/KG
			Hexachloropropene	< 370	UG/KG	U	370	na	UG/KG
			Indeno[1,2,3-cd]pyrene	< 370	UG/KG	U	370	1200	UG/KG
			Iodomethane	< 5.6	UG/KG	U	5.6	5	UG/KG
			Isobutyl Alcohol	< 1000	UG/KG	U	1000	na	UG/KG
			Isodrin	< 9.2	UG/KG	U	9.2	na	UG/KG
			Isophorone	< 370	UG/KG	U	370	900000	UG/KG
			Isosafrole	< 370	UG/KG	U	370		
			Kepone	< 37	UG/KG	U	37	47	UG/KG
			Lead	11.3	MG/KG		1.1	500	MG/KG
			Lithium	177	MG/KG		11.2		
			m + p-Xylene	< 5.6	UG/KG	U	5.6	99000	UG/KG
			Mercury	< .11	MG/KG	U	0.11	23	MG/KG
			Methacrylonitrile	< 5.6	UG/KG	U	5.6	56000	UG/KG
			Methapyrilene	< 370	UG/KG	U	370		
			Methoxychlor	< 18	UG/KG	U	18	200000	UG/KG
			Methyl methacrylate	< 5.6	UG/KG	U	5.6	3200000	UG/KG
			Methyl methanesulfonate	< 370	UG/KG	U	370		
			Methyl Parathion	< 1.8	UG/KG	U	1.8	20	UG/KG
			Methylene Chloride	11	UG/KG		5.6	3700	UG/KG
			N-Nitroso-di-n-propylamine	< 370	UG/KG	U	370	120	UG/KG
			N-Nitrosodibutylamine	< 370	UG/KG	U	370	160	UG/KG
			N-Nitrosodiethylamine	< 370	UG/KG	U	370	5.7	UG/KG
			n-Nitrosodiphenylamine	< 370	UG/KG	U	370	170000	UG/KG
			N-Nitrosomethylethylamine	< 370	UG/KG	U	370	39	UG/KG
			n-Nitrosomorpholine	< 370	UG/KG	U	370		
			N-Nitrosopiperidine	< 370	UG/KG	U	370		
			N-Nitrosopyrrolidine	< 370	UG/KG	U	370		
			Naphthalene	< 370	UG/KG	U	370	80000	UG/KG
			Nickel	253	MG/KG		1.7	1600	MG/KG
			Nitrobenzene	< 370	UG/KG	U	370	20000	UG/KG
			o,o,o-Triethyl phosphorothioate	< 370	UG/KG	U	370		
			o-Toluidine	< 370	UG/KG	U	370		
			o-Xylene	< 5.6	UG/KG	U	5.6	99000	UG/KG
			OCDD	< .344	UG/KG	U	0.344		
			OCDF	< .3	UG/KG	U	0.3		
			p-Dimethylaminoazobenzene	< 370	UG/KG	U	370		
			p-Phenylenediamine	< 370	UG/KG	U	370	7400000	UG/KG
			Pentachlorobenzene	< 370	UG/KG	U	370	31000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-014	8/21/95	Soil	Pentachloroethane	< 5.6	UG/KG	U	5.6	10	UG/KG
			Pentachloronitrobenzene	< 3.7	UG/KG	U	3.7	3300	UG/KG
			Pentachlorophenol	< 1800	UG/KG	U	1800	7100	UG/KG
			Phenacetin	< 370	UG/KG	U	370	na	UG/KG
			Phenanthrene	< 370	UG/KG	U	370	660	UG/KG
			Phenol	< 370	UG/KG	U	370	23000000	UG/KG
			Phorate	< 1.8	UG/KG	U	1.8	7800	UG/KG
			Pronamide	< 1.8	UG/KG	U	1.8	2900000	UG/KG
			Propionitrile	< 5.6	UG/KG	U	5.6	100	UG/KG
			Pyrene	< 370	UG/KG	U	370	1200000	UG/KG
			Pyridine	< 370	UG/KG	U	370	3900	UG/KG
			Safrole	< 370	UG/KG	U	370	na	UG/KG
			Selenium	< .56	MG/KG	U	0.56	390	MG/KG
			Silver	< .89	MG/KG	U	0.89	390	MG/KG
			SILVFX	< 28	UG/KG	U	28	110	UG/KG
			Styrene	< 5.6	UG/KG	U	5.6	13000000	UG/KG
			Sulfide, Total	< 45	MG/KG	U	1.1		MG/KG
			sym-Trinitrobenzene	< 370	UG/KG	U	370	2000	UG/KG
			Tetrachloroethene	< 5.6	UG/KG	U	5.6	22000	UG/KG
			Tetraethyl dithiopyrophosphate	< 183	UG/KG	U	183	20000	UG/KG
			Thallium	< 1.1	MG/KG	U	1.1		MG/KG
			Thionazin	< 370	UG/KG	U	370	nl	UG/KG
			Tin	< 27.9	MG/KG	U	27.9	47000	MG/KG
			Toluene	< 5.6	UG/KG	U	5.6	280000	UG/KG
			TOTAL HpCDD	< .633	UG/KG	U	0.633		
			TOTAL HpCDF	< .155	UG/KG	U	0.155		
			TOTAL HxCDD	< .244	UG/KG	U	0.244		
			TOTAL HxCDF	< .377	UG/KG	U	0.377		
			TOTAL PeCDD	< .466	UG/KG	U	0.466		
			TOTAL PeCDF	< .544	UG/KG	U	0.544		
			TOTAL TCDD	< .0444	UG/KG	U	0.0444		
			TOTAL TCDF	< .0555	UG/KG	U	0.0555		
			Toxaphene	< 180	UG/KG	U	180	770	UG/KG
			trans-1,2-Dichloroethene	< 5.6	UG/KG	U	5.6	620000	UG/KG
			trans-1,3-Dichloropropene	< 5.6	UG/KG	U	5.6	1000	UG/KG
			trans-1,4-Dichloro-2-butene	< 5.6	UG/KG	U	5.6	15	UG/KG
			Trichloroethene	< 5.6	UG/KG	U	5.6	14000	UG/KG
			Trichlorofluoromethane	< 5.6	UG/KG	U	5.6	410000	UG/KG
			Vanadium	15.2	MG/KG		1.8	550	MG/KG
			Vinyl Acetate	< 5.6	UG/KG	U	5.6	39000000	UG/KG
			Vinyl Chloride	< 11	UG/KG	U	11	9.7	UG/KG
			Zinc	157	MG/KG		2.2	23000	MG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-015	8/21/95	Soil	1,1,1,2-Tetrachloroethane	< 5.6	UG/KG	U	5.6	10000	UG/KG
			1,1,1-Trichloroethane	< 5.6	UG/KG	U	5.6	300000	UG/KG
			1,1,2,2-Tetrachloroethane	< 5.6	UG/KG	U	5.6	2100	UG/KG
			1,1,2-Trichloroethane	< 5.6	UG/KG	U	5.6	2900	UG/KG
			1,1-Dichloroethane	< 5.6	UG/KG	U	5.6	400000	UG/KG
			1,1-Dichloroethene	< 5.6	UG/KG	U	5.6	70	UG/KG
			1,2,3-Trichloropropane	< 5.6	UG/KG	U	5.6	310000	UG/KG
			1,2,4,5-Tetrachlorobenzene	< 370	UG/KG	U	370	12000	UG/KG
			1,2,4-Trichlorobenzene	< 370	UG/KG	U	370	93000	UG/KG
			1,2-Dibromo-3-chloropropane	< 5.6	UG/KG	U	5.6	610	UG/KG
			1,2-Dibromoethane (EDB)	< 5.6	UG/KG	U	5.6	19	UG/KG
			1,2-Dichlorobenzene	< 370	UG/KG	U	370	230000	UG/KG
			1,2-Dichloroethane	< 5.6	UG/KG	U	5.6	840	UG/KG
			1,2-Dichloropropane	< 5.6	UG/KG	U	5.6	1300	UG/KG
			1,3-Dichlorobenzene	< 370	UG/KG	U	370	280000	UG/KG
			1,3-Dinitrobenzene	< 370	UG/KG	U	370	3900	UG/KG
			1,4-Dichlorobenzene	< 370	UG/KG	U	370	17000	UG/KG
			1,4-Dioxane	< 1000	UG/KG	U	1000	32000	UG/KG
			1,4-Naphthoquinone	< 370	UG/KG	U	370		
			1-Naphthylamine	< 370	UG/KG	U	370		
			1234678-HpCDD	< .66	UG/KG	U	0.66		
			1234678-HpCDF	< .0748	UG/KG	U	0.0748		
			123478-HxCDD	< .44	UG/KG	U	0.44		
			123478-HxCDF	< .567	UG/KG	U	0.567		
			1234789-HpCDF	< .162	UG/KG	U	0.162		
			123678-HxCDD	< .266	UG/KG	U	0.266		
			123678-HxCDF	< .336	UG/KG	U	0.336		
			12378-PeCDD	< .486	UG/KG	U	0.486		
			12378-PeCDF	< .452	UG/KG	U	0.452		
			123789-HxCDD	< .255	UG/KG	U	0.255		
			123789-HxCDF	< .394	UG/KG	U	0.394		
			2,3,4,6-Tetrachlorophenol	< 370	UG/KG	U	370	1200000	UG/KG
			2,4,5-T	< 28	UG/KG	U	28	390000	UG/KG
			2,4,5-Trichlorophenol	< 370	UG/KG	U	370	930	UG/KG
			2,4,6-Trichlorophenol	< 370	UG/KG	U	370	77000	UG/KG
			2,4-D	< 28	UG/KG	U	28	390000	UG/KG
			2,4-Dichlorophenol	< 370	UG/KG	U	370	120000	UG/KG
			2,4-Dimethylphenol	< 370	UG/KG	U	370	780000	UG/KG
			2,4-Dinitrophenol	< 1800	UG/KG	U	1800	78000	UG/KG
			2,4-Dinitrotoluene	< 370	UG/KG	U	370	78000	UG/KG
			2,6-Dichlorophenol	< 370	UG/KG	U	370		
			2,6-Dinitrotoluene	< 370	UG/KG	U	370	1300	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-015	8/21/95	Soil	2-Acetylaminofluorene	< 370	UG/KG	U	370		
			2-Butanone	< 110	UG/KG	U	110	5200000	UG/KG
			2-Chloronaphthalene	< 370	UG/KG	U	370	3100000	UG/KG
			2-Chlorophenol	< 370	UG/KG	U	370	200000	UG/KG
			2-Hexanone	< 56	UG/KG	U	56	50	UG/KG
			2-Methylnapythalene	< 370	UG/KG	U	370	660	UG/KG
			2-Methylphenol	< 370	UG/KG	U	370	2000000	UG/KG
			2-Naphthylamine	< 370	UG/KG	U	370		
			2-Nitroaniline	< 1800	UG/KG	U	1800	2300	UG/KG
			2-Nitrophenol	< 370	UG/KG	U	370	300	UG/KG
			2-Picoline	< 370	UG/KG	U	370		
			234678-HxCDF	< .463	UG/KG	U	0.463		
			23478-PeCDF	< .567	UG/KG	U	0.567		
			2378-TCDD	< .0463	UG/KG	U	0.0463	0.0057	UG/KG
			2378-TCDF	.0579	UG/KG	U	0.0579	na	UG/KG
			3,3'-Dichlorobenzidine	< 740	UG/KG	U	740	1900	UG/KG
			3,3'-Dimethylbenzidine	< 370	UG/KG	U	370	93	UG/KG
			3-Chloroprene	< 5	UG/KG	U	5	5	UG/KG
			3-Methylcholanthrene	< 370	UG/KG	U	370		
			3-Methylphenol	< 370	UG/KG	U	370	2000000	UG/KG
			3-Nitroaniline	< 1800	UG/KG	U	1800	3300	UG/KG
			4, 4'-DDD	< 3.7	UG/KG	U	3.7	3500	UG/KG
			4, 4'-DDE	< 3.7	UG/KG	U	3.7	2500	UG/KG
			4, 4'-DDT	< 3.7	UG/KG	U	3.7	8	UG/KG
			4,6-Dinitro-2-methylphenol	< 1800	UG/KG	U	1800	3300	UG/KG
			4-Aminobiphenyl	< 370	UG/KG	U	370		
			4-Bromophenyl-phenylether	< 370	UG/KG	U	370	660	UG/KG
			4-Chloroaniline	< 740	UG/KG	U	740	160000	UG/KG
			4-Chlorophenyl-phenylether	< 370	UG/KG	U	370		UG/KG
			4-Choro-3-methylphenol	< 370	UG/KG	U	370		UG/KG
			4-Methyl-2-Pentanone	< 56	UG/KG	U	56	2000000	UG/KG
			4-Methylphenol	< 370	UG/KG	U	370	200000	UG/KG
			4-Nitroaniline	< 1800	UG/KG	U	1800		
			4-Nitrophenol	< 370	UG/KG	U	370	190	UG/KG
			4-Nitroquinoline 1-oxide	< 370	UG/KG	U	370		
			5-Nitro-o-toluidine	< 370	UG/KG	U	370		
			7,12-Dimethylbenz(a)anthracen	< 370	UG/KG	U	370		
			a,a,a-Diethylphenethylamine	< 370	UG/KG	U	370		UG/KG
			Acenaphthene	< 370	UG/KG	U	370	36000	UG/KG
			Acenaphthylene	< 370	UG/KG	U	370	660	UG/KG
			Acetone	13	UG/KG	JB	110	9200000	UG/KG
			Acetonitrile	< 5.6	UG/KG	U	5.6	230000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-015	8/21/95	Soil	Acetophenone	< 370	UG/KG	U	370	3900000	UG/KG
			Acrolein	< 1100	UG/KG	U	1100	780000	UG/KG
			Acrylonitrile	< 1100	UG/KG	U	1100	260	UG/KG
			Aldrin	< 1.9	UG/KG	U	1.9	50	UG/KG
			Allyl chloride	< 110	UG/KG	U	110	200000	UG/KG
			alpha-BHC	< 1.9	UG/KG	U	1.9	2.01	UG/KG
			Aniline	< 370	UG/KG	U	370	11000	UG/KG
			Anthracene	< 370	UG/KG	U	370	1900	UG/KG
			Antimony	< 2.3	MG/KG	U	2.3	31	MG/KG
			Aramite	< 370	UG/KG	U	370	34000	UG/KG
			Aroclor-1016	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1221	< 74	UG/KG	U	74	110	UG/KG
			Aroclor-1232	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1242	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1248	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1254	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1260	< 37	UG/KG	U	37	110	UG/KG
			Arsenic	6.1	MG/KG		1.1	0.97	MG/KG
			Barium	39.7	MG/KG		11.4	5500	MG/KG
			Benzene	< 5.6	UG/KG	U	5.6	2700	UG/KG
			Benzo[a]anthracene	< 370	UG/KG	U	370	660	UG/KG
			Benzo[a]pyrene	< 370	UG/KG	U	370	660	UG/KG
			Benzo[b]fluoranthene	< 370	UG/KG	U	370	660	UG/KG
			Benzo[g,h,i]perylene	< 370	UG/KG	U	370	660	UG/KG
			Benzo[k]fluoranthene	< 370	UG/KG	U	370	660	UG/KG
			Benzyl alcohol	< 740	UG/KG	U	740	12000000	UG/KG
			Beryllium	.52	MG/KG	B	0.23	0.4	MG/KG
			beta-BHC	< 1.9	UG/KG	U	1.9	4.02	UG/KG
			bis(2-Chloroethyl)ether	< 370	UG/KG	U	370	150	UG/KG
			bis(2-Chloroisopropyl)ether	< 370	UG/KG	U	370	12000	UG/KG
			bis(2-Choloethoxy)methane	< 370	UG/KG	U	370		UG/KG
			bis(2-Ethylhexyl)phthalate	< 370	UG/KG	U	370	61000	UG/KG
			Bromodichloromethane	< 5.6	UG/KG	U	5.6	2900	UG/KG
			Bromoform	< 5.6	UG/KG	U	5.6	110000	UG/KG
			Bromomethane	< 11	UG/KG	U	11	60000	UG/KG
			Butylbenzylphthalate	< 370	UG/KG	U	370	7800000	UG/KG
			Cadmium	< .45	MG/KG	U	0.46	39	MG/KG
			Carbon Disulfide	< 5.6	UG/KG	U	5.6	53000	UG/KG
			Carbon Tetrachloride	< 5.6	UG/KG	U	5.6	920	UG/KG
			Chlordane	< 37	UG/KG	U	37	660	UG/KG
			Chlorobenzene	< 5.6	UG/KG	U	5.6	300000	UG/KG
			Chlorobenzilate	< 74	UG/KG	U	74	3200	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-015	8/21/95	Soil	Chloroethane	< 11	UG/KG	U	11	270000	UG/KG
			Chloroform	< 5.6	UG/KG	U	5.6	960	UG/KG
			Chloromethane	< 11	UG/KG	U	11	3700	UG/KG
			Chloroprene	< 5	UG/KG	UZ	5	5	UG/KG
			Chromium	14.9	MG/KG		1.1	940	MG/KG
			Chrysene	< 370	UG/KG	U	370	800	UG/KG
			cis-1,3-Dichloropropene	< 5.6	UG/KG	U	5.6	1000	UG/KG
			Cobalt	4.8	MG/KG	B	1.2	0.1	MG/KG
			Copper	12.8	MG/KG		2.8	2900	MG/KG
			Cyanide, Total	< 1.1	MG/KG	U	1.1	1600	MG/KG
			delta-BHC	< 1.9	UG/KG	U	1.9	6.03	UG/KG
			Di-n-butylphthalate	< 370	UG/KG	U	370	3900000	UG/KG
			Di-n-octylphthalate	< 370	UG/KG	U	370	780000	UG/KG
			Diallate	< 371	UG/KG	U	371	14000	UG/KG
			Dibenz[a,h]anthracene	< 370	UG/KG	U	370	120	UG/KG
			Dibenzofuran	< 370	UG/KG	U	370	660	UG/KG
			Dibromochloromethane	< 5.6	UG/KG	U	5.6	10000	UG/KG
			Dibromomethane	< 5.6	UG/KG	U	5.6	390000	UG/KG
			Dichlorodifluoromethane	< 5.6	UG/KG	U	5.6	380000	UG/KG
			Dieldrin	< 3.7	UG/KG	U	3.7	53	UG/KG
			Diethylphthalate	< 370	UG/KG	U	370	31000000	UG/KG
			Dimethoate	< 3.7	UG/KG	U	3.7	7800	UG/KG
			Dimethylphthalate	< 370	UG/KG	U	370	10000000	UG/KG
			Diphenylamine	< 370	UG/KG	U	370	980000	UG/KG
			Disulfoton	< 1.9	UG/KG	U	1.9	1600	UG/KG
			Endosulfan I	< 1.9	UG/KG	U	1.9	2000	UG/KG
			Endosulfan II	< 3.7	UG/KG	U	3.7	2000	UG/KG
			Endosulfan Sulfate	< 3.7	UG/KG	U	3.7	44.2	UG/KG
			Endrin	< 3.7	UG/KG	U	3.7	12000	UG/KG
			Endrin aldehyde	< 3.7	UG/KG	U	3.7	15.4	UG/KG
			Endrin Ketone	< 3.7	UG/KG	U	3.7		
			Ethyl methacrylate	< 5.6	UG/KG	U	5.6	38000	UG/KG
			Ethyl methanesulfonate	< 370	UG/KG	U	370		
			Ethyl Parathion	< 1.9	UG/KG	U	1.9	230000	UG/KG
			Ethylbenzene	< 5.6	UG/KG	U	5.6	58000	UG/KG
			Famphur	< 1.9	UG/KG	U	1.9	na	UG/KG
			Fluoranthene	< 370	UG/KG	U	370	1600000	UG/KG
			Fluorene	< 370	UG/KG	U	370	28000	UG/KG
			gamma-BHC (Lindane)	< 3.7	UG/KG	U	3.7	2.68	UG/KG
			Heptachlor	< 1.9	UG/KG	U	1.9	190	UG/KG
			Heptachlor epoxide	< 1.9	UG/KG	U	1.9	94	UG/KG
			Hexachlorethane	< 370	UG/KG	U	370	39000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-015	8/21/95	Soil	Hexachlorobenzene	< 370	UG/KG	U	370	530	UG/KG
			Hexachlorobutadiene	< 370	UG/KG	U	370	11000	UG/KG
			Hexachlorocyclopentadiene	< 370	UG/KG	U	370	270000	UG/KG
			Hexachloropropene	< 370	UG/KG	U	370	na	UG/KG
			Indeno[1,2,3-cd]pyrene	< 370	UG/KG	U	370	1200	UG/KG
			Iodomethane	< 5.6	UG/KG	U	5.6	5	UG/KG
			Isobutyl Alcohol	< 1000	UG/KG	U	1000	na	UG/KG
			Isodrin	< 9.3	UG/KG	U	9.3	na	UG/KG
			Isophorone	< 370	UG/KG	U	370	900000	UG/KG
			Isosafrole	< 370	UG/KG	U	370		
			Kepone	< 37	UG/KG	U	37	47	UG/KG
			Lead	8.4	MG/KG		1.1	500	MG/KG
			Lithium	83.9	MG/KG		11.4		
			m + p-Xylene	< 5.6	UG/KG	U	5.6	99000	UG/KG
			Mercury	< .11	MG/KG	U	0.11	23	MG/KG
			Methacrylonitrile	< 5.6	UG/KG	U	5.6	56000	UG/KG
			Methapyrilene	< 370	UG/KG	U	370		
			Methoxychlor	< 19	UG/KG	U	19	200000	UG/KG
			Methyl methacrylate	< 5.6	UG/KG	U	5.6	3200000	UG/KG
			Methyl methanesulfonate	< 370	UG/KG	U	370		
			Methyl Parathion	< 1.9	UG/KG	U	1.9	20	UG/KG
			Methylene Chloride	12	UG/KG		5.6	3700	UG/KG
			N-Nitroso-di-n-propylamine	< 370	UG/KG	U	370	120	UG/KG
			N-Nitrosodibutylamine	< 370	UG/KG	U	370	160	UG/KG
			N-Nitrosodiethylamine	< 370	UG/KG	U	370	5.7	UG/KG
			n-Nitrosodiphenylamine	< 370	UG/KG	U	370	170000	UG/KG
			N-Nitrosomethylethylamine	< 370	UG/KG	U	370	39	UG/KG
			n-Nitrosomorpholine	< 370	UG/KG	U	370		
			N-Nitrosopiperidine	< 370	UG/KG	U	370		
			N-Nitrosopyrrolidine	< 370	UG/KG	U	370		
			Naphthalene	< 370	UG/KG	U	370	80000	UG/KG
			Nickel	12.1	MG/KG		1.7	1600	MG/KG
			Nitrobenzene	< 370	UG/KG	U	370	20000	UG/KG
			o,o,o-Triethyl phosphorothioate	< 370	UG/KG	U	370		
			o-Toluidine	< 370	UG/KG	U	370		
			o-Xylene	< 5.6	UG/KG	U	5.6	99000	UG/KG
			OCDD	.543	UG/KG		0.359		
			OCDF	< .313	UG/KG	U	0.313		
			p-Dimethylaminoazobenzene	< 370	UG/KG	U	370		
			p-Phenylenediamine	< 370	UG/KG	U	370	7400000	UG/KG
			Pentachlorobenzene	< 370	UG/KG	U	370	31000	UG/KG
			Pentachloroethane	< 5.6	UG/KG	U	5.6	10	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-015	8/21/95	Soil	Pentachloronitrobenzene	< 3.7	UG/KG	U	3.7	3300	UG/KG
			Pentachlorophenol	< 1800	UG/KG	U	1800	7100	UG/KG
			Phenacetin	< 370	UG/KG	U	370	na	UG/KG
			Phenanthrene	< 370	UG/KG	U	370	660	UG/KG
			Phenol	< 370	UG/KG	U	370	23000000	UG/KG
			Phorate	< 1.9	UG/KG	U	1.9	7800	UG/KG
			Pronamide	< 1.9	UG/KG	U	1.9	2900000	UG/KG
			Propionitrile	< 5.6	UG/KG	U	5.6	100	UG/KG
			Pyrene	< 370	UG/KG	U	370	1200000	UG/KG
			Pyridine	< 370	UG/KG	U	370	3900	UG/KG
			Safrole	< 370	UG/KG	U	370	na	UG/KG
			Selenium	< .57	MG/KG	U	0.57	390	MG/KG
			Silver	< .91	MG/KG	U	0.91	390	MG/KG
			SILVEX	< 28	UG/KG	U	28	110	UG/KG
			Styrene	< 5.6	UG/KG	U	5.6	13000000	UG/KG
			Sulfide, Total	< 45	MG/KG	U	1.1		MG/KG
			sym-Trinitrobenzene	< 370	UG/KG	U	370	2000	UG/KG
			Tetrachloroethene	< 5.6	UG/KG	U	5.6	22000	UG/KG
			Tetraethyl dithiopyrophosphate	< 186	UG/KG	U	186	20000	UG/KG
			Thallium	< 1.1	MG/KG	U	1.1		MG/KG
			Thionazin	< 370	UG/KG	U	370	nl	UG/KG
			Tin	< 28.4	MG/KG	U	28.4	47000	MG/KG
			Toluene	< 5.6	UG/KG	U	5.6	280000	UG/KG
			TOTAL HpCDD	< .66	UG/KG	U	0.66		
			TOTAL HpCDF	< .162	UG/KG	U	0.162		
			TOTAL HxCDD	< .255	UG/KG	U	0.255		
			TOTAL HxCDF	< .394	UG/KG	U	0.394		
			TOTAL PeCDD	< .486	UG/KG	U	0.486		
			TOTAL PeCDF	< .567	UG/KG	U	0.567		
			TOTAL TCDD	< .0463	UG/KG	U	0.0463		
			TOTAL TCDF	< .0579	UG/KG	U	0.0579		
			Toxaphene	< 190	UG/KG	U	190	770	UG/KG
			trans-1,2-Dichloroethene	< 5.6	UG/KG	U	5.6	620000	UG/KG
			trans-1,3-Dichloropropene	< 5.6	UG/KG	U	5.6	1000	UG/KG
			trans-1,4-Dichloro-2-butene	< 5.6	UG/KG	U	5.6	15	UG/KG
			Trichloroethene	< 5.6	UG/KG	U	5.6	14000	UG/KG
			Trichlorofluoromethane	< 5.6	UG/KG	U	5.6	410000	UG/KG
			Vanadium	23.7	MG/KG		1.8	550	MG/KG
			Vinyl Acetate	< 5.6	UG/KG	U	5.6	39000000	UG/KG
			Vinyl Chloride	< 11	UG/KG	U	11	9.7	UG/KG
			Zinc	43.8	MG/KG		2.3	23000	MG/KG
NSWC-14/00-016	8/22/95		1,1,1,2-Tetrachloroethane	< 5.5	UG/KG	U	5.5	10000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-016	8/22/95	Soil	1,1,1-Trichloroethane	< 5.5	UG/KG	U	5.5	300000	UG/KG
			1,1,2,2-Tetrachloroethane	< 5.5	UG/KG	U	5.5	2100	UG/KG
			1,1,2-Trichloroethane	< 5.5	UG/KG	U	5.5	2900	UG/KG
			1,1-Dichloroethane	< 5.5	UG/KG	U	5.5	400000	UG/KG
			1,1-Dichloroethene	< 5.5	UG/KG	U	5.5	70	UG/KG
			1,2,3-Trichloropropane	< 5.5	UG/KG	U	5.5	310000	UG/KG
			1,2,4,5-Tetrachlorobenzene	< 340	UG/KG	U	340	12000	UG/KG
			1,2,4-Trichlorobenzene	< 340	UG/KG	U	340	93000	UG/KG
			1,2-Dibromo-3-chloropropane	< 5.5	UG/KG	U	5.5	610	UG/KG
			1,2-Dibromoethane (EDB)	< 5.5	UG/KG	U	5.5	19	UG/KG
			1,2-Dichlorobenzene	< 340	UG/KG	U	340	230000	UG/KG
			1,2-Dichloroethane	< 5.5	UG/KG	U	5.5	840	UG/KG
			1,2-Dichloropropane	< 5.5	UG/KG	U	5.5	1300	UG/KG
			1,3-Dichlorobenzene	< 340	UG/KG	U	340	280000	UG/KG
			1,3-Dinitrobenzene	< 340	UG/KG	U	340	3900	UG/KG
			1,4-Dichlorobenzene	< 340	UG/KG	U	340	17000	UG/KG
			1,4-Dioxane	< 1000	UG/KG	U	1000	32000	UG/KG
			1,4-Naphthoquinone	< 340	UG/KG	U	340		
			1-Naphthylamine	< 340	UG/KG	U	340		
			1234678-HpCDD	< .648	UG/KG	U	0.648		
			1234678-HpCDF	< .0735	UG/KG	U	0.0735		
			123478-HxCDD	< .432	UG/KG	U	0.432		
			123478-HxCDF	< .557	UG/KG	U	0.557		
			1234789-HpCDF	< .159	UG/KG	U	0.159		
			123678-HxCDD	< .262	UG/KG	U	0.262		
			123678-HxCDF	< .33	UG/KG	U	0.33		
			12378-PeCDD	< .478	UG/KG	U	0.478		
			12378-PeCDF	< .444	UG/KG	U	0.444		
			123789-HxCDD	< .25	UG/KG	U	0.25		
			123789-HxCDF	< .387	UG/KG	U	0.387		
			2,3,4,6-Tetrachlorophenol	< 340	UG/KG	U	340	1200000	UG/KG
			2,4,5-T	< 28	UG/KG	U	28	390000	UG/KG
			2,4,5-Trichlorophenol	< 340	UG/KG	U	340	930	UG/KG
			2,4,6-Trichlorophenol	< 340	UG/KG	U	340	77000	UG/KG
			2,4-D	< 28	UG/KG	U	28	390000	UG/KG
			2,4-Dichlorophenol	< 340	UG/KG	U	340	120000	UG/KG
			2,4-Dimethylphenol	< 340	UG/KG	U	340	780000	UG/KG
			2,4-Dinitrophenol	< 1700	UG/KG	U	1700	78000	UG/KG
			2,4-Dinitrotoluene	< 340	UG/KG	U	340	78000	UG/KG
			2,6-Dichlorophenol	< 340	UG/KG	U	340		
			2,6-Dinitrotoluene	< 340	UG/KG	U	340	1300	UG/KG
			2-Acetylaminofluorene	< 340	UG/KG	U	340		

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-016	8/22/95	Soil	2-Butanone	< 110	UG/KG	U	110	5200000	UG/KG
			2-Chloronaphthalene	< 340	UG/KG	U	340	3100000	UG/KG
			2-Chlorophenol	< 340	UG/KG	U	340	200000	UG/KG
			2-Hexanone	< 55	UG/KG	U	55	50	UG/KG
			2-Methylnapythalene	< 340	UG/KG	U	340	660	UG/KG
			2-Methylphenol	< 340	UG/KG	U	340	2000000	UG/KG
			2-Naphthylamine	< 340	UG/KG	U	340		
			2-Nitroaniline	< 1700	UG/KG	U	1700	2300	UG/KG
			2-Nitrophenol	< 340	UG/KG	U	340	300	UG/KG
			2-Picoline	< 340	UG/KG	U	340		
			234678-HxCDF	< .455	UG/KG	U	0.455		
			23478-PeCDF	< .557	UG/KG	U	0.557		
			2378-TCDD	< .0455	UG/KG	U	0.0455	0.0057	UG/KG
			2378-TCDF	< .0569	UG/KG	U	0.0569	na	UG/KG
			3,3'-Dichlorobenzidine	< 680	UG/KG	U	680	1900	UG/KG
			3,3'-Dimethylbenzidine	< 340	UG/KG	U	340	93	UG/KG
			3-Chloroprene	< 5	UG/KG	U	5	5	UG/KG
			3-Methylcholanthrene	< 340	UG/KG	U	340		
			3-Methylphenol	< 340	UG/KG	U	340	2000000	UG/KG
			3-Nitroaniline	< 1700	UG/KG	U	1700	3300	UG/KG
			4, 4'-DDD	< 3.6	UG/KG	U	3.6	3500	UG/KG
			4, 4'-DDE	< 3.6	UG/KG	U	3.6	2500	UG/KG
			4, 4'-DDT	< 3.6	UG/KG	U	3.6	8	UG/KG
			4,6-Dinitro-2-methylphenol	< 1700	UG/KG	U	1700	3300	UG/KG
			4-Aminobiphenyl	< 340	UG/KG	U	340		
			4-Bromophenyl-phenylether	< 340	UG/KG	U	340	660	UG/KG
			4-Chloroaniline	< 680	UG/KG	U	680	160000	UG/KG
			4-Chlorophenyl-phenylether	< 340	UG/KG	U	340		UG/KG
			4-Choro-3-methylphenol	< 340	UG/KG	U	340		UG/KG
			4-Methyl-2-Pentanone	< 55	UG/KG	U	55	2000000	UG/KG
			4-Methylphenol	< 340	UG/KG	U	340	200000	UG/KG
			4-Nitroaniline	< 1700	UG/KG	U	1700		
			4-Nitrophenol	< 340	UG/KG	U	340	190	UG/KG
			4-Nitroquinoline 1-oxide	< 340	UG/KG	U	340		
			5-Nitro-o-toluidine	< 340	UG/KG	U	340		
			7,12-Dimethylbenz(a)anthracen	< 340	UG/KG	U	340		
			a,a,a-Diethylphenethylamine	< 340	UG/KG	U	340		UG/KG
			Acenaphthene	< 340	UG/KG	U	340	36000	UG/KG
			Acenaphthylene	< 340	UG/KG	U	340	660	UG/KG
			Acetone	5.6	UG/KG	JB	110	9200000	UG/KG
			Acetonitrile	< 5.5	UG/KG	U	5.5	230000	UG/KG
			Acetophenone	< 340	UG/KG	U	340	3900000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-016	8/22/95	Soil	Acrolein	< 1100	UG/KG	U	1100	780000	UG/KG
			Acrylonitrile	< 1100	UG/KG	U	1100	260	UG/KG
			Aldrin	< 1.8	UG/KG	U	1.8	50	UG/KG
			Allyl chloride	< 110	UG/KG	U	110	200000	UG/KG
			alpha-BHC	< 1.8	UG/KG	U	1.8	2.01	UG/KG
			Aniline	< 340	UG/KG	U	340	11000	UG/KG
			Anthracene	< 340	UG/KG	U	340	1900	UG/KG
			Antimony	< 2.4	MG/KG	U	2.4	31	MG/KG
			Aramite	< 340	UG/KG	U	340	34000	UG/KG
			Aroclor-1016	< 36	UG/KG	U	36	110	UG/KG
			Aroclor-1221	< 72	UG/KG	U	72	110	UG/KG
			Aroclor-1232	< 36	UG/KG	U	36	110	UG/KG
			Aroclor-1242	< 36	UG/KG	U	36	110	UG/KG
			Aroclor-1248	< 36	UG/KG	U	36	110	UG/KG
			Aroclor-1254	< 36	UG/KG	U	36	110	UG/KG
			Aroclor-1260	< 36	UG/KG	U	36	110	UG/KG
			Arsenic	< 1.2	MG/KG	U	1.2	0.97	MG/KG
			Barium	29.6	MG/KG		11.9	5500	MG/KG
			Benzene	< 5.5	UG/KG	U	5.5	2700	UG/KG
			Benzo[a]anthracene	< 340	UG/KG	U	340	660	UG/KG
			Benzo[a]pyrene	< 340	UG/KG	U	340	660	UG/KG
			Benzo[b]fluoranthene	< 340	UG/KG	U	340	660	UG/KG
			Benzo[g,h,i]perylene	< 340	UG/KG	U	340	660	UG/KG
			Benzo[k]fluoranthene	< 340	UG/KG	U	340	660	UG/KG
			Benzyl alcohol	< 680	UG/KG	U	680	12000000	UG/KG
			Beryllium	.56	MG/KG	B	0.24	0.4	MG/KG
			beta-BHC	< 1.8	UG/KG	U	1.8	4.02	UG/KG
			bis(2-Chloroethyl)ether	< 340	UG/KG	U	340	150	UG/KG
			bis(2-Chloroisopropyl)ether	< 340	UG/KG	U	340	12000	UG/KG
			bis(2-Choloethoxy)methane	< 340	UG/KG	U	340		UG/KG
			bis(2-Ethylhexyl)phthalate	< 340	UG/KG	U	340	61000	UG/KG
			Bromodichloromethane	< 5.5	UG/KG	U	5.5	2900	UG/KG
			Bromoform	< 5.5	UG/KG	U	5.5	110000	UG/KG
			Bromomethane	< 11	UG/KG	U	11	60000	UG/KG
			Butylbenzylphthalate	< 340	UG/KG	U	340	7800000	UG/KG
			Cadmium	< .48	MG/KG	U	0.48	39	MG/KG
			Carbon Disulfide	< 5.5	UG/KG	U	5.5	53000	UG/KG
			Carbon Tetrachloride	< 5.5	UG/KG	U	5.5	920	UG/KG
			Chlordane	< 36	UG/KG	U	36	660	UG/KG
			Chlorobenzene	< 5.5	UG/KG	U	5.5	300000	UG/KG
			Chlorobenzilate	< 72	UG/KG	U	72	3200	UG/KG
			Chloroethane	< 11	UG/KG	U	11	270000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-016	8/22/95	Soil	Chloroform	< 5.5	UG/KG	U	5.5	960	UG/KG
			Chloromethane	< 11	UG/KG	U	11	3700	UG/KG
			Chloroprene	< 5	UG/KG	UZ	5	5	UG/KG
			Chromium	16.3	MG/KG		1.2	940	MG/KG
			Chrysene	< 340	UG/KG	U	340	800	UG/KG
			cis-1,3-Dichloropropene	< 5.5	UG/KG	U	5.5	1000	UG/KG
			Cobalt	9.3	MG/KG		1.3	0.1	MG/KG
			Copper	13	MG/KG		3	2900	MG/KG
			Cyanide, Total	< 1.1	MG/KG	U	1.1	1600	MG/KG
			delta-BHC	< 1.8	UG/KG	U	1.8	6.03	UG/KG
			Di-n-butylphthalate	< 340	UG/KG	U	340	3900000	UG/KG
			Di-n-octylphthalate	< 340	UG/KG	U	340	780000	UG/KG
			Diallate	< 362	UG/KG	U	362	14000	UG/KG
			Dibenz[a,h]anthracene	< 340	UG/KG	U	340	120	UG/KG
			Dibenzofuran	< 340	UG/KG	U	340	660	UG/KG
			Dibromochloromethane	< 5.5	UG/KG	U	5.5	10000	UG/KG
			Dibromomethane	< 5.5	UG/KG	U	5.5	390000	UG/KG
			Dichlorodifluoromethane	< 5.5	UG/KG	U	5.5	380000	UG/KG
			Dieldrin	< 3.6	UG/KG	U	3.6	53	UG/KG
			Diethylphthalate	< 340	UG/KG	U	340	31000000	UG/KG
			Dimethoate	< 3.6	UG/KG	U	3.6	7800	UG/KG
			Dimethylphthalate	< 340	UG/KG	U	340	10000000	UG/KG
			Diphenylamine	< 340	UG/KG	U	340	980000	UG/KG
			Disulfoton	< 1.8	UG/KG	U	1.8	1600	UG/KG
			Endosulfan I	< 1.8	UG/KG	U	1.8	2000	UG/KG
			Endosulfan II	< 3.6	UG/KG	U	3.6	2000	UG/KG
			Endosulfan Sulfate	< 3.6	UG/KG	U	3.6	44.2	UG/KG
			Endrin	< 3.6	UG/KG	U	3.6	12000	UG/KG
			Endrin aldehyde	< 3.6	UG/KG	U	3.6	15.4	UG/KG
			Endrin Ketone	< 3.6	UG/KG	U	3.6		
			Ethyl methacrylate	< 5.5	UG/KG	U	5.5	38000	UG/KG
			Ethyl methanesulfonate	< 340	UG/KG	U	340		
			Ethyl Parathion	< 1.8	UG/KG	U	1.8	230000	UG/KG
			Ethylbenzene	< 5.5	UG/KG	U	5.5	58000	UG/KG
			Famphur	< 1.8	UG/KG	U	1.8	na	UG/KG
			Fluoranthene	< 340	UG/KG	U	340	1600000	UG/KG
			Fluorene	< 340	UG/KG	U	340	28000	UG/KG
			gamma-BHC (Lindane)	< 3.6	UG/KG	U	3.6	2.68	UG/KG
			Heptachlor	< 1.8	UG/KG	U	1.8	190	UG/KG
			Heptachlor epoxide	< 1.8	UG/KG	U	1.8	94	UG/KG
			Hexachlorethane	< 340	UG/KG	U	340	39000	UG/KG
			Hexachlorobenzene	< 340	UG/KG	U	340	530	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-016	8/22/95	Soil	Hexachlorobutadiene	< 340	UG/KG	U	340	11000	UG/KG
			Hexachlorocyclopentadiene	< 340	UG/KG	U	340	270000	UG/KG
			Hexachloropropene	< 340	UG/KG	U	340	na	UG/KG
			Indeno[1,2,3-cd]pyrene	< 340	UG/KG	U	340	1200	UG/KG
			Iodomethane	< 5.5	UG/KG	U	5.5	5	UG/KG
			Isobutyl Alcohol	< 1000	UG/KG	U	1000	na	UG/KG
			Isodrin	< 9	UG/KG	U	9	na	UG/KG
			Isophorone	< 340	UG/KG	U	340	900000	UG/KG
			Isosafrole	< 340	UG/KG	U	340		
			Kepone	< 36	UG/KG	U	36	47	UG/KG
			Lead	10.3	MG/KG		1.2	500	MG/KG
			Lithium	281	MG/KG		11.9		
			m + p-Xylene	< 5.5	UG/KG	U	5.5	99000	UG/KG
			Mercury	< .11	MG/KG	U	0.11	23	MG/KG
			Methacrylonitrile	< 5.5	UG/KG	U	5.5	56000	UG/KG
			Methapyrilene	< 340	UG/KG	U	340		
			Methoxychlor	< 18	UG/KG	U	18	200000	UG/KG
			Methyl methacrylate	< 5.5	UG/KG	U	5.5	3200000	UG/KG
			Methyl methanesulfonate	< 340	UG/KG	U	340		
			Methyl Parathion	< 1.8	UG/KG	U	1.8	20	UG/KG
			Methylene Chloride	9.3	UG/KG		5.5	3700	UG/KG
			N-Nitroso-di-n-propylamine	< 340	UG/KG	U	340	120	UG/KG
			N-Nitrosodibutylamine	< 340	UG/KG	U	340	160	UG/KG
			N-Nitrosodiethylamine	< 340	UG/KG	U	340	5.7	UG/KG
			n-Nitrosodiphenylamine	< 340	UG/KG	U	340	170000	UG/KG
			N-Nitrosomethylethylamine	< 340	UG/KG	U	340	39	UG/KG
			n-Nitrosomorpholine	< 340	UG/KG	U	340		
			N-Nitrosopiperidine	< 340	UG/KG	U	340		
			N-Nitrosopyrrolidine	< 340	UG/KG	U	340		
			Naphthalene	< 340	UG/KG	U	340	80000	UG/KG
			Nickel	48.4	MG/KG		1.8	1600	MG/KG
			Nitrobenzene	< 340	UG/KG	U	340	20000	UG/KG
			o,o,o-Triethyl phosphorothioate	< 340	UG/KG	U	340		
			o-Toluidine	< 340	UG/KG	U	340		
			o-Xylene	< 5.5	UG/KG	U	5.5	99000	UG/KG
			OCDD	< .353	UG/KG	U	0.353		
			OCDF	< .307	UG/KG	U	0.307		
			p-Dimethylaminoazobenzene	< 340	UG/KG	U	340		
			p-Phenylenediamine	< 340	UG/KG	U	340	7400000	UG/KG
			Pentachlorobenzene	< 340	UG/KG	U	340	31000	UG/KG
			Pentachloroethane	< 5.5	UG/KG	U	5.5	10	UG/KG
			Pentachloronitrobenzene	< 3.6	UG/KG	U	3.6	3300	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-016	8/22/95	Soil	Pentachlorophenol	< 1700	UG/KG	U	1700	7100	UG/KG
			Phenacetin	< 340	UG/KG	U	340	na	UG/KG
			Phenanthrene	< 340	UG/KG	U	340	660	UG/KG
			Phenol	< 340	UG/KG	U	340	23000000	UG/KG
			Phorate	< 1.8	UG/KG	U	1.8	7800	UG/KG
			Pronamide	< 1.8	UG/KG	U	1.8	2900000	UG/KG
			Propionitrile	< 5.5	UG/KG	U	5.5	100	UG/KG
			Pyrene	< 340	UG/KG	U	340	1200000	UG/KG
			Pyridine	< 340	UG/KG	U	340	3900	UG/KG
			Safrole	< 340	UG/KG	U	340	na	UG/KG
			Selenium	< .59	MG/KG	U	0.59	390	MG/KG
			Silver	< .95	MG/KG	U	0.95	390	MG/KG
			SILVEX	< 28	UG/KG	U	28	110	UG/KG
			Styrene	< 5.5	UG/KG	U	5.5	13000000	UG/KG
			Sulfide, Total	< 44	MG/KG	U	1.1		MG/KG
			sym-Trinitrobenzene	< 340	UG/KG	U	340	2000	UG/KG
			Tetrachloroethene	< 5.5	UG/KG	U	5.5	22000	UG/KG
			Tetraethyl dithiopyrophosphate	< 182	UG/KG	U	182	20000	UG/KG
			Thallium	< 1.2	MG/KG	U	1.2		MG/KG
			Thionazin	< 340	UG/KG	U	340	nl	UG/KG
			Tin	< 29.7	MG/KG	U	29.7	47000	MG/KG
			Toluene	< 5.5	UG/KG	U	5.5	280000	UG/KG
			TOTAL HpCDD	< .648	UG/KG	U	0.648		
			TOTAL HpCDF	< .159	UG/KG	U	0.159		
			TOTAL HxCDD	< .25	UG/KG	U	0.25		
			TOTAL HxCDF	< .387	UG/KG	U	0.387		
			TOTAL PeCDD	< .478	UG/KG	U	0.478		
			TOTAL PeCDF	< .557	UG/KG	U	0.557		
			TOTAL TCDD	< .0455	UG/KG	U	0.0455		
			TOTAL TCDF	< .0569	UG/KG	U	0.0569		
			Toxaphene	< 180	UG/KG	U	180	770	UG/KG
			trans-1,2-Dichloroethene	< 5.5	UG/KG	U	5.5	620000	UG/KG
			trans-1,3-Dichloropropene	< 5.5	UG/KG	U	5.5	1000	UG/KG
			trans-1,4-Dichloro-2-butene	< 5.5	UG/KG	U	5.5	15	UG/KG
			Trichloroethene	< 5.5	UG/KG	U	5.5	14000	UG/KG
			Trichlorofluoromethane	< 5.5	UG/KG	U	5.5	410000	UG/KG
			Vanadium	12.2	MG/KG		1.9	550	MG/KG
			Vinyl Acetate	< 5.5	UG/KG	U	5.5	39000000	UG/KG
			Vinyl Chloride	< 11	UG/KG	U	11	9.7	UG/KG
			Zinc	75.1	MG/KG		2.4	23000	MG/KG
NSWC-14/00-017			1,1,1,2-Tetrachloroethane	< 5.6	UG/KG	U	5.6	10000	UG/KG
			1,1,1-Trichloroethane	< 5.6	UG/KG	U	5.6	300000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-017	8/22/95	Soil	1,1,2,2-Tetrachloroethane	< 5.6	UG/KG	U	5.6	2100	UG/KG
			1,1,2-Trichloroethane	< 5.6	UG/KG	U	5.6	2900	UG/KG
			1,1-Dichloroethane	< 5.6	UG/KG	U	5.6	400000	UG/KG
			1,1-Dichloroethene	< 5.6	UG/KG	U	5.6	70	UG/KG
			1,2,3-Trichloropropane	< 5.6	UG/KG	U	5.6	310000	UG/KG
			1,2,4,5-Tetrachlorobenzene	< 380	UG/KG	U	380	12000	UG/KG
			1,2,4-Trichlorobenzene	< 380	UG/KG	U	380	93000	UG/KG
			1,2-Dibromo-3-chloropropane	< 5.6	UG/KG	U	5.6	610	UG/KG
			1,2-Dibromoethane (EDB)	< 5.6	UG/KG	U	5.6	19	UG/KG
			1,2-Dichlorobenzene	< 380	UG/KG	U	380	230000	UG/KG
			1,2-Dichloroethane	< 5.6	UG/KG	U	5.6	840	UG/KG
			1,2-Dichloropropane	< 5.6	UG/KG	U	5.6	1300	UG/KG
			1,3-Dichlorobenzene	< 380	UG/KG	U	380	280000	UG/KG
			1,3-Dinitrobenzene	< 380	UG/KG	U	380	3900	UG/KG
			1,4-Dichlorobenzene	< 380	UG/KG	U	380	17000	UG/KG
			1,4-Dioxane	< 1000	UG/KG	U	1000	32000	UG/KG
			1,4-Naphthoquinone	< 380	UG/KG	U	380		
			1-Naphthylamine	< 380	UG/KG	U	380		
			1234678-HpCDD	< .631	UG/KG	U	0.631		
			1234678-HpCDF	< .0715	UG/KG	U	0.0715		
			123478-HxCDD	< .42	UG/KG	U	0.42		
			123478-HxCDF	< .542	UG/KG	U	0.542		
			1234789-HpCDF	< .155	UG/KG	U	0.155		
			123678-HxCDD	< .254	UG/KG	U	0.254		
			123678-HxCDF	< .321	UG/KG	U	0.321		
			12378-PeCDD	< .465	UG/KG	U	0.465		
			12378-PeCDF	< .432	UG/KG	U	0.432		
			123789-HxCDD	< .243	UG/KG	U	0.243		
			123789-HxCDF	< .376	UG/KG	U	0.376		
			2,3,4,6-Tetrachlorophenol	< 380	UG/KG	U	380	1200000	UG/KG
			2,4,5-T	< 28	UG/KG	U	28	390000	UG/KG
			2,4,5-Trichlorophenol	< 380	UG/KG	U	380	930	UG/KG
			2,4,6-Trichlorophenol	< 380	UG/KG	U	380	77000	UG/KG
			2,4-D	< 28	UG/KG	U	28	390000	UG/KG
			2,4-Dichlorophenol	< 380	UG/KG	U	380	120000	UG/KG
			2,4-Dimethylphenol	< 380	UG/KG	U	380	780000	UG/KG
			2,4-Dinitrophenol	< 1900	UG/KG	U	1900	78000	UG/KG
			2,4-Dinitrotoluene	< 380	UG/KG	U	380	78000	UG/KG
			2,6-Dichlorophenol	< 380	UG/KG	U	380		
			2,6-Dinitrotoluene	< 380	UG/KG	U	380	1300	UG/KG
			2-Acetylaminofluorene	< 380	UG/KG	U	380		
			2-Butanone	< 110	UG/KG	U	110	5200000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-017	8/22/95	Soil	2-Chloronaphthalene	< 380	UG/KG	U	380	3100000	UG/KG
			2-Chlorophenol	< 380	UG/KG	U	380	200000	UG/KG
			2-Hexanone	< 56	UG/KG	U	56	50	UG/KG
			2-Methylnapythalene	< 380	UG/KG	U	380	660	UG/KG
			2-Methylphenol	< 380	UG/KG	U	380	2000000	UG/KG
			2-Naphthylamine	< 380	UG/KG	U	380		
			2-Nitroaniline	< 1900	UG/KG	U	1900	2300	UG/KG
			2-Nitrophenol	< 380	UG/KG	U	380	300	UG/KG
			2-Picoline	< 380	UG/KG	U	380		
			234678-HxCDF	< .443	UG/KG	U	0.443		
			23478-PeCDF	< .542	UG/KG	U	0.542		
			2378-TCDD	< .0443	UG/KG	U	0.0443	0.0057	UG/KG
			2378-TCDF	< .0553	UG/KG	U	0.0553	na	UG/KG
			3,3'-Dichlorobenzidine	< 750	UG/KG	U	750	1900	UG/KG
			3,3'-Dimethylbenzidine	< 380	UG/KG	U	380	93	UG/KG
			3-Chloroprene	< 5	UG/KG	U	5	5	UG/KG
			3-Methylcholanthrene	< 380	UG/KG	U	380		
			3-Methylphenol	< 380	UG/KG	U	380	2000000	UG/KG
			3-Nitroaniline	< 1900	UG/KG	U	1900	3300	UG/KG
			4, 4'-DDD	< 3.7	UG/KG	U	3.7	3500	UG/KG
			4, 4'-DDE	< 3.7	UG/KG	U	3.7	2500	UG/KG
			4, 4'-DDT	< 3.7	UG/KG	U	3.7	8	UG/KG
			4,6-Dinitro-2-methylphenol	< 1900	UG/KG	U	1900	3300	UG/KG
			4-Aminobiphenyl	< 380	UG/KG	U	380		
			4-Bromophenyl-phenylether	< 380	UG/KG	U	380	660	UG/KG
			4-Chloroaniline	< 750	UG/KG	U	750	160000	UG/KG
			4-Chlorophenyl-phenylether	< 380	UG/KG	U	380		UG/KG
			4-Choro-3-methylphenol	< 380	UG/KG	U	380		UG/KG
			4-Methyl-2-Pentanone	< 56	UG/KG	U	56	2000000	UG/KG
			4-Methylphenol	< 380	UG/KG	U	380	200000	UG/KG
			4-Nitroaniline	< 1900	UG/KG	U	1900		
			4-Nitrophenol	< 380	UG/KG	U	380	190	UG/KG
			4-Nitroquinoline 1-oxide	< 380	UG/KG	U	380		
			5-Nitro-o-toluidine	< 380	UG/KG	U	380		
			7,12-Dimethylbenz(a)anthracen	< 380	UG/KG	U	380		
			a,a,a-Diethylphenethylamine	< 380	UG/KG	U	380		UG/KG
			Acenaphthene	< 380	UG/KG	U	380	36000	UG/KG
			Acenaphthylene	< 380	UG/KG	U	380	660	UG/KG
			Acetone	4.4	UG/KG	JB	110	9200000	UG/KG
			Acetonitrile	< 5.6	UG/KG	U	5.6	230000	UG/KG
			Acetophenone	< 380	UG/KG	U	380	3900000	UG/KG
			Acrolein	< 1100	UG/KG	U	1100	780000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-017	8/22/95	Soil	Acrylonitrile	< 1100	UG/KG	U	1100	260	UG/KG
			Aldrin	< 1.9	UG/KG	U	1.9	50	UG/KG
			Allyl chloride	< 110	UG/KG	U	110	200000	UG/KG
			alpha-BHC	< 1.9	UG/KG	U	1.9	2.01	UG/KG
			Aniline	< 380	UG/KG	U	380	11000	UG/KG
			Anthracene	< 380	UG/KG	U	380	1900	UG/KG
			Antimony	< 2.4	MG/KG	U	2.4	31	MG/KG
			Aramite	< 380	UG/KG	U	380	34000	UG/KG
			Aroclor-1016	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1221	< 75	UG/KG	U	75	110	UG/KG
			Aroclor-1232	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1242	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1248	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1254	< 37	UG/KG	U	37	110	UG/KG
			Aroclor-1260	< 37	UG/KG	U	37	110	UG/KG
			Arsenic	4.3	MG/KG		1.2	0.97	MG/KG
			Barium	122	MG/KG		11.8	5500	MG/KG
			Benzene	< 5.6	UG/KG	U	5.6	2700	UG/KG
			Benzo[a]anthracene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[a]pyrene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[b]fluoranthene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[g,h,i]perylene	< 380	UG/KG	U	380	660	UG/KG
			Benzo[k]fluoranthene	< 380	UG/KG	U	380	660	UG/KG
			Benzyl alcohol	< 750	UG/KG	U	750	12000000	UG/KG
			Beryllium	.93	MG/KG		0.24	0.4	MG/KG
			beta-BHC	< 1.9	UG/KG	U	1.9	4.02	UG/KG
			bis(2-Chloroethyl)ether	< 380	UG/KG	U	380	150	UG/KG
			bis(2-Chloroisopropyl)ether	< 380	UG/KG	U	380	12000	UG/KG
			bis(2-Choloethoxy)methane	< 380	UG/KG	U	380		UG/KG
			bis(2-Ethylhexyl)phthalate	< 380	UG/KG	U	380	61000	UG/KG
			Bromodichloromethane	< 5.6	UG/KG	U	5.6	2900	UG/KG
			Bromoform	< 5.6	UG/KG	U	5.6	110000	UG/KG
			Bromomethane	< 11	UG/KG	U	11	60000	UG/KG
			Butylbenzylphthalate	< 380	UG/KG	U	380	7800000	UG/KG
			Cadmium	< .47	MG/KG	U	0.47	39	MG/KG
			Carbon Disulfide	< 5.6	UG/KG	U	5.6	53000	UG/KG
			Carbon Tetrachloride	< 5.6	UG/KG	U	5.6	920	UG/KG
			Chlordane	< 37	UG/KG	U	37	660	UG/KG
			Chlorobenzene	< 5.6	UG/KG	U	5.6	300000	UG/KG
			Chlorobenzilate	< 75	UG/KG	U	75	3200	UG/KG
			Chloroethane	< 11	UG/KG	U	11	270000	UG/KG
			Chloroform	< 5.6	UG/KG	U	5.6	960	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-017	8/22/95	Soil	Chloromethane	< 11	UG/KG	U	11	3700	UG/KG
			Chloroprene	< 5	UG/KG	UZ	5	5	UG/KG
			Chromium	25.8	MG/KG		1.2	940	MG/KG
			Chrysene	< 380	UG/KG	U	380	800	UG/KG
			cis-1,3-Dichloropropene	< 5.6	UG/KG	U	5.6	1000	UG/KG
			Cobalt	12.6	MG/KG		1.3	0.1	MG/KG
			Copper	16	MG/KG		3	2900	MG/KG
			Cyanide, Total	< 1.1	MG/KG	U	1.1	1600	MG/KG
			delta-BHC	< 1.9	UG/KG	U	1.9	6.03	UG/KG
			Di-n-butylphthalate	< 380	UG/KG	U	380	3900000	UG/KG
			Di-n-octylphthalate	< 380	UG/KG	U	380	780000	UG/KG
			Diallate	< 375	UG/KG	U	375	14000	UG/KG
			Dibenz[a,h]anthracene	< 380	UG/KG	U	380	120	UG/KG
			Dibenzofuran	< 380	UG/KG	U	380	660	UG/KG
			Dibromochloromethane	< 5.6	UG/KG	U	5.6	10000	UG/KG
			Dibromomethane	< 5.6	UG/KG	U	5.6	390000	UG/KG
			Dichlorodifluoromethane	< 5.6	UG/KG	U	5.6	380000	UG/KG
			Dieldrin	< 3.7	UG/KG	U	3.7	53	UG/KG
			Diethylphthalate	< 380	UG/KG	U	380	31000000	UG/KG
			Dimethoate	< 3.7	UG/KG	U	3.7	7800	UG/KG
			Dimethylphthalate	< 380	UG/KG	U	380	10000000	UG/KG
			Diphenylamine	< 380	UG/KG	U	380	980000	UG/KG
			Disulfoton	< 1.8	UG/KG	U	1.8	1600	UG/KG
			Endosulfan I	< 1.9	UG/KG	U	1.9	2000	UG/KG
			Endosulfan II	< 3.7	UG/KG	U	3.7	2000	UG/KG
			Endosulfan Sulfate	< 3.7	UG/KG	U	3.7	44.2	UG/KG
			Endrin	< 3.7	UG/KG	U	3.7	12000	UG/KG
			Endrin aldehyde	< 3.7	UG/KG	U	3.7	15.4	UG/KG
			Endrin Ketone	< 3.7	UG/KG	U	3.7		
			Ethyl methacrylate	< 5.6	UG/KG	U	5.6	38000	UG/KG
			Ethyl methanesulfonate	< 380	UG/KG	U	380		
			Ethyl Parathion	< 1.8	UG/KG	U	1.8	230000	UG/KG
			Ethylbenzene	< 5.6	UG/KG	U	5.6	58000	UG/KG
			Famphur	< 1.8	UG/KG	U	1.8	na	UG/KG
			Fluoranthene	< 380	UG/KG	U	380	1600000	UG/KG
			Fluorene	< 380	UG/KG	U	380	28000	UG/KG
			gamma-BHC (Lindane)	< 3.7	UG/KG	U	3.7	2.68	UG/KG
			Heptachlor	< 1.9	UG/KG	U	1.9	190	UG/KG
			Heptachlor epoxide	< 1.9	UG/KG	U	1.9	94	UG/KG
			Hexachlorethane	< 380	UG/KG	U	380	39000	UG/KG
			Hexachlorobenzene	< 380	UG/KG	U	380	530	UG/KG
			Hexachlorobutadiene	< 380	UG/KG	U	380	11000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-017	8/22/95	Soil	Hexachlorocyclopentadiene	< 380	UG/KG	U	380	270000	UG/KG
			Hexachloropropene	< 380	UG/KG	U	380	na	UG/KG
			Indeno[1,2,3-cd]pyrene	< 380	UG/KG	U	380	1200	UG/KG
			Iodomethane	< 5.6	UG/KG	U	5.6	5	UG/KG
			Isobutyl Alcohol	< 1000	UG/KG	U	1000	na	UG/KG
			Isodrin	< 9.4	UG/KG	U	9.4	na	UG/KG
			Isophorone	< 380	UG/KG	U	380	900000	UG/KG
			Isosafrole	< 380	UG/KG	U	380		
			Kepone	< 37	UG/KG	U	37	47	UG/KG
			Lead	12.1	MG/KG		1.2	500	MG/KG
			Lithium	346	MG/KG		11.8		
			m + p-Xylene	< 5.6	UG/KG	U	5.6	99000	UG/KG
			Mercury	< .11	MG/KG	U	0.11	23	MG/KG
			Methacrylonitrile	< 5.6	UG/KG	U	5.6	56000	UG/KG
			Methapyrilene	< 380	UG/KG	U	380		
			Methoxychlor	< 19	UG/KG	U	19	200000	UG/KG
			Methyl methacrylate	< 5.6	UG/KG	U	5.6	3200000	UG/KG
			Methyl methanesulfonate	< 380	UG/KG	U	380		
			Methyl Parathion	< 1.8	UG/KG	U	1.8	20	UG/KG
			Methylene Chloride	8.7	UG/KG		5.6	3700	UG/KG
			N-Nitroso-di-n-propylamine	< 380	UG/KG	U	380	120	UG/KG
			N-Nitrosodibutylamine	< 380	UG/KG	U	380	160	UG/KG
			N-Nitrosodiethylamine	< 380	UG/KG	U	380	5.7	UG/KG
			n-Nitrosodiphenylamine	< 380	UG/KG	U	380	170000	UG/KG
			N-Nitrosomethylethylamine	< 380	UG/KG	U	380	39	UG/KG
			n-Nitrosomorpholine	< 380	UG/KG	U	380		
			N-Nitrosopiperidine	< 380	UG/KG	U	380		
			N-Nitrosopyrrolidine	< 380	UG/KG	U	380		
			Naphthalene	< 380	UG/KG	U	380	80000	UG/KG
			Nickel	77.1	MG/KG		1.8	1600	MG/KG
			Nitrobenzene	< 380	UG/KG	U	380	20000	UG/KG
			o,o,o-Triethyl phosphorothioate	< 380	UG/KG	U	380		
			o-Toluidine	< 380	UG/KG	U	380		
			o-Xylene	< 5.6	UG/KG	U	5.6	99000	UG/KG
			OCDD	< .343	UG/KG	U	0.343		
			OCDF	< .299	UG/KG	U	0.299		
			p-Dimethylaminoazobenzene	< 380	UG/KG	U	380		
			p-Phenylenediamine	< 380	UG/KG	U	380	7400000	UG/KG
			Pentachlorobenzene	< 380	UG/KG	U	380	31000	UG/KG
			Pentachloroethane	< 5.6	UG/KG	U	5.6	10	UG/KG
			Pentachloronitrobenzene	< 3.7	UG/KG	U	3.7	3300	UG/KG
			Pentachlorophenol	< 1900	UG/KG	U	1900	7100	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-017	8/22/95	Soil	Phenacetin	< 380	UG/KG	U	380	na	UG/KG
			Phenanthrene	< 380	UG/KG	U	380	660	UG/KG
			Phenol	< 380	UG/KG	U	380	23000000	UG/KG
			Phorate	< 1.8	UG/KG	U	1.8	7800	UG/KG
			Pronamide	< 1.8	UG/KG	U	1.8	2900000	UG/KG
			Propionitrile	< 5.6	UG/KG	U	5.6	100	UG/KG
			Pyrene	< 380	UG/KG	U	380	1200000	UG/KG
			Pyridine	< 380	UG/KG	U	380	3900	UG/KG
			Safrole	< 380	UG/KG	U	380	na	UG/KG
			Selenium	< .59	MG/KG	U	0.59	390	MG/KG
			Silver	< .95	MG/KG	U	0.95	390	MG/KG
			SILVEX	< 28	UG/KG	U	28	110	UG/KG
			Styrene	< 5.6	UG/KG	U	5.6	13000000	UG/KG
			Sulfide, Total	< 45	MG/KG	U	1.1		MG/KG
			sym-Trinitrobenzene	< 380	UG/KG	U	380	2000	UG/KG
			Tetrachloroethene	< 5.6	UG/KG	U	5.6	22000	UG/KG
			Tetraethyl dithiopyrophosphate	< 183	UG/KG	U	183	20000	UG/KG
			Thallium	< 1.2	MG/KG	U	1.2		MG/KG
			Thionazin	< 380	UG/KG	U	380	nl	UG/KG
			Tin	< 29.6	MG/KG	U	29.6	47000	MG/KG
			Toluene	< 5.6	UG/KG	U	5.6	280000	UG/KG
			TOTAL HpCDD	< .631	UG/KG	U	0.631		
			TOTAL HpCDF	< .155	UG/KG	U	0.155		
			TOTAL HxCDD	< .243	UG/KG	U	0.243		
			TOTAL HxCDF	< .376	UG/KG	U	0.376		
			TOTAL PeCDD	< .465	UG/KG	U	0.465		
			TOTAL PeCDF	< .542	UG/KG	U	0.542		
			TOTAL TCDD	< .0443	UG/KG	U	0.0443		
			TOTAL TCDF	< .0553	UG/KG	U	0.0553		
			Toxaphene	< 190	UG/KG	U	190	770	UG/KG
			trans-1,2-Dichloroethene	< 5.6	UG/KG	U	5.6	620000	UG/KG
			trans-1,3-Dichloropropene	< 5.6	UG/KG	U	5.6	1000	UG/KG
			trans-1,4-Dichloro-2-butene	< 5.6	UG/KG	U	5.6	15	UG/KG
			Trichloroethene	< 5.6	UG/KG	U	5.6	14000	UG/KG
			Trichlorofluoromethane	< 5.6	UG/KG	U	5.6	410000	UG/KG
			Vanadium	13	MG/KG		1.9	550	MG/KG
			Vinyl Acetate	< 5.6	UG/KG	U	5.6	39000000	UG/KG
			Vinyl Chloride	< 11	UG/KG	U	11	9.7	UG/KG
			Zinc	111	MG/KG		2.4	23000	MG/KG
NSWC-14/00-19	8/16/96		Antimony	297	UG/KG	BN	2800	31000	UG/KG
			Arsenic	3510	UG/KG		2900	970	UG/KG
			Barium	70600	UG/KG		250	5500000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-19	8/16/96	Soil	Beryllium	1010	UG/KG		119	400	UG/KG
			Cadmium	442	UG/KG	B	380	39000	UG/KG
			Chromium	18400	UG/KG		2000	940000	UG/KG
			Cobalt	13600	UG/KG		630	100	UG/KG
			Copper	20700	UG/KG		2300	2900000	UG/KG
			Lead	13200	UG/KG	E	1600	500000	UG/KG
			Lithium	36000	UG/KG		2300		
			Mercury	< 126	UG/KG	U	126	23000	UG/KG
			Nickel	33200	UG/KG	E	2000	1600000	UG/KG
			Selenium	< 377	UG/KG	UN	377	390000	UG/KG
			Silver	< 75.4	UG/KG	U	75.4	390000	UG/KG
			Thallium	< 389	UG/KG	U	389	na	UG/KG
			Tin	2710	UG/KG	BN	5900	47000000	UG/KG
			Vanadium	22300	UG/KG		750	550000	UG/KG
			Zinc	80500	UG/KG		1500	23000000	UG/KG
NSWC-14/00-20			Antimony	< 251	UG/KG	UN	251	31000	UG/KG
			Arsenic	1980	UG/KG		2600	970	UG/KG
			Barium	113000	UG/KG		230	5500000	UG/KG
			Beryllium	916	UG/KG		110	400	UG/KG
			Cadmium	218	UG/KG	B	340	39000	UG/KG
			Chromium	19500	UG/KG		1800	940000	UG/KG
			Cobalt	7690	UG/KG		570	100	UG/KG
			Copper	15800	UG/KG		2000	2900000	UG/KG
			Lead	7350	UG/KG	E	1500	500000	UG/KG
			Lithium	18600	UG/KG		2000		
			Mercury	< 114	UG/KG	U	114	23000	UG/KG
			Nickel	19000	UG/KG	E	1800	1600000	UG/KG
			Selenium	< 343	UG/KG	UN	343	390000	UG/KG
			Silver	< 68.6	UG/KG	U	68.6	390000	UG/KG
			Thallium	407	UG/KG	B	3500	na	UG/KG
			Tin	1950	UG/KG	BN	5400	47000000	UG/KG
			Vanadium	25100	UG/KG		680	550000	UG/KG
			Zinc	47900	UG/KG		1400	23000000	UG/KG
NSWC-14/00-21			Antimony	< 247	UG/KG	UN	247	31000	UG/KG
			Arsenic	1080	UG/KG	B	2600	970	UG/KG
			Barium	44500	UG/KG		220	5500000	UG/KG
			Beryllium	1230	UG/KG		110	400	UG/KG
			Cadmium	267	UG/KG	B	340	39000	UG/KG
			Chromium	23600	UG/KG		1800	940000	UG/KG
			Cobalt	11900	UG/KG		560	100	UG/KG
			Copper	17100	UG/KG		2000	2900000	UG/KG
			Lead	11200	UG/KG	E	1400	500000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-21	8/16/96	Soil	Lithium	81600	UG/KG		2000		
			Mercury	113	UG/KG		220	23000	UG/KG
			Nickel	34200	UG/KG	E	1800	1600000	UG/KG
			Selenium	< 336	UG/KG	UN	336	390000	UG/KG
			Silver	< 67.3	UG/KG	U	67.3	390000	UG/KG
			Thallium	396	UG/KG	B	3500	na	UG/KG
			Tin	1800	UG/KG	BN	5300	47000000	UG/KG
			Vanadium	19900	UG/KG		670	550000	UG/KG
			Zinc	59100	UG/KG		1300	23000000	UG/KG
NSWC-14/00-22			Antimony	252	UG/KG	BN	2400	31000	UG/KG
			Arsenic	1290	UG/KG		2500	970	UG/KG
			Barium	72900	UG/KG		220	5500000	UG/KG
			Beryllium	1110	UG/KG		110	400	UG/KG
			Cadmium	356	UG/KG	B	320	39000	UG/KG
			Chromium	19700	UG/KG		1700	940000	UG/KG
			Cobalt	16700	UG/KG		540	100	UG/KG
			Copper	19500	UG/KG		2000	2900000	UG/KG
			Lead	13100	UG/KG	E	1400	500000	UG/KG
			Lithium	77600	UG/KG		2000		
			Mercury	< 108	UG/KG	U	108	23000	UG/KG
			Nickel	41100	UG/KG	E	1700	1600000	UG/KG
			Selenium	< 325	UG/KG	UN	325	390000	UG/KG
			Silver	< 65.1	UG/KG	U	65.1	390000	UG/KG
			Thallium	< 336	UG/KG	U	336	na	UG/KG
			Tin	2020	UG/KG	BN	5100	47000000	UG/KG
			Vanadium	17500	UG/KG		650	550000	UG/KG
			Zinc	67200	UG/KG		1300	23000000	UG/KG
NSWC-14/00-23			Antimony	< 251	UG/KG	UN	251	31000	UG/KG
			Arsenic	3340	UG/KG		2600	970	UG/KG
			Barium	172000	UG/KG		230	5500000	UG/KG
			Beryllium	1070	UG/KG		110	400	UG/KG
			Cadmium	121	UG/KG	B	340	39000	UG/KG
			Chromium	1040000	UG/KG		1800	940000	UG/KG
			Cobalt	73300	UG/KG		570	100	UG/KG
			Copper	22100	UG/KG		2000	2900000	UG/KG
			Lead	12400	UG/KG	E	1500	500000	UG/KG
			Lithium	362000	UG/KG		2000		
			Mercury	< 114	UG/KG	U	114	23000	UG/KG
			Nickel	7890000	UG/KG	E	1800	1600000	UG/KG
			Selenium	< 342	UG/KG	UN	342	390000	UG/KG
			Silver	< 68.3	UG/KG	U	68.3	390000	UG/KG
			Thallium	407	UG/KG	B	3500	na	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-23	8/16/96	Soil	Tin	1170	UG/KG	BN	5400	47000000	UG/KG
			Vanadium	30900	UG/KG		680	550000	UG/KG
			Zinc	92000	UG/KG		1400	23000000	UG/KG
NSWC-14/00-24			Antimony	452	UG/KG	BN	2500	31000	UG/KG
			Arsenic	6110	UG/KG		2600	970	UG/KG
			Barium	97200	UG/KG		230	5500000	UG/KG
			Beryllium	815	UG/KG		120	400	UG/KG
			Cadmium	237	UG/KG	B	340	39000	UG/KG
			Chromium	29500	UG/KG		1800	940000	UG/KG
			Cobalt	13000	UG/KG		580	100	UG/KG
			Copper	15000	UG/KG		2100	2900000	UG/KG
			Lead	12900	UG/KG	E	1500	500000	UG/KG
			Lithium	93500	UG/KG		2100		
			Mercury	< 115	UG/KG	U	115	23000	UG/KG
			Nickel	55600	UG/KG	E	1800	1600000	UG/KG
			Selenium	< 345	UG/KG	UN	345	390000	UG/KG
			Silver	< 69	UG/KG	U	69	390000	UG/KG
			Thallium	< 357	UG/KG	U	357	na	UG/KG
			Tin	2690	UG/KG	BN	5400	47000000	UG/KG
			Vanadium	30800	UG/KG		690	550000	UG/KG
			Zinc	46700	UG/KG		1400	23000000	UG/KG
NSWC-14/00-25			Antimony	< 260	UG/KG	UN	260	31000	UG/KG
			Arsenic	2640	UG/KG		2700	970	UG/KG
			Barium	69800	UG/KG		240	5500000	UG/KG
			Beryllium	992	UG/KG		120	400	UG/KG
			Cadmium	232	UG/KG	B	350	39000	UG/KG
			Chromium	17800	UG/KG		1900	940000	UG/KG
			Cobalt	13100	UG/KG		590	100	UG/KG
			Copper	19900	UG/KG		2100	2900000	UG/KG
			Lead	13900	UG/KG	E	1500	500000	UG/KG
			Lithium	38100	UG/KG		2100		
			Mercury	< 118	UG/KG	U	118	23000	UG/KG
			Nickel	75900	UG/KG	E	1900	1600000	UG/KG
			Selenium	< 354	UG/KG	UN	354	390000	UG/KG
			Silver	< 70.8	UG/KG	U	70.8	390000	UG/KG
			Thallium	< 366	UG/KG	U	366	na	UG/KG
			Tin	2400	UG/KG	BN	5500	47000000	UG/KG
			Vanadium	20200	UG/KG		710	550000	UG/KG
			Zinc	84700	UG/KG		1400	23000000	UG/KG
NSWC-14/00-26			Antimony	749	UG/KG	BN	2500	31000	UG/KG
			Arsenic	1970	UG/KG		2600	970	UG/KG
			Barium	80200	UG/KG		220	5500000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-26	8/16/96	Soil	Beryllium	1020	UG/KG		110	400	UG/KG
			Cadmium	189	UG/KG	B	340	39000	UG/KG
			Chromium	96700	UG/KG		1800	940000	UG/KG
			Cobalt	23900	UG/KG		560	100	UG/KG
			Copper	24600	UG/KG		2000	2900000	UG/KG
			Lead	16100	UG/KG	E	1500	500000	UG/KG
			Lithium	238000	UG/KG		2000		
			Mercury	< 113	UG/KG	U	113	23000	UG/KG
			Nickel	124000	UG/KG	E	1800	1600000	UG/KG
			Selenium	< 338	UG/KG	UN	338	390000	UG/KG
			Silver	< 67.6	UG/KG	U	67.6	390000	UG/KG
			Thallium	559	UG/KG	B	3500	na	UG/KG
			Tin	1810	UG/KG	BN	5300	47000000	UG/KG
			Vanadium	21300	UG/KG		680	550000	UG/KG
			Zinc	84400	UG/KG		1400	23000000	UG/KG
NSWC-14/00-27			Antimony	1020	UG/KG	BN	2700	31000	UG/KG
			Arsenic	7340	UG/KG		2800	970	UG/KG
			Barium	60700	UG/KG		240	5500000	UG/KG
			Beryllium	985	UG/KG		120	400	UG/KG
			Cadmium	123	UG/KG	B	370	39000	UG/KG
			Chromium	172000	UG/KG		2000	940000	UG/KG
			Cobalt	12500	UG/KG		610	100	UG/KG
			Copper	21000	UG/KG		2200	2900000	UG/KG
			Lead	15500	UG/KG	E	1600	500000	UG/KG
			Lithium	139000	UG/KG		2200		
			Mercury	< 123	UG/KG	U	123	23000	UG/KG
			Nickel	165000	UG/KG	E	2000	1600000	UG/KG
			Selenium	< 368	UG/KG	UN	368	390000	UG/KG
			Silver	< 73.6	UG/KG	U	73.6	390000	UG/KG
			Thallium	< 380	UG/KG	U	380	na	UG/KG
			Tin	2940	UG/KG	BN	5800	47000000	UG/KG
			Vanadium	33000	UG/KG		740	550000	UG/KG
			Zinc	64500	UG/KG		1500	23000000	UG/KG
NSWC-14/00-28			Antimony	662	UG/KG	BN	2600	31000	UG/KG
			Arsenic	1910	UG/KG		2800	970	UG/KG
			Barium	92000	UG/KG		240	5500000	UG/KG
			Beryllium	1080	UG/KG		120	400	UG/KG
			Cadmium	160	UG/KG	B	360	39000	UG/KG
			Chromium	68800	UG/KG		1900	940000	UG/KG
			Cobalt	21600	UG/KG		600	100	UG/KG
			Copper	24500	UG/KG		2200	2900000	UG/KG
			Lead	19900	UG/KG	E	1600	500000	UG/KG

Sample ID	Sample Date	Matrix	Compound	Result	Units	Data Qualifier	Reporting Limit	Cleanup Level	
NSWC-14/00-28	8/16/96	Soil	Lithium	67700	UG/KG		2200		
			Mercury	< 121	UG/KG	U	121	23000	UG/KG
			Nickel	81100	UG/KG	E	1900	1600000	UG/KG
			Selenium	< 362	UG/KG	UN	362	390000	UG/KG
			Silver	< 72.5	UG/KG	U	72.5	390000	UG/KG
			Thallium	< 374	UG/KG	U	374	na	UG/KG
			Tin	2180	UG/KG	BN	5700	47000000	UG/KG
			Vanadium	20000	UG/KG		720	550000	UG/KG
			Zinc	85800	UG/KG		1400	23000000	UG/KG
NSWC-14/00-29	8/28/96		Chromium	14.9	MG/KG		9	940	MG/KG
			Nickel	9.3	MG/KG		21.5	1600	MG/KG

Organic Data Qualifier Code Descriptions:

U = Compound or analyte was analyzed for but not detected.

J = Value is estimated.

B = Compound or analyte was found in the associated method blank.

Z = Compound reported on semi-quantitative basis.

Inorganic Data Qualifier Code Descriptions:

U = Compound or analyte was analyzed for but not detected.

B = Value is estimated above the IDL but below the CRDL.

N = Spike recovery not within control limits.

E = Value is estimated due to presence of interference.

9507021

C1 1

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

Project No.: 4324

Project Name: NSWC Crane

Samplers: (Signature) Max Lamarque

Sampler: (Print) Max Lamarque

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No	6010 (ALL APP. IX metals)	+ Lithium													Remarks
Soil	14/00, 1ft. dwn, over batteries	6/29/95	1014	NSWC-14/00-001	X		X	X													
Soil	14/00, 1ft dwn, background	6/29/95	1035	NSWC-14/00-002	X		X	X													
Soil	16/16, 1ft dwn, Sump	6/29/95	1625	NSWC-16/16-001		X	X														
Soil	16/16, 1ft. dwn, Sump	6/29/95	1655	NSWC-16/16-002		X	X														
Soil	16/16, 1ft dwn, Composite	6/29/95	1725	NSWC-16/16-003		X	X														
Soil	16/16, 1ft dwn, Composite	6/29/95	1800	NSWC-16/16-004		X	X														
	Last Item A.J.L.																				

Analysis Required: -001, -002, -003, -004, -005, -006

Remarks: 1 Jar, 1 Jar, 1 Jar, 1 Jar, 1 Jar, 1 Jar

FED EX AIRBILL 5919918686

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Company: Morrison Knudsen	07/5 1330	Company:	Company:		Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Received for Laboratory By: (Signature) Company:	Date/Time 7/6/945	Total No. Samples This Shipping Container: Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:

9507220

MORRISON KNUDSEN CORPORATION

CC-004

CHAIN OF CUSTODY RECORD

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

AMERICAN ENVIRONMENTAL NETWORK INC

Project No.: 4324

Project Name: NSWC - CRANE

Samplers: (Signature) [signature]

Sampler: (Print) WES LAMARQUE

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No	RCRA (APPENDIX 9 METALS) + LITHIUM	Analysis Required	Remarks
SOIL	BATTERIE BURIAL (4' DEEP	7-26-95	1350	NSWC-14100-003		X	X	-001	REQUEST
SOIL	" "	7-26-95	1335	NSWC 14100 005		X	X	-002	2 DAY
LIQUID	SAME LOCATION AS NSWC-14100-003	7-26-95	1315	NSWC 14100-004		X	X	-003	TURN-AROUND
LIQUID	RINSATE BLANK	7-26-95	1415	NSWC-14100-2803		X	X	-004	(48 hours
									[illegible] 7-26-95

FED EX AIR BILL 591 9918 524

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Company: Morrison Knudsen	7/26/95 1500	Company:	Company:		Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Received for Laboratory By: (Signature) Company: [signature] AEN	Date/Time 7/27/95 1000	Total No. Samples This Shipping Container: Company: AEN
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:

9507230

CC-005

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

AMERICAN ENVIRONMENTAL NETWORK INC.

Project No.: 4324-0009-007-30
Project Name: NSWC -CRANE
Samplers: (Signature) Bill Kemp
Sampler: (Print) BILL KEMP

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No	200 SERIES METALS	7450 LEAD	6010 METALS TCLP	7470 MERCURY TCLP					TCLP				Remarks
SOIL	4' BELOW 003	7-27-95	10:00	NSWC-14600-006		X		X	X	X					-001/-003				REQUIRE 2 day Turnaround TONKempf 7-27-95
SOIL DUPLICATE	DUPLICATE OF 006	7-27-95	10:00	NSWC-14600-007	X			X	X	X					-002/-004				
LIQUID	SAME AREA AS 006	7-27-95	10:15	NSWC-14600-008		X	X								-005				
LIQUID	RINSATE BLANK	7-27-95	11:00	NSWC-14600-RB4		X	X	X	X	X					-006 (200), -007 (Li), -008 (TCLP)				(Caution) Samples may be "Hot"

Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:
TONKempf / MORRISON KNUDSEN	7-27-95 1500				
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Received for Laboratory By: (Signature) / Company: D. Tuttle	Date/Time 7/28/95 1000	Total No. Samples This Shipping Container: / Company: AEN
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:

9508075

C-06

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

AMERICAN ENVIRONMENTAL NETWORK

Project No.: 4324

Project Name: NSWC - CRANE

Samplers: (Signature) Bill Kemp

Sampler: (Print) Bill Kemp

Split Samples

Analysis Required: ONE 200 ml BOTTLE WITH APPROX. 10 DROPS OF 50% SULFURIC ACID AMMONIA

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No															Remarks
LIQUID	HOUR WATER	8-7-95	1520	NSWC-14/00-001			X	X	X								-001				REQUEST 2 DAY Turn Around

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Company: MK Corp	8-7-95 1630	Company:	Company:		Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Received for Laboratory By: (Signature) Company: B. Tomlin	Date/Time 8/8/95 945	Total No. Samples This Shipping Container: Company: AEN-HD
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:

9508261

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

CC.008

720 Park Blvd., P.O. Box 7
Boise, Idaho 83729
(208) 386-5000

AMERICAN ENVIRONMENTAL NETWORK INC

Project No. 4324 009-007-30

Project Name: NSWC-CRANE

Samplers: (Signature) Bill Kemp

Sampler: (Print) BILL KEMP

Analysis Required

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No	8240	8270	8080	8150	8140	9010	9020	8260	6010	7470	Remarks
SOIL	NORTH WALL	8-21-95	1515	NSWC-1400-010		X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Two day Turn Around
SOIL	NORTH WALL	8-21-95	1525	NSWC-1400-011	X		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
SOIL	ENE WALL	8-21-95	1535	NSWC-1400-012		X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
SOIL	SES WALL	8-21-95	1600	NSWC-1400-013		X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
SOIL	SOUTH WEST WALL	8-21-95	1620	NSWC-1400-014		X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
SOIL	WEST (NW) WALL	8-21-95	1640	NSWC-1400-015		X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
LIQUID	TRIP BLANK	8-21-95	1500	NSWC-1400-TB3		X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
LIQUID	RINSATE	8-22-95	0700	NSWC-1400-RB5		X	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	
SOIL	South Bottom	8-22-95	1030	NSWC-1400-016		X	X	X	X	X	X	X	X	X	X	X	
SOIL	North Bottom	8-22-95	1015	NSWC-1400-017		X	X	X	X	X	X	X	X	X	X	X	

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time	Received By: (Signature)
Company: MK Corp	8-22-95 1500	Company:	Company:		Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Received for Laboratory By: (Signature) Company: B. Tomi	Date/Time 8/23 950	Total No. Samples This Shipping Container: Company: AEN
Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:	Relinquished By: (Signature) Company:	Date/Time	Received By: (Signature) Company:

9508204

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

COC 007

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

AMERICAN ENVIRONMENTAL NETWORK INC

Project No.: 4324-001-007-30
Project Name: NSWC -CRANE
Samplers: (Signature)
Sampler: (Print) Bill

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No	8240	8270	8080	8150	9010	9030	8280	6010A	Lithium	7471						Remarks
SOIL	-001	8-16-95		NSWC-BP/BF-001		X	X	X	X	X	X	X	X	X	X	X						2 DAY
SOIL	-002	8-16-95		NSWC-BP/BF-002	X		X	X	X	X	X	X	X	X	X	X						TURNAROUND

Relinquished By: (Signature) / Company	Date/Time	Received By: (Signature) / Company	Relinquished By: (Signature) / Company	Date/Time	Received By: (Signature) / Company
TM Kempin	8-16-95 1500				
Relinquished By: (Signature) / Company:		Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:		Received By: (Signature) / Company:
Relinquished By: (Signature) / Company:		Received By: (Signature) / Company:	Received for Laboratory By: (Signature) / Company:	8/17/1000	Total No. Samples This Shipping Container: / Company: AEN
Relinquished By: (Signature) / Company:		Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:		Received By: (Signature) / Company:

96 57

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

PO# 1F6-4324-2565 CompuChem Emp 12°C, COC 54

Project No.: 1324-0009
Project Name: NSWC Remediation Crane
Samplers: (Signature)
Sampler: (Print) Peter J. Chevalier

	Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No	TCLP 8240	TCLP 8270	TCLP 8080/8150	TCLP 6010 ALL TAL	TCLP Lithium	9095	1010	9045	PF	1G	Sulfide	Sulfate	7.3.4.1	7.3.3.3	8240				Remarks
1	Soil	Center, Lithium Battery Fire	8/12/96	0945	NSWC-14/0018		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										2 day TAT
2	Liquid	Trip Blank	8/12/96	1013	NSWC-14/00TB41														✓							2 day TAT

Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:
MK	8/12/96 1500			8/13/96 9:30	CompuChem
CompuChem	8/13/96 11:10				
		Received for Laboratory By: (Signature) / Company: Tom Munnell AEN		8/14/96 9:45	Total No. Samples This Shipping Container:

CC #5781, 5789

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

CC 55

Compu Chem Po# 1F6-4324-2565

Project No.: 4324 0009-007-30

Project Name: NSWC Crane

Samplers: (Signature)

Sampler: (Print) Peter J. Chevalier

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No	App. IX Metals & Lithium	Remarks
Soil	Swall Eend	8/16/96	11:30	NSWC 14/00-019		✓	✓	Method 6010A
	Swall Wend		11:40	NSWC 14/00-020				
	Wwall		11:45	NSWC 14/00-021				
	Wwall		11:50	NSWC 14/00-022				
	Nwall Wend		1200	NSWC 14/00-023				Two 4oz jars per Sample
	Nwall Eend		1210	NSWC 14/00-024				
	Ewall		1220	NSWC 14/00-025				
	Bottom E		1230	NSWC 14/00-026				
	Bottom Mid		1240	NSWC 14/00-027				7 day TAT
	Bottom W		1250	NSWC 14/00-028				

Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:
	8/16/96 1500				
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Received for Laboratory By: (Signature) / Company: Compuchem	Date/Time 8/17/96 9:00	Total No. Samples This Shipping Container: / Company:
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:

00364

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

Compex Chem Corp. PO# 1F6-4324-2565 COC 56

Project No.: 4324 0004-007-30
Project Name: NSWC Crane
Samplers: (Signature)
Sampler: (Print) Peter J. Chevalier

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Samples Yes	Split Samples No	Chromium	Nickel	Remarks
Soil	N wall W end	8/28/96	1430	NSWC 14/00-029		✓	✓	✓	both (6)(0A Total
									ASAP TAT

Rec'd at 14°C
8/29/96

Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:
RIA mk	8/29/96 1530				
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Received for Laboratory By: (Signature) / Company:	Date/Time	Total No. Samples This Shipping Container: / Company:
Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:	Relinquished By: (Signature) / Company:	Date/Time	Received By: (Signature) / Company:

8/29/96 9:20am

CS-5793

MORRISON KNUDSEN CORPORATION

CHAIN OF CUSTODY RECORD

720 Park Blvd., P.O. Box 73
Boise, Idaho 83729
(208) 386-5000

American Environmental Network Inc.

Project No.: 1324-009-009-30
Project Name: NSWC - CRANE

Samplers: (Signature)
Sampler: (Print) Eric

Split Samples

Analysis Required

Sample Type	Sampling Point Description	Sample Date	Time	Sample I.D. Number	Split Yes	Split No	8240	8260	8260	8260	7010	7010	8250	8270	T-Mgm	TTT						Remarks
SOIL		3-16-95		NSWC-HP/BF-06		X	X	X	X	X	X	X	X	X	X	X						2 day
SOIL		3-16-95		NSWC-EF/BF-00	X		X	X	X	X	X	X	X	X	X	X						TURNAROUND

Date 6/30/96 | # of pages ▶ 2
From Peter Chevalier
Co. MK Crane
Phone #
Fax #

Post-it® Fax Note 7671
To Dylan Corelli
Co./Dept. MK-Env.
Phone #
Fax #

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time
Company: OMKemp	3-16-95 1500	Company:	Company:	
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time
Company:		Company:	Company:	
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Received for Laboratory By (Signature)	Date/Time
Company:		Company:	Company:	
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Relinquished By: (Signature)	Date/Time
Company:		Company:	Company:	

Container:

APPENDIX B

PHOTOGRAPHS

SWMU-14/00 5/11/95
SURFACE CONDITION PRIOR TO STARTING EXCAVATION

SWMU-14/00 6/29/95
SOIL SAMPLING IN CENTER OF LITHIUM SITE NUMBER NSWC-14/00-0001

SWMU-14/00 7/25/95
POT HOLING SEARCH FOR LITHIUM BATTERIES

SWMU-14/00 7/27/95
FIRST LITHIUM BATTERY LOCATED

SWMU-14/00 7/27/95
PLACING FIRST BATTERY IN TEMPORARY STORAGE

SWMU-14/00 8/1/95
DETERIORATED CONDITION OF FIRST BATTERY REMOVED

SWMU-14/00 8/10/95
STORMWATER COLLECTED ON PLASTIC COVERING EXCAVATION

SWMU-14/00 8/17/95
REMOVAL OF BATTERIES

SWMU-14/00 8/18/95
BATTERIES AND PARTS CRATED FOR DISPOSAL

SWMU-14/00 8/31/95
FINAL GRADE AT COMPLETION OF WORK

SWMU-14/00 8/9/96
LITHIUM BATTERIES LOCATED DURING BIOFACILITY EXCAVATION

SWMU-14/00 8/15/96
REMOVING LITHIUM BATTERY PARTS

SWMU-14/00 8/15/96
LITHIUM BATTERY PARTS PUT INTO TWO PLASTIC-LINED CRATES; SOIL LOADED INTO SOIL ROLL-OF

SWMU-14/00 8/16/96
CLEAN HOLE WHERE LITHIUM BATTERIES WERE LOCATED

SWMU-14/00 8/16/96
CLEAN STOCKPILE AREA

SWMU-17/04 5/11/95
LOOKING SOUTH FROM NORTH END - CP 173
NOTE YELLOW FLAG MARKED BY ARROW

SWMU-17/04 5/11/95
LOOKING SOUTH/SOUTHEAST ACROSS DRAINAGE DITCH
NOTE YELLOW FLAGS MARKED BY ARROW

SWMU-17/04 5/11/95
LOOKING SOUTHWEST FROM CP 172 TO BURIAL SITE #4
NOTE YELLOW FLAG MARKED BY ARROW

SWMU-17/04 5/11/95
LOOKING SOUTH FROM CP 172 TOWARD BURIAL SITE #5
NOTE YELLOW FLAG MARKED BY ARROW

SWMU-17/04 5/11/95
LOOKING NORTH TOWARD SITE #4
NOTE YELLOW FLAGS MARKED BY ARROW

SWMU-17/04 8/3/95
"I" BEAM WITH CONCRETE & MISC. METALS
NOTE ARROW

SWMU-17/04 8/3/95
ANOMALY SOUTH OF NORTH DITCH PRODUCED
SEVERAL FEET OF SMOOTH #4 REBAR

SWMU-17/04 8/2/95
RED CLAY WITH SLIGHT MAGNETIC PROPERTIES

SWMU-17/04 8/3/95
NORTH END ANOMALY PRODUCED A GUY WIRE ANCHOR

SWMU-17/04 8/3/95
THE ANOMALY SOUTH OF THE SOUTH DITCH
(NOTHING FOUND)

SWMU-17/04 8/14/95
PROPOSED NEXT DIG FOR PCB BATTERIES
SOUTHWEST CORNER OF CABLE LAYDOWN AREA

SWMU-17/04 8/14/95
SOUTHERN MOST EXCAVATION SHOWING CONDITION AFTER STORM

SWMU-17/04 8/14/95
ANOMALY EXCAVATION SHOWING CONDITIONS AFTER STORMS

SWMU-17/04 8/14/95
WEST-MOST DIG - CONDITION AFTER STORMS

SWMU-17/04 8/14/95
EAST DIG- CONDITIONS AFTER STORMS

SWMU-17/04 8/14/95
DIG SOUTH OF NORTH DITCH - CONDITION AFTER STORMS

APPENDIX C

REGULATORY FORMS/CORRESPONDENCE

APPENDIX C

REGULATORY FORMS/CORRESPONDENCE

- Table 4 (1 page) and Table 5 (6 pages) (extracted from the NSWC Crane Sampling and Analysis Plan
- Letter dated 8/14/95, from J. F. Jones to MK Corporation Contract N62467-93-D-1106, D.O. 9, Response Action Contract, NSWC Crane, IN
- SWMU Acceptance/Turnover
- Explosive Ordnance Incident Reports (3 pages)
- Waste Manifests (15 pages)
- Letter dated 7/25/95, from A. Wilson to T. Payne. USEPA comments to Work Plan for SWMUs 19 & 17 and General Project Plan (8 pages)
- Memo fax dated 7/14/95, from T. Brent to T. Payne Revision to Work Plan

TABLE 4
ANALYTICAL METHODS

Parameter	Method Number	Sample Size/ Container	Preservation	Holding Time
TCLP - Organics[4]	8260, 8270, 8150, 8140, 8080	2 x 40 mL VOA vials (8260); 1 liter amber glass jar (8270); 1 liter amber glass jar (8080); 1 liter amber glass jar (8150/8140); 1 liter plastic (6010); 1 8-ounce jar (mercury)	Refrigerate at 4°C	14 days 7/40 days
TCLP - Metals[4]	6010, 7470	2 x 250 mL plastic bottle	HNO_3 pH < 2	180 days
Paint Filter Test	9095	1 x 250 mL glass jar	None	N/A
Water Samples (SAMPLER MUST NOTE IF STANDARD OR APPENDIX IX PARAMETER LIST WILL BE USED)				
Volatile Organics	624/8260	2 x 40 mL glass vials	HCL to pH < 2, Refrigerate at 4°C	14 days
Explosives	8330	1 x 250 mL glass or plastic	Refrigerate at 4°C	14/40 days
Total Nitrates	353.1	1 x 500 mL glass or plastic	Refrigerate at 4°C	48 hours
Metals	200 series	1 x 1 L plastic bottle	Refrigerate at 4°C	6 months

Notes:
[1] - 14 days for extraction and 40 days from extraction to analysis.
[2] - Liquid samples only.
[3] - Solid samples only.
[4] - For solid samples, submit the following jars: one 250 mL glass jar for 8260, two 500-mL (two 8-ounce jars) for 8080, 8140/ 8150 and metals. The extraction method will be EPA Method 1311.

TABLE 5
INTERIM MEASURE CLEANUP LEVELS[1] FOR SOIL ANALYSES

Compound	Cleanup Level µg/kg	Compound	Cleanup Level µg/kg
Volatile Compounds - Methods 8260 & 8015			
Acetone	9,200,000	trans-1,3-Dichloropropene	1,000
Acetonitrile	230,000	1,4-Dioxane	32,000
Acrolein	780,000	Ethylbenzene	58,000
Acrylonitrile	260	**Ethyl cyanide**	**100**
Allyl chloride	200,000	Ethyl methacrylate	38,000
Benzene	2,700	**2-Hexanone**	**50**
Bromodichloromethane	2,900	**Iodomethane**	**5**
Bromomethane	60,000	Isobutyl alcohol	N.A.[2]
Carbon disulfide	53,000	Methacrylonitrile	56,000
Carbon tetrachloride	920	Methyl ethyl ketone	5,200,000
Chlorobenzene	300,000	Methyl methacrylate	3,200,000
2-Chloro-1,3-butadiene	**5**	4-Methyl-2-pentanone	2,000,000
Chlorodibromomethane	10,000	**Pentachloroethane**	**10**
Chloroethane	270,000	Styrene	13,000,000
Chloroform	960	1,1,1,2-Tetrachloroethane	10,000
Chloromethane	3,700	1,1,2,2-Tetrachloroethane	2,100
3-Chloropropene	5	Tetrachloroethylene	22,000
1,2-Dibromoethane	19	Toluene	280,000
Dibromomethane	390,000	Tribromomethane	110,000
trans-1,4-Dichloro-2-butene	**15**	1,1,1-Trichloroethane	300,000
Dichlorodifluoromethane	380,000	1,1,2-Trichloroethane	2,900
1,1-Dichloroethane	400,000	Trichloroethylene	14,000
1,2-Dichloroethane	840	Trichlorofluoromethane	410,000
1,1-Dichloroethylene	70	1,2,3-Trichloropropane	310,000
trans-1,2-Dichloroethylene	620,000	Vinyl acetate	39,000,000

TABLE 5
INTERIM MEASURE CLEANUP LEVELS[1] FOR SOIL ANALYSES

Compound	Cleanup Level µg/kg	Compound	Cleanup Level µg/kg
Dichloromethane	22,000	Vinyl chloride	9.7
1,2-Dichloropropane	1,300	Total xylenes	99,000
cis-1,3-Dichloropropene	1,000		
Base/Neutral Compounds - Methods 8270 & 8280[3]			
Acenaphthene	36,000	Hexachlorocyclopentadiene	270,000
Acenaphthylene	**660**	Hexachlorodibenzo-p-dioxins	N.A.[2]
Acetophenone	3,900,000	Hexachlorodibenzofurans	N.A.[2]
2-Acetylaminofluorene	N.A.[2]	Hexachloroethane	39,000
4-Aminobiphenyl	N.A.[2]	Hexachlorophene	12,000
Aniline	11,000	Hexachloropropene	N.A.[2]
Anthracene	1,900	Indeno(1,2,3-c,d)pyrene	1,200
Aramite	34,000	Isophorone	900,000
Benzo(a)anthracene	**660**	Isosafrole	N.A.[2]
Benzo(b)fluoranthene	**660**	Methapyrilene	N.A.[2]
Benzo(k)fluoranthene	**660**	3-Methylcholanthrene	N.A.[2]
Benzo(g,h,i)perylene	**660**	Methyl methanesulfonate	N.A.[2]
Benzo(a)pyrene	**660**	**2-Methylnaphthalene**	**660**
Benzyl alcohol	12,000,000	Naphthalene	80,000
Bis(2-chloroethoxy)methane	**660**	1,4-Naphthoquinone	N.A.[2]
Bis(2-chloroethyl)ether	**150**	1-Naphthylamine	N.A.[2]
Bis(2-chloroisopropyl)ether	12,000	2-Naphthylamine	N.A.[2]
Bis(2-ethylhexyl)phthalate	61,000	**m-Nitroaniline**	**3,300**
4-Bromophenyl phenyl ether	**660**	**o-Nitroaniline**	**2,300**
Butyl benzyl phthalate	7,800,000	p-Nitroaniline	N.A.[2]
p-Chloroaniline	160,000	Nitrobenzene	20,000
2-Chloronaphthalene	3,100,000	4-Nitroquinoline-1-oxide	N.A.[2]

TABLE 5
INTERIM MEASURE CLEANUP LEVELS' FOR SOIL ANALYSES

Compound	Cleanup Level µg/kg	Compound	Cleanup Level µg/kg
4-Chlorophenyl phenyl ether	**660**	N-Nitrosodi-n-butylamine	160
Chrysene	800	N-nitrosodiethylamine	5.7
Dibenzo(a,h)anthracene	**120**	N-nitrosodimethylamine	17
Dibenzofuran	**660**	N-nitrosodiphenylamine	170,000
1,2-Dibromo-3-chloropropane	610	N-nitrosomethylethylamine	39
Di-n-butyl phthalate	3,900,000	N-nitrosomorpholine	N.A.[2]
m-Dichlorobenzene	280,000	N-nitrosopiperidine	N.A.[2]
o-Dichlrorbenzene	230,000	N-nitrosopyrrolidine	N.A.[2]
p-Dichlorobenzene	17,000	5-nitro-o-toluidine	N.A.[2]
3,3'-Dichlorobenzidine	1,900	Pentachlorobenzene	31,000
Diethyl phthalate	31,000,000	Pentachlorodibenzo-p-dioxins	N.A.[2]
O,O-Diethyl-O-2-purazinylphosphorothioate	N.A.[2]	Pentachlorodibenzofurans	N.A.[2]
p-Dimethylaminoazobenzene	N.A.[2]	Phenacetin	N.A.[2]
7,12-Dimethylbenz(a)anthracene	N.A.[2]	**Phenanthrene**	**660**
3,3'-Dimethylbenzidine	93	p-Phenylenediamine	7,400,000
alpha,alpha-Dimethyphenethylamine	N.A.[2]	2-Picoline	N.A.[2]
Dimethyl phthalate	100,000,000	Pyrene	1,200,000
m-Dinitrobenzene	3,900	Pyridine	3,900
2,4-Dinitrotoluene	78,000	Safrole	N.A.[2]
2,6-Dinitrotoluene	1,300	1,2,4,5-Tetrachlorobenzene	12,000
Di-n-octyl phthalate	780,000	**2,3,7,8-Tetrachlorodibenzo-p-dioxin**	**0.0057**
Diphenylamine	980,000	Tetrachlorodibenzo-p-dioxins	N.A.[2]
Di-n-propylnitrosamine	**120**	Tetrachlorodibenzofurans	N.A.[2]
Ethyl methanesulfonate	N.A.[2]	o-Toluidine	N.A.[2]
Fluoranthene	1,600,000	1,2,4-Trichlorobenzene	93,000
Fluorene	28,000	O,O,O-Triethylphosphorothioate	N.A.[2]

TABLE 5
INTERIM MEASURE CLEANUP LEVELS[1] FOR SOIL ANALYSES

Compound	Cleanup Level µg/kg	Compound	Cleanup Level µg/kg
Hexachlorobenzene	530	sym-Trinitrobenzene	2,000
Hexachlorobutadiene	11,000		
Acid Compounds - Method 8270			
2-sec-Butyl-4,6-dinitrophenol	39,000	4,6-Dinitro-o-cresol	3,300
p-Chloro-m-cresol	**210**	2,4-Dintrophenol	78,000
2-Chlorophenol	200,000	**2-Nitrophenol**	**300**
meta-Cresol	2,000,000	**4-Nitrophenol**	**190**
ortho-Cresol	2,000,000	Pentachlorophenol	7,100
para-Cresol	200,000	Phenol	23,000,000
2,4-Dichlorophenol	120,000	2,3,4,6-Tetrachlorophenol	1,200,000
2,6-Dichlorophenol	N.A.[2]	2,4,5-Trichlorophenol	930
2,4-Dimethylphenol	780,000	2,4,6-Trichlorophenol	77,000
Pesticide & PCB Compounds - Methods 8080 & 8140			
Aldrin	50	Disulfoton	1,600
Aroclor 1016	110[4]	Endosulfan sulfate	44.2
Aroclor 1221	110[4]	Endosulfan I (alpha)	2,000
Aroclor 1232	110[4]	Endosulfan II (beta)	2,000
Aroclor 1242	110[4]	Endrin	12,000
Aroclor 1248	110[4]	**Endrin aldehyde**	**15.4**
Aroclor 1254	110[4]	Famphur	N.A.[2]
Aroclor 1260	110[4]	Heptachlor	190
alpha-BHC	**2.01**	Heptachlor epoxide	94
beta-BHC	**4.02**	Isodrin	N.A.[2]
delta-BHC	**6.03**	Kepone	47
gamma-BHC	**2.68**	Methoxychlor	200,000
Chlordane	660	**Methyl parathion**	**20**

TABLE 5
INTERIM MEASURE CLEANUP LEVELS[1] FOR SOIL ANALYSES

Compound	Cleanup Level µg/kg	Compound	Cleanup Level µg/kg
Chlorobenzilate	3,200	Parathion	230,000
4,4'-DDD	3,500	Pentachloronitrobenzene	3,300
4,4'-DDE	2,500	Phorate	7,800
4,4'-DDT	8	Pronamide	2,900,000
Diallate	14,000	Tetraethyl dithiopyrophosphate	20,000
Dieldrin	53	Toxaphene	770
Dimethoate	7,800		
Herbicides - Method 8150			
2,4-Dichlorophenoxyacetic acid	390,000	2,4,5-T	390,000
Silvex	**110**		

TABLE 5
INTERIM MEASURE CLEANUP LEVELS[1] FOR SOIL ANALYSES

Compound	Cleanup Level µg/kg	Compound	Cleanup Level µg/kg
Metals - Methods 6010/7000			
Antimony	31,000	Mercury	23,000
Arsenic	970	Nickel	1,600,000
Barium	5,500,000	Selenium	390,000
Beryllium	400	Silver	390,000
Cadmium	39,000	Thallium	N.A.[2]
Chromium	940,000	Tin	47,000,000
Cobalt	**100**	Vanadium	550,000
Copper	2,900,000	Zinc	23,000,000
Lead	500,000		
Miscellaneous - Methods 9012 & 9030			
Cyanide	1,600,000	Sulfide	N.A.[2]

[1]Levels taken from USEPA memo *RCRA Corrective Action Guidance Human Health Data Quality Levels for RFI Projects* by Karl E. Bremer, June 18, 1994.
[2]N.A - None Available.
[3]Method 8280 for dioxins and furans only.
[4]DQL for total PCBs is 110 µg/kg.

Note: Constituents printed in bold fond are those for which the lowest practical quantitative limit (PQL) either equals or exceeds the cleanup goal. For these cases, the PQL is listed as the cleanup level, and the detection limit achieved by the laboratory should be closely monitored. The analyte list for 8260 should be reviewed to make sure all parameters are accounted for.

Equipment rinsates will be analyzed for the same parameters as the soil samples collected that day. Consult the laboratory for appropriate bottle size and preservative.

RECEIVED
AUG 14 1995
MK CORP

Crane RECEIVED
AUG 18 1995
MK-CRANE

5090
Code 18011
14 Aug 95

NAV/MKC-170

Morrison Knudsen Corporation
2420 Mall Drive
Corporate Square 1 Suite 211
North Charleston, SC 29406

Subj: CONTRACT N62467-93-D-1106, DELIVERY ORDER 9, RESPONSE ACTION CONTRACT, NSWC CRANE, IN

Gentlemen:

This letter is to serve as technical direction for the following actions:

In cooperation with the Navy, USEPA Region V and Indiana Department of Environmental Management the following shall be done at the Lithium battery SWMU # 14: the batteries or pieces of batteries found will be disposed of by NSWC EOD. The soils whose lithium and/or nickel concentrations are above 1600 ppm shall be contained and disposed of off site as special waste. All sludge shall be disposed of as special waste. Soils whose lithium and/or nickel concentrations are less than 1600 ppm are to be used as backfill. Any water whose lithium and/or nickel concentrations are greater than 730 ppb are to be disposed of in a sewer treatment facility if it meets the facilities criteria and if not it will be disposed of off site.

The concentrations listed above are IRIS risk-based levels.

You shall proceed promptly with the performance of this technical direction. You are to provide a budgetary impact of this direction to the Contracting Officer within 5 days of its issuance. If in your opinion, this direction falls within any of the categories defined in paragraph (b) of clause G8, Technical Direction, of your contract, you shall promptly notify the Contracting Officer in writing. You shall take no action until the Contracting Officer has issued a modification to the delivery order or otherwise resolved the issue.

NSWC-C
4324-0
PROJECT MEMBER
PROJECT MANAGER
PROJECT ENGINEER
GNL SUPT
SAFETY AND HEALTH
QA/QC SUPERVISOR
PROJECT CONTROLS
FIELD ENGINEERING
PMO-CHARLESTON
FILE: 13.050.
FILE: 10.021
FILE: 11.012

C-4324
I A R
11.2.9

If you have any questions, contact Jimmy Jones, Code 18011, at 803-743-0544 or DSN 563-0544.

J. F. Jones
COTR RAC II

Copy to:
Code 0232RH
Code 1864
Code 052CH
Code 18B8
Brent Robertson- ROICC NSWC Crane

RECEIVED
NOV 15 1995
MK-CRANE

MORRISON KNUDSEN CORPORATION
ENGINEERING, CONSTRUCTION
& ENVIRONMENTAL GROUP

P.O. BOX 408
CRANE VILLAGE, IN 47522
PHONE: (812) 854-6941
FAX: (812)854-6944

SWMU ACCEPTANCE/TURNOVER

BACKFILL TO SUBGRADE + COMPACTION	SWMU-14/00	SWMU-17/04
BACKFILL TO GRADE + COMPACTION	Jerry Smith 9/29/95	Jerry Smith 9-29-95
TOPSOIL	Jerry Smith 9-29-95	Jerry Smith 9-29-95
SEEDING	Jerry Smith 9-29-95	Jerry Smith 9-29-95

Solid Waste Management Unit Interim Measures Cleanup in SWMUS-14/00 and 17/04 has been completed and is recognized and accepted as such.

MORRISON KNUDSEN

Signature Jerry Smith Date 9-29-95

Signature Robert E Potts Date 9-29-95

Signature Ellen T Downey Date 9-29-95

Signature _____ Date _____

NAVY

Signature [illegible] Date 9/29/95

Signature _____ Date _____

Signature _____ Date _____

Signature _____ Date _____

EXPLOSIVE ORDNANCE INCIDENT REPORT
EODGRUTWO FORM 8027/2

	1. UNIT NUMBER	2. CONTROL NUMBER	3. UNUSUAL
EODMU TWO DET CRANE	30702	5236-01	4. ROUTINE [X]

SECTION A: INITIAL INFORMATION

5. DATE/TIME REPORTED
24 AUG 95/0730

6. REPORTED BY
N/A

7. PHONE NUMBER
x1598

8. ADDRESS

9. INCIDENT LOCATION
DEMO RANGE
NSWC CRANE

10. POINT OF CONTACT
BM1 LEVITT
EODMU 2 DET CRANE

11. ITEMS (S) REPORTED

ITEM	QTY
LITHIUM BATTERY COMPONENTS (CRATED)	12

12. PERSONNEL DISPATCHED
BM1 LEVITT
GMCS BOND
MMC OBERG
GMC WURTH
BM1 KETLNER

13. DATE/TIME
24 AUG 95
A. DPRT
0730
B. APRR
N/A
C. COMPL
1130
D. TOTAL MAN-HOURS
20.0 MH

14. CONFIRMED IDENTIFICATION
SAME AS ABOVE

15. DISPOSITION OF ITEM
DISPOSAL BY DETONATION.

16. INCIDENT NARRATIVE (Include all significant details and problems)

DISPOSAL OF LITHIUM BATTERY COMPONENTS RECOVERED FROM NSWC LANDFILL. DISPOSAL OPERATION CONSISTED OF 12 SURFACE SHOTS, N.E.W. OF EACH SHOT 200LBS, TOTAL N.E.W. OF 2400LBS.

COPY TO: Code A
067

17. [illegible]
MMC

18. TELEPHONE NO.
x3456

19. DATE
24 AUG 95

EXPLOSIVE ORDNANCE INCIDENT REPORT
EODGRUTWO FORM 8027/2

	1. UNIT NUMBER	2. CONTROL NUMBER	3. UNUSUAL ☐
EODMU TWO DET CRANE	30702	5235-01	4. ROUTINE [X]

SECTION A: INITIAL INFORMATION

5. DATE/TIME REPORTED: 23 AUG 95/0830

6. REPORTED BY: N/A

7. PHONE NUMBER: x1598

8. ADDRESS:

9. INCIDENT LOCATION: DEMO RANGE NSWC CRANE

10. POINT OF CONTACT: MMC OBERG EODMU 2 DET CRANE

11. ITEMS (S) REPORTED

ITEM	QTY
LITHIUM BATTERY COMPONENTS(CRATED)	10

12. PERSONNEL DISPATCHED
BM1 LEVITT
HT1 AYERS
MMC OBERG
GMC WURTH
BM1 KETLNER

13. DATE/TIME: 23 AUG 95
A. DPRT: 0800
B. APRR: N/A
C. COMPL: 1200
D. TOTAL MAN-HOURS: 20.0 MH

14. CONFIRMED IDENTIFICATION: SAME AS ABOVE

15. DISPOSITION OF ITEM

DISPOSAL BY DETONATION.

16. INCIDENT NARRATIVE *(Include all significant details and problems)*

DISPOSAL OF LITHIUM BATTERY COMPONENTS RECOVERED FROM NSWC LANDFILL. DISPOSAL OPERATION CONSISTED OF 10 SURFACE SHOTS, N.E.W. OF EACH SHOT 200LBS, TOTAL N.E.W OF 2000LBS.

COPY TO: Code A
067

17. SIGNATURE *(Royal Officer in Charge)*	18. TELEPHONE NO.	19. DATE
MMC	x3456	23 AUG 95

EXPLOSIVE ORDNANCE INCIDENT REPORT
EODGRUTWO FORM 8027/2

	1. UNIT NUMBER	2. CONTROL NUMBER	3. UNUSUAL ☐
EODMU TWO DET CRANE	30702	6262-01	4. ROUTINE [X]

SECTION A: INITIAL INFORMATION

5. DATE/TIME REPORTED
18 SEP 96/0800

6. REPORTED BY
BM1 LEVITT

7. PHONE NUMBER
X3456

8. ADDRESS
BLDG 2721

9. INCIDENT LOCATION
DEMO RANGE
NSWC CRANE

10. POINT OF CONTACT
BM1 LEVITT

11. ITEMS (S) REPORTED

ITEM	QTY
LITHIUM BATTERY	12

12. PERSONNEL DISPATCHED
LT RUDDEROW
BM1 LEVITT
HT1 AYERS

13. DATE/TIME
18 SEP 96

A. DPRT
0800

B. APRR
N/A

C. COMPL
1200

D. TOTAL MAN-HOURS
12.0 MH

14. CONFIRMED IDENTIFICATION
SAME AS ABOVE

15. DISPOSITION OF ITEM

Disposal by detonation.

16. INCIDENT NARRATIVE *(Include all significant details and problems)*

Items were dug up during clearance operations. Items were deemed hazardous scrap by NSWC Crane EPA. Items were transported to the demo range and disposed of. Twelve surface shots with a NEW of 240 lbs per shot. Total NEW used was 2880 lbs.

Copy to: A
Route to: 067

17. SIGNATURE *(Rank of Officer in Charge)*	18. TELEPHONE NO.	19. DATE
Rudderow	X3456	18 SEP 96

AUG 25 1995

MK-CRANE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. IN5170023498	Manifest Document No. 001	2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CTR, CRANE DIVISION, BLDG. 2516, CRANE, INDIANA 47522

4. Generator's Phone: (812) 854-3318

5. Transporter 1 Company Name: REDBANK CO. — 6. US EPA ID Number: OHT400014205 — A. State Transporter's ID — B. Transporter 1 Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — C. State Transporter's ID — D. Transporter 2 Phone

9. Designated Facility Name and Site Address: RUMPKE, 10795 HUGHES RD., CINCINNATI, OHIO 45251 — 10. US EPA ID Number: OHD 001851534 — E. State Facility's ID — F. Facility's Phone: (513) 851-0122

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	24	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above: SOIL AND DEBRIS CONTAMINATED WITH "NON REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: JAMES HUNDICKER — Signature — Date: Month 8 Day 22 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: PAUL SUFFRIDGE — Signature — Date: Month 8 Day 22 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: RUMPKE FIELD — Signature — Date: Month 8 Day 23 Year 95

RCRA NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN5170023498

Manifest Document No. 002

2. Page 1 of

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CTR. CRANE DIVISION BLDG. 2516 CRANE, INDIANA 47522

4. Generator's Phone: (812) 854-3318

5. Transporter 1 Company Name: REDBANK CO. J-65

6. US EPA ID Number: OHT400814205

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: RUMPKE 10795 HUGHES Rd. CINCINNATI, OHIO 45251

10. US EPA ID Number: OHD001851534

E. State Facility's ID

F. Facility's Phone: (513) 851-0122

GENERATOR

11. WASTE DESCRIPTION	Container No.	Container Type	Total Quantity	Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	23	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above: SOIL AND DEBRIS CONTAMINATED WITH "NON-REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

RCRA NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: HANS HUNDSLEKER — Signature — Date: Month 08 Day 22 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TERRI FRAZER — Signature — Date: Month 08 Day 22 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by the manifest, except as noted in Item 19.

Printed/Typed Name: Holly A. Stone — Signature — Date: Month 8 Day 22 Year 95

NON-HAZARDOUS WASTE MANIFEST

Please print/type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN5170013498

Manifest Document No. 003

2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CTR. CRANE DIVISION BLDG. 2516 CRANE, INDIANA 47522

4. Generator's Phone (812) 854-3318

5. Transporter 1 Company Name: REDBANK CO.

6. US EPA ID Number: OHT 400014205

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: RUMPKE 10795 HUGHES RD. CINCINNATI, OHIO 45251

10. US EPA ID Number: OHD001851534

E. State Facility's ID

F. Facility's Phone (513) 851-0122

11. WASTE DESCRIPTION

	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	24	T
b.				
c.				
d.				

GENERATOR

F. Additional Descriptions for Materials Listed Above: SOIL AND DEBRIS CONTAMINATED WITH "NON-REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

RCRA NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: JAMES HUNSICKER — Signature — Date: Month 08 Day 22 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Pete Neal — Signature — Date: Month 08 Day 22 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Rumpke Land Fill

Printed/Typed Name: H. L. Stone — Signature — Date: Month 8 Day 22 Year 95

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

RCRA NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: IN5170023408

Manifest Document No.: 004

2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFACE CENTER, CRANE DIVISION, BLDG. 2516, CRANE, INDIANA 47522

4. Generator's Phone: (812)854-3318

5. Transporter 1 Company Name: REDBANK CO.

6. US EPA ID Number: OHT400014205

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: RUMPKE, 10795 HUGHES ROAD, CINCINNATI, OHIO 45251

10. US EPA ID Number: OHD001851534

E. State Facility's ID

F. Facility's Phone: (513) 851-0122

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	23	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above: EXCAVATED SOIL AND DEBIS CONTAMINATED WITH "NON REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS J. BREAT — Signature: [signature] — Date: Month 08 Day 23 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: PAUL SUTFRIDGE — Signature: [signature] — Date: Month 08 Day 23 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

RUMPKE

Printed/Typed Name: [illegible] — Signature: [signature] — Date: Month 8 Day 23

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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

RCRA NON-HAZARD JS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: IN5170023498

Manifest Document No: 005

2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CTR. CRANE DIVISION BLDG. 2516 CRANE, INDIANA 47522

4. Generator's Phone: (812) 854-3318

5. Transporter 1 Company Name: REDBANK CO.

6. US EPA ID Number: OHT 400014206

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: RUMPKE, 10795 HUGHES Rd., CINCINNATI, OHIO 45251

10. US EPA ID Number: OHD000851534

E. State Facility's ID

F. Facility's Phone: (513) 851-0122

11. WASTE DESCRIPTION

	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	25.65	T
b.				
c.				
d.				

GENERATOR

F. Additional Descriptions for Materials Listed Above: EXCAVATED SOIL AND DEBRIS CONTAMINATED WITH "NON-REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS J. BRENT — Signature: Thomas J. Brent — Date: Month 08 Day 23 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOHN T MERZ — Signature: John T Merz — Date: Month 8 Day 23 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by the manifest, except as noted in Item 19.

Rumpke

Printed/Typed Name: Holly A. Shano — Signature: Holly A. Shano — Date: Month 8 Day 23 Year 95

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: IN5170023498

Manifest Document No.: 006

2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CTR. CRANE DIVISION BLDG. 2516 CRANE, INDIANA 47522

4. Generator's Phone: (812) 854-3318

5. Transporter 1 Company Name: REDBANK Co.

6. US EPA ID Number: OHT400014205

A. State Transporter's ID:

B. Transporter 1 Phone: [illegible]

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address: RUMPKE 10795 HUGHES ROAD CINCINNATI, OHIO 45251

10. US EPA ID Number: OHD 001851534

E. State Facility's ID:

F. Facility's Phone: (513) 851-0122

11. WASTE DESCRIPTION

	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	24.6	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above: EXCAVATED SOIL AND DEBRIS CONTAMINATED WITH "NON-REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information:

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS J. BRENT — Signature: [signature] — Date: Month 03 Day 23 Year 95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RICK STROUD — Signature: [signature] — Date: Month 3 Day 23 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space:

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

RUMPKE

Printed/Typed Name: HOLLY A. STONE — Signature: [signature] — Date: Month 3 Day 23 Year 95

RCRA NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: IN5170023498

Manifest Document No.: 007

2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CENTER, CRANE DIVISION, BLDG. 2516, CRANE, INDIANA 47522

4. Generator's Phone: (812) 854-3318

5. Transporter 1 Company Name: REDBANK CO.

6. US EPA ID Number: OHT400014205

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: RUMPKE, 10795 HUGHES ROAD, CINCINNATI, OHIO 45251

10. US EPA ID Number: OHD001851534

E. State Facility's ID

F. Facility's Phone: (513) 851-0122

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	25	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above: EXCAVATED SOIL AND DEBRIS CONTAMINATED WITH "NON-REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS T. BRENT — Signature: Thomas T. Brent — Date: Month 08, Day 23, Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TERRY FRAZIER — Signature: [illegible] — Date: Month 08, Day 23, Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month, Day, Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Rumpke

Printed/Typed Name: Holly A. Stone — Signature: Holly A. Stone — Date: Month 8, Day 23, Year 95

RCRA NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: IN5170023498

Manifest Document No.: 008

2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CTR. CRANE DIVISION BLDG. 2516 CRANE, INDIANA 47522

4. Generator's Phone: (812) 854-3318

5. Transporter 1 Company Name: REDBANK CO.

6. US EPA ID Number: OHT 400014205

7. Transporter 2 Company Name:

8. US EPA ID Number:

9. Designated Facility Name and Site Address: RUMPKE 10795 HUGHES ROAD CINCINNATI, OHIO 45251

10. US EPA ID Number: OHD 001851534

A. State Transporter's ID:

B. Transporter 1 Phone:

C. State Transporter's ID:

D. Transporter 2 Phone:

E. State Facility's ID:

F. Facility's Phone: (513) 851-0122

11. WASTE DESCRIPTION

	Containers No.	Containers Type	12. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	25	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above: EXCAVATED SOIL AND DEBRIS CONTAMINATED WITH "NON-REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information:

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS J. BREIT — Signature: Thomas J. Breit — Date: Month 08 Day 23 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Pete Neal — Signature: [signature] — Date: Month 8 Day 23 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: Holly A. Bond — Signature: [signature] — Date: Month 8 Day Year

RCRA NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

RCRA NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: IN5170023498
Manifest Document No.: 009
2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CTR. CRANE DIVISION BLDG. 2516 CRANE, INDIANA 47522
4. Generator's Phone: (812) 854-3318

5. Transporter 1 Company Name: REDBANK CO. J-65
6. US EPA ID Number: OHT400014225
A. State Transporter's ID
B. Transporter 1 Phone

7. Transporter 2 Company Name
8. US EPA ID Number
C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address: RUMPKE 10795 HUGHES Rd. CINCINNATI, OHIO 45251
10. US EPA ID Number: OHD 001851534
E. State Facility's ID
F. Facility's Phone: (513) 851-0122

11. WASTE DESCRIPTION

	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	OT	22	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above: SOIL AND DEBRIS CONTAMINATED WITH "NON REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on the manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS J. BRETT
Signature: Thomas J. Brett
Date: Month 03 Day 24 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: TERRY FRALICK
Signature
Date: Month 03 Day 24 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: Hall A Stone
Signature
Date: Month 3 Day 24 Year 95

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN5170023498
Manifest Document No. 010
2. Page 1 of 1

3. Generator's Name and Mailing Address
NAVAL SURFACE WARFARE CTR
CRANE DIVISION
BLDG. 2516
CRANE, INDIANA 47522

4. Generator's Phone (812) 854-3318 ( )

5. Transporter 1 Company Name: REDBANK CO.
6. US EPA ID Number: OHT4000014205

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
RUMPKE
10795 HUGHES Rd.
CINCINNATI, OHIO 45251
10. US EPA ID Number: OHD 0018.51534

A. State Transporter's ID
B. Transporter 1 Phone
C. State Transporter's ID
D. Transporter 2 Phone
E. State Facility's ID
F. Facility's Phone (513) 851-0122

GENERATOR

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	25	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above
SOIL AND DEBRIS CONTAMINATED WITH "NON REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

RCRA NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS T. [illegible] Signature: [illegible] Date: Month 08 Day 21 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Pete NEAL Signature: [illegible] Date: Month 08 Day 21 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: [illegible] Signature: [illegible] Date: Month [illegible] Day [illegible] Year [illegible]

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: IN5170023498

Manifest Document No.: 011

2. Page 1 of 1

3. Generator's Name and Mailing Address: NAVAL SURFACE WARFARE CTR
CRANE DIVISION
BLDG. 2516
CRANE, INDIANA 47522

4. Generator's Phone: (812) 854-3318

5. Transporter 1 Company Name: REDBANK CO.

6. US EPA ID Number: OHT 400014205

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: RUMPKE
10795 HUGHES Rd.
CINCINNATI, OHIO 45251

10. US EPA ID Number: OHD 001 851534

E. State Facility's ID

F. Facility's Phone: (513) 851-0122

GENERATOR

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	24	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above: SOIL AND DEBRIS CONTAMINATED WITH "NON REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

RCRA NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS J. GRANT
Signature: Thomas J. Grant
Date: Month 08 Day 24 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John Collins
Signature: John Collins
Date: Month 08 Day 24 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: RUMPKE
Signature: Holly A. Stone
Date: Month 8 Day 24 Year 95

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN5170023498

Manifest Document No. 012

2. Page 1 of

3. Generator's Name and Mailing Address NAVAL SURFACE WARFARE CTR
CRANE DIVISION
BLDG. 2516
CRANE, INDIANA 47522

4. Generator's Phone (812) 854-3318

5. Transporter 1 Company Name REDBANK CO.

6. US EPA ID Number 04T4000014205

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
RUMPKE
10795 HUGHES Rd.
CINCINNATI, OHIO 45251

10. US EPA ID Number OHD001851534

E. State Facility's ID

F. Facility's Phone (513) 851-0122

RCRA NON-HAZARDOUS WASTE

GENERATOR

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit WT/Vol.
a. CONTAMINATED SOIL AND DEBRIS	1	DT	25	T
b.				
c.				
d.				

F. Additional Descriptions for Materials Listed Above
SOIL AND DEBRIS CONTAMINATED WITH "NON REACTIVE" LITHIUM AND NICKEL

G. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name THOMAS J. BRETT — Signature — Date Month 08 Day 21 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Paul S. Effinger — Signature — Date Month 08 Day 21 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by the manifest, except as noted in Item 19.

Rumpke

Printed/Typed Name Holly Y. Stone — Signature — Date Month

[redacted]

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN 5 1 7 0 0 2 3 4 9 8
Manifest Document No. 0 0 1 3
2. Page 1 of 1

3. Generator's Name and Mailing Address
CRANE NAVAL SURFACE WARFARE CENTE
300 HIGHWAY 361 24063260
CRANE, IN 47522

4. Generator's Phone (812) 854-6160

5. Transporter 1 Company Name: METROPOLITAN ENVIRONMENTAL, INC.
6. US EPA ID Number: IN T 1 9 0 0 1 0 3 9 7
A. Transporter's Phone: (419)586-6638

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES INC.
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231-1367
10. US EPA ID Number: IND 0 9 3 2 1 9 0 1 2
C. Facility's Phone: (317)243-0811

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-DOT REGULATED MATERIAL	001	T1	292.00	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
A. 38590-2

E. Handling Codes for Wastes Listed Above
11a. T21

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY PHONE #: 812-854-1225

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
THOMAS J. BRENT	Thomas J. Brent	09	06	96

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CHARLES WILSON	Charles Wilson	09	06	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
JULIE WARD	Julie Ward	09	29	96

GENERATOR
TRANSPORTER
FACIL

ORIGINAL – RETURN TO GENERATOR

[redacted]

[redacted]

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. I N 5 1 7 0 0 2 3 4 9 8
Manifest Document No. 0 0 0 1 4
2. Page 1 of 1

3. Generator's Name and Mailing Address
CRANE NAVAL SURFACE WARFARE CENTE
300 HIGHWAY 361 B-3260 C-095
CRANE, IN 47522

4. Generator's Phone (812) 854-6160

5. Transporter 1 Company Name: METROPOLITAN ENVIRONMENTAL, INC.
6. US EPA ID Number: I N T 1 9 0 0 1 0 3 9 7
A. Transporter's Phone: (419)586-6638

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES INC.
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231-1367
10. US EPA ID Number: I N D 0 9 3 2 1 9 0 1 2
C. Facility's Phone: (317)243-0811

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-DOT REGULATED MATERIAL	0 0 1	T	35960	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
A. 38590-2

E. Handling Codes for Wastes Listed Above
11a. T21

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY PHONE #: 812-854-1225

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste
Printed/Typed Name: THOMAS J. BRENT
Signature: Thomas J. Brent
Month Day Year: 09 06 9

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Kent Sleniker
Signature: [signature]
Month Day Year: 09 06 9

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible]
Signature: [signature]
Month Day Year: 09 12 9

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL – RETURN TO GENERATOR

[redacted]

[redacted]

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN51700234980 — Manifest Document No. 0015 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
CRANE NAVAL SURFACE WARFARE CENTE
300 HIGHWAY 361
CRANE, IN 47522

4. Generator's Phone (812) 854-6160

5. Transporter 1 Company Name: METROPOLITAN ENVIRONMENTAL, INC.
6. US EPA ID Number: INT190010397
A. Transporter's Phone: (419)586-6638

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES INC.
7901 WEST MORRIS STREET
INDIANAPOLIS, IN 46231-1367
10. US EPA ID Number: IND093219012
C. Facility's Phone: (317)243-0811

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-DOT REGULATED MATERIAL	001	T	29020	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
A. 38590-2

E. Handling Codes for Wastes Listed Above
11a. T21

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY PHONE #: 812-854-1225

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of hazardous waste.
Printed/Typed Name: THOMAS J. BRENT — Signature: Thomas J. Brent — Month 09 Day 06 Year 96

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jimmie Adams — Signature: Jimmie Adams — Month 09 Day 06 Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month 09 Day 12 Year 96

GENERATOR / TRANSPORTER / FACIL.

[redacted]

ORIGINAL – RETURN TO GENERATOR

[redacted]

RECEIVED
JUL 25 1995
MK-CRANE

DEPARTMENT OF THE NAVY
SOUTH NAVFACENGCOM Environmental
Code 1864
P. O. Box 190010
N. Charleston, SC 29419-9010

FAX COVER SHEET

DATE: July 25, 1995 TIME: 11:11 AM

TO: Tom Payne
Morrison Knudsen Corp.
PHONE: 812-854-6941
FAX: 812-854-6944

FROM: Adrienne P. Townsel Wilson
South Div
PHONE: 803-743-0582
FAX: 803-743-0465

RE: USEPA comments to IM Work Plan for SWMUs14 & 17 and General Project Plan

CC:

Number of pages including cover sheet: 9

Message

Tom,

These are USEPA 's comments to the subject documents. I asked Carol to fax me what she will have signed out of the office: I stamped it draft only because there is no signature on the letter yet.

VR,

Adrienne

NSWC - CRANE			
4324-0009			
PROJECT MEMBER	ACT	INFO	INIT
PROJECT MANAGER			
PROJECT ENGINEER			
GNL SUPT			
SAFETY AND HEALTH			
QA/QC SUPERVISOR			
PROJECT CONTROLS			
FIELD ENGINEERING			
PMO-CHARLESTON			
FILE:			
FILE:			
FILE:			

DRAFT

This is what I put in sign off 7/21/95. Carol

Ms. Adrienne T. Wilson
Department of the Navy
South NAVFACENGCOM Environmental
Code 1564
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Interim Measures Removal
SWMUs 14/00 and 17/04
Naval Surface Warfare Center
Crane, Indiana
IN5 170 023 498

Dear Ms. Wilson:

The purpose of this letter is to approve the Interim Measures Work Plan and the General Project Plan specifically for Solid Waste Management Units (SWMUs) 14/00 (Sanitary Landfill and Lithium Battery Excavation Area) and 17/04 (PCB Capacitor Excavation Area, with the attached modifications (see Attachment I) to the site-specific work plan dated May 26, 1995, and the General Project Plan dated January 20, 1995. It is our understanding that excavation of the Lithium Battery SWMU shall begin the week of July 24th, 1995. The PCB Capacitors shall also be removed in the next several weeks. Please keep our Agency informed of the progress of the removal. The United States Environmental Protection Agency (U.S. EPA) requires a draft report of the interim measures activity as specified in the operating permit.

The U.S. EPA also approves the draft Interim Measures Geophysical Report for these SWMUs also. Please provide a finalized report within 60 days of the date of this letter.

The U.S. EPA has reviewed the General Project Plans for the Interim Measures activities. Although we are approving the general plan to begin the activities at the two designated SWMUs, the U.S. EPA requires a revised draft of the plan addressing the comments in Attachment II. Because of some detailed problems for several of the other Interim Measures areas, we can not approve the plan as stated for the other SWMUs. Please submit a revised general plan within 60 days of the date of this letter.

3

ATTACHMENT I
Modifications to the Site-Specific Work Plan
and the General Project Plan for
SWMUs 14/00 and 17/04
Naval Surface Warfare Center

A. Site-Specific Work Plan

1. Excavation Sampling

a. A minimum of three discrete samples (evenly distributed) shall be taken from the bottom of the excavation, regardless of the size of the excavation.

b. Samples quantity at the bottom of the excavation shall be based on grid sampling. The size of the grid will be based on the excavation size. No greater than a 50 foot square grid shall be used, without consultation with the Agency.

c. No compositing of excavation samples within the pit shall be taken. All samples shall be discrete.

d. Sidewall sampling shall be based on the size of the excavation. (example: if the length of the hole is 80 linear feet, sidewalls samples shall be taken every 20 linear feet).

e. The Interim Measures Report shall justify all field decisions on the exact sampling grid used and the location of samples (in three dimensions, i.e., on the sidewalls and on the base of the excavation).

f. Samples shall be taken at any visible staining.

2. Background Sampling

a. The Interim Measures Report shall document all background locations.

b. Background samples must be taken within the same geologic unit in comparison to where the samples are taken within the excavation.

3. Integrity of the Batteries and Capacitors

a. The Permittee shall take all precautions necessary to ensure safety of the workers at the site, and in nearby buildings, in the case that the batteries or capacitors are not in good condition and are leaking, etc.

4

b. The contractor shall be prepared for the possibility of accidental damage to the casings while removing the material.

c. In the capacitor area, workers should be informed that a PID or FID is not for use as an indicator of PCB concentration in air. The ionization potential of PCB is too high for detection by a PID, and the chlorinated fluid may reduce the sensitivity of a FID.

DRAFT

4. Excavated Soil Handling

a. Only soil from above the batteries or capacitors, that is probably not impacted by the wastes, may be placed in soil piles.

b. Soil piles must be lined with plastic under them.

c. Any soil potentially in contact with the wastes or leaking materials must be placed in roll-off boxes or other containers. No soil piles may be used. The reason for this is that the materials removed are being handled as hazardous wastes. If there are any residues from the wastes, the soil is also hazardous. Creating "waste piles" would be a violation of land ban requirements of 40 CFR Part 268. Therefore, all materials should be handled in containers for less that 90 days at the excavation area.

5. Water within the Excavation Area

The draft Interim Measures Report must document all handling procedures for any water accumulated in the excavation. Any disposal of the water in the on-site wastewater treatment plant (WWTP) must be handled in accordance with the NPDES permit for that unit. No water that may contain hazardous wastes may be sent to the WWTP.

6. Handling of the capacitors and batteries

When the capacitors and the batteries are removed, they must be managed in a contained area (i.e., diked area).

7. Disposal of the Batteries

All the lithium batteries shall be sent to the on-site demolition range for treatment/disposal. The Demolition range is authorized under Interim Status to accept this waste type and capacity.

5

8. PCB Field Screening

The draft Interim Measures Report shall document all field decisions on the griding and sample locations for testing soil with PCB field screening test kits.

B. General Project Plan

1. Quality Control Plan

a. Vertical Confirmation samples should be taken at an interval of two feet.

b. The Interim Measures Report must describe how background was established.

2. Quality Assurance Project Plan (QAPP)

a. For SWMUs 14/00 and 17/04 the QAPP shall be considered acceptable in order to expedite the removal.

b. In Table 4 of the Sampling and Analysis Plan, reference to Method 624/8280, should be changed to 624/8260.

DRAFT

6

ATTACHMENT II

Comments on the General Project Plan
for Interim Measures
Naval Surface Warfare Center

A. Section 1, Quality Control Plan

1. Vertical Confirmation samples should be taken at an interval of two feet.

2. Definable Features of Work

a. Delete all reference to the ground water treatment system for SWMU 02/11, since that project needs further evaluation on whether it is feasible or not.

b. Delete all references to PCB issues for SWMU 13/14. The PCB issues are not being addressed in the Interim Measures.

c. For SWMU 14/00 the batteries will be disposed of on-site at the Demolition Range.

d. For SWMU 24/00, decontamination water shall go to the WWTP.

e. For SWMUs 25/070 and 26/080, the intent of the Interim Measure is surficial debris removal. Please clarify this.

f. We recommend using the 1993 version of the Model QAPP for the bioremediation issues.

3. Submit a copy of the analytical lab's QAP to the Agency.

4. Support Organizations

Naval Surface Warfare Center shall supply the work concerning disposal of the lithium batteries.

5. Table 4-1

a. Clarify the order of the backfilling and sampling for the units addressed by the composting.

b. Delete reference's to PCBs at Mine Fill B.

c. The lithium batteries shall be disposed on-site.

DRAFT

The governing standard for the Construction Quality Assurance (CQA) of the Dye Burial Grounds CAP shall be the most recent CQA documents (1993 and 1994 versions). (Quality Assurance and Quality Control for Waste Containment Facilities, EPA/600/R-93/182, September 1993; Seminars: Construction Quality Assurance/Construction Quality Control (CQA/CQC) for Waste Containment Facilities, Hydrologic Evaluation of Landfill Performance (HELP) Model, EPA/625/K-94/001, May 1994; Technical Guidance Document: The Fabrication of Polyethylene FML Field Seams, EPA/530/SW-89/069, September 1989; Seminar Publication: Design and Construction of RCRA/CERCLA Final Covers. EPA/625/4-91/025, May 1991)

CAP CQA 600/R-93/182 625/K-94/001 (FML) 530/SW-89/069 1989 625/4- 91/025 1991

6. Testing Plan Log

   a. Reference the site-specific work plan for the Dye Burial Ground standards.

   b. Delete the piping references for the Ammunition Burning Grounds.

   c. Justify all the grid spacings, and reference them on maps or the site-specific plans. The grid spacing seems too large.

   d. Which explosive field screening test kits are being proposed?

   e. Make sure existing delineation data is being utilized to judge area grid sizes.

   f. Clarify the changes in the sampling quantities for SWMU 14/00 and 17/04.

B. Section 2, Quality Assurance Project Plan

   1. The U.S. EPA recommends a reformatting of the document to be consistent with the "Region V Model RCRA Quality Assurance Project Plan" (May 1988).

   2. Objectives

      a. The objective for the Dye Burial Grounds is to provide surficial containment and to prevent infiltration into the unit, not total containment.

      b. Will the Interim Measures actions wait for the Risk Assessment numbers to be established?

      c. Delete the reference to the ground water pump and treat system at the Ammunition Burning Grounds.

      d. Delete the reference to PCBs at Nine Fill B.

DRAFT

8

e. Clarify that the Highway Dump Sites are having surficial debris removal only. And, the purpose behind any soil sampling.

3. Table 2-1

Under Data Quality add permeability standard for the drainage layers, thicknesses of synthetic materials and the amount of testing per linear feet of materials.

C. Section 3, Environmental Protection Plan

1. Delete the reference to the ground water pump and treat system at the Ammunition Burning Grounds.

2. Delete the reference to PCBs at Mine Fill B.

3. Any discharges to streams must be in compliance with the Clean Water Act.

4. Activities potentially impacted species in the area, should have informal consultation with the Agency prior to the activities. Address the plans for the ecological assessments under separate covers.

5. All wetlands shall be protected unless a 404 permit is approved. There should be no "insignificant" disturbances.

6. The Permittee must comply with the National Historic Preservation Act.

D. Section 4, Waste Management Plan

1. All temporary storage areas must be <90 days accumulation areas.

2. Delete reference to a Corrective Action Order since all actions are required under the permit.

DRAFT

RECEIVED
JUL 17 1995
MK-CRANE

MemoFax

Crane Division, Naval Surface Warfare Center
Code 09510, B-2694
Crane, IN 47522-5009

Bill
Info for IA Report
7/17

Date: July 14, 1995

From: Tom Brent

To: Tom Payne

Subj: REVISION TO WORKPLAN

Number of pages following: 1

---

1. The following ~~is~~ are Carol's requested changes to the revised paragraph (4.1.5). Specifically this affects the last two sentences of your proposed wording.

> Once the batteries are placed on pallets or in crates, they will be moved from the EZ to the CRZ for final inspection and preparation for transport to the Demolition Range *on-site* for disposal. The batteries will be disposed of on-site under NSWC Crane's authority granted by their *Interim Status. Lithium Battery disposal is included in the Part A for the Demolition Range.*

2. Please print a new page and either bring it over on Monday, or I can pick it up. I'll stick a cover letter on it then and send it to her.

NSWC - CRANE			
4324-0009			
PROJECT MEMBER	ACT	INFO	INIT
PROJECT MANAGER	X		
PROJECT ENGINEER		✓	
GNL SUPT			
SAFETY AND HEALTH			
QA/QC SUPERVISOR		✓	
PROJECT CONTROLS			
FIELD ENGINEERING			
PMO-CHARLESTON			
KF 09/01 to 10/01			
FILE: 11.041.F			
FILE: 10.302.F			
FILE: 12.082.04.F			