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PROJECT COMPLETION REPORT FOR BASE REALIGNMENT AND CLOSURE PARCELS
FAST TRACK SOIL REMOVALS NAS KEY WEST FL
6/1/1999
BECHTEL ENVIRONMENTAL INC

**PROJECT COMPLETION REPORT
FOR
BRAC PARCELS FAST TRACK SOIL REMOVALS
NAVAL AIR STATION KEY WEST, FLORIDA**

DELIVERY ORDER NO. 0101

Prepared for

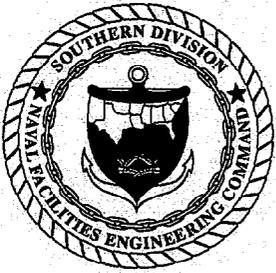
**DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND**

Under Contract No. N62467-93-D-0936



Prepared by

**BECHTEL ENVIRONMENTAL, INC.
OAK RIDGE, TENNESSEE
JUNE 1999
BECHTEL JOB NO. 22567**





327 - 00050

Commanding Officer
Department of Navy, Southern Division
Naval Facilities Engineering Command
Attention: Dudley Patrick
2155 Eagle Drive, P.O. Box 190010
North Charleston, SC 29419-9010

JUN 25 1999

SUBJECT: Bechtel Job No. 22567
Department of Navy Contract No. N62467-93-D-0936
DELIVERY ORDER 101, NAS KEY WEST
FAST TRACK SOIL REMOVALS AT BRAC PARCELS
FINAL COMPLETION REPORT
File code: 1250

Dear Mr. Patrick:

Enclosed is a copy of the final *Completion Report for BRAC Parcels Fast Track Soil Removals*, Delivery Order 101, NAS Key West. The report incorporates comments provided by Tetra Tech NUS and you on the draft report issued May 7, 1999. It further includes those items that were identified as being incomplete in Bechtel's transmittal letter for the May 7, 1999 draft report (i.e., waste management submittals and photographic records).

We have included photographic records of the project in two formats. A compact disc (CD) with digital or scanned electronic photographs is included with each Completion Report sent to a member of the Key West Partnering Team. The CD contains a companion MS Word file with an index of the photographs (.jpg files). Other recipients on the distribution list will receive a copy of the report containing color copies of the same group of photographs. Upon request, we can provide additional copies of the CD containing the photographic records.

If you have any questions about the Completion Report or other aspects of this delivery order, please do not hesitate to call me at (423) 220-2406.

Sincerely

J. Robin Manning
Project Engineer

Enclosures: 1) *Final Completion Report for BRAC Parcels Fast Track Soil Removals* (w/CD)
2) *Final Completion Report for BRAC Parcels Fast Track Soil Removals* (w/color copies)

cc: Mr. Ron Demes, Public Works Department, NAS Key West (w/encl. 1)
cc: Mr. Phillip Williams, Public Works Department, NAS Key West (w/encl. 1)
cc: Mr. Charles Bryan, Tetra Tech NUS, Aiken Office (w/encl. 1)
cc: Mr. Turpin Ballard, EPA Region 4, Atlanta, GA (w/encl. 1)
cc: Mr. Jorge Caspary, FDEP, Tallahassee Office (w/encl. 1)
cc: Mr. Mark Ewing, ROICC Office, NAS Key West (w/encl. 2)
cc: Ms. Mimi Stafford, RAB Member (w/encl. 2)
cc: Ms. Robin Orandi, RAB Member (w/encl. 2)
cc: Ms. Rhonda Hagg, RAB Member (w/encl. 2)
cc: Mr. Michael Ingram, RAB Member (w/encl. 2)



JUL 1 1999

Commanding Officer
 Department of Navy, Southern Division
 Naval Facilities Engineering Command
 Attention: Dudley Patrick
 2155 Eagle Drive, P.O. Box 190010
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SUBJECT: Bechtel Job No. 22567
 Department of Navy Contract No. N62467-93-D-0936
DELIVERY ORDER 101, NAS KEY WEST
FAST TRACK SOIL REMOVALS AT BRAC PARCELS
FINAL COMPLETION REPORT - ERRATA NO. 1
 File code: 1250

Dear Mr. Patrick:

On June 25, 1999, Bechtel distributed the final *Completion Report for BRAC Parcels Fast Track Soil Removals*, Delivery Order 101, NAS Key West to the Navy, the Key West Partnering Team, and the RAB members. In reviewing an internal copy of the report, we noted a minor error in the captions for the photos of work performed at Seminole Battery. Captions for both the electronic files on the compact disc and the hardcopies of the photos mistakenly identified Seminole Battery as part of BRAC Parcel E. This is in error, and the correct parcel reference for Seminole Battery should have been Parcel D. This correction is applicable to photos BRAC 27.jpg, BRAC 30.jpg, and BRAC 32.jpg.

Per our discussion by phone on June 30, 1999, Bechtel is issuing this "errata letter" to notify recipients of the final report to annotate this correction in their individual copies. We apologize for any inconvenience this may cause. If you have any questions about the Completion Report or other aspects of this delivery order, please do not hesitate to call me at (423) 220-2406.

Sincerely

J. Robin Manning
 Project Engineer

cc: Mr. Ron Demes, Public Works Department, NAS Key West
 cc: Mr. Phillip Williams, Public Works Department, NAS Key West
 cc: Mr. Charles Bryan, Tetra Tech NUS, Aiken Office
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 cc: Mr. Michael Ingram, RAB Member

COMPLETION REPORT
FOR
BRAC PARCELS FAST TRACK SOIL REMOVALS
DELIVERY ORDER NO. 0101
AT
NAVAL AIR STATION KEY WEST, FLORIDA

Prepared for

DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND

Under Contract No. N62467-93-D-0936

Prepared by

BECHTEL ENVIRONMENTAL, INC.
OAK RIDGE, TENNESSEE

June 1999

Bechtel Job No. 22567

CONTENTS

	Page
FIGURE	iv
TABLES	iv
ACRONYMS AND ABBREVIATIONS	v
UNITS OF MEASUREMENT	v
EXECUTIVE SUMMARY	ES-1
1.0 INTRODUCTION	1
1.1 SITE DESCRIPTION	1
2.0 SCOPE OF WORK	2
2.1 MOBILIZATION	2
2.1.1 Preconstruction Activities	2
2.1.2 Site Preparations	5
2.2 QUANTITY OF MATERIAL HANDLED/REMEDIATED	5
2.2.1 Waste Management	5
2.2.2 Quantity of Backfill	8
2.3 DEMOLITION	8
2.4 SUBCONTRACTING	8
3.0 EXECUTION OF WORK	8
4.0 PERMITS	11
4.1 ENVIRONMENTAL RESOURCE PERMIT	11
4.2 PERMITTED WORK PERFORMED	12
5.0 CONFIRMATION SAMPLING	12
6.0 SCHEDULE	13
7.0 DEMOBILIZATION	13
8.0 MAJOR PROBLEMS ENCOUNTERED/DELAYS/INNOVATIVE/ COST EFFECTIVE SOLUTIONS	13
8.1 MAJOR PROBLEMS ENCOUNTERED	13
8.2 DELAYS	16
8.3 INNOVATIVE/COST EFFECTIVE SOLUTIONS	16
9.0 PHOTOGRAPHIC RECORDS	16
REFERENCES	R-1

ATTACHMENT – PHOTOGRAPHS

APPENDIXES

- A Figures and As-Built Sketches
- B Preconstruction Meeting Agenda/Meeting Minutes
- C Waste Transport and Disposal Records
- D Backfill Laboratory Analytical Results
- E Subcontractors and Lower-Tier Vendors
- F Wetlands Permits and Correspondence

FIGURE

Number	Title	Page
6-1	Project Schedule	14

TABLES

Number	Title	Page
2-1	Contaminants of Concern and Soil Clean-Up Goals	3
2-2	Summary of Quantities Excavated and Disposed	6
3-1	Summary of Soil Removal Activities.....	9

ACRONYMS AND ABBREVIATIONS

AES	American Environmental Services
Bechtel	Bechtel Environmental, Inc.
BRAC	Base Realignment and Closure
COC	contaminant of concern
DRMO	Defense Reutilization and Marketing Office
EPA	Environmental Protection Agency
FDEP	Florida Department of Environmental Protection
NTR	Navy Technical Representative
PAH	polyaromatic hydrocarbons
PCBs	polychlorinated biphenyls
RAC	Response Action Contractor
RCRA	Resource Conservation and Recovery Act
ROICC	Resident Officer in Charge of Construction
RWP	Remedial Work Plan
SOUTHDIV	Naval Facilities Engineering Command, Southern Division
TSDf	Treatment, Storage or Disposal Facility

UNITS OF MEASUREMENT

$\mu\text{g}/\text{kg}$	micrograms per kilogram
ft	foot
mg/kg	milligrams per kilogram
mL	milliliter
ppb	parts per billion
ppm	parts per million
yd^3	cubic yards

EXECUTIVE SUMMARY

This report describes the Fast Track Soil Removal Actions performed by Bechtel Environmental, Inc. (Bechtel) to remediate various Base Realignment and Closure (BRAC) parcels at Naval Air Station Key West, Florida (NAS Key West). The work was performed under Delivery Order 0101, and in accordance with the Action Memorandum prepared by Tetra Tech NUS and approved by the Florida Department of Environmental Protection on February 11, 1999. The parcels located at Truman Annex included:

- Defense Reutilization and Marketing Office (DRMO) Waste Storage Area (BRAC Parcel C–Subzones 3 and 4)
- DRMO Waste Storage Area , Building 261 (BRAC Parcel C–Subzone 1)
- Seminole Battery (BRAC Parcel D–Subzone 1)
- Former Lube Area , Building 223 (BRAC Parcel F–Subzone 1)
- Former Hazardous Waste Storage Area, Building 223 (BRAC Parcel F–Subzone 3)
- Former Location of Building 136 (BRAC Parcel E–Subzone 2)
- Buildings 102, 103, and 104 (BRAC Parcel E–Subzones 3 and 9)

Three additional sites were located at the Hamaca Hawk Missile Site:

- Sewage Lift Station (BRAC Parcel A–Subzone 4)
- Wetland Area Adjacent to Government Road (BRAC Parcel A–Subzone 9)
- Pond Sediments (BRAC Parcel A–Subzone 9)

Site locations are shown on the figures included in Appendix A. The objective of this work was to perform “Fast Track Soil Removals” by excavation and disposal of contaminated soils. Field activities at each location included removal of contaminated soil to depths ranging from 2 ft to 6 ft, collection of samples by Tetra Tech NUS to verify that all contaminated soil had been removed, and backfilling of excavated areas with clean fill material.

All documents, including state and federal approval letters, are contained in the Information Repository located at the Monroe County Public Library at 700 Fleming Street in Key West, Florida.

1.0 INTRODUCTION

Bechtel Environmental, Inc. (Bechtel) was contracted by the Department of the Navy, Naval Facilities Engineering Command, Southern Division (SOUTHDIR), to provide remedial services as the Navy's Environmental Response Action Contractor (RAC). Under Delivery Order 0101 of Prime Contract N62467-93-D-0936, Bechtel was contracted to prepare a Remedial Work Plan (RWP) and perform field work for the "Fast Track Soil Removals" of contaminated soils at the Base Realignment and Closure (BRAC) Parcels at Naval Air Station (NAS) Key West.

Nine parcels were identified as surplus properties and have been investigated for environmental concerns. The results of these site investigations are contained in *the Site Inspection (SI) Report for Nine BRAC Parcels* prepared by Tetra Tech NUS, dated June 1998. The nine BRAC parcels included in the SI report are as follows:

- Hamaca Hawk Missile Site (Parcel A)
- East Martello Battery (Parcel B)
- Truman Annex (Parcels C, D, E, F, and K)
- Trumbo Point (Parcels H and I)

As a result of soil sampling activities, soil at these five sites was found to be contaminated with concentrations of lead, arsenic, polychlorinated biphenyls (PCBs), polyaromatic hydrocarbons (PAHs), and pesticides in excess of the screening action levels established for residential or industrial future use scenarios. Previous waste disposal practices and operations associated with activities at the five various sites were determined to be the cause of the soil contamination. The objectives of the "Fast Track Soil Removals" were to remove soils that exceeded the actions levels, as developed by Tetra Tech NUS for the contaminants of concern (COCs) (i.e., lead, arsenic, PCBs and pesticides) and to backfill the sites with clean soil. The specific parcels included in the scope of this removal action were Parcels A, C, D, E, and F. No soil removals were required as part of this removal action at the East Martello Battery (Parcel B), Truman Annex (Parcel K), and Trumbo Point (Parcels H and I).

1.1 SITE DESCRIPTION

Several installations in various parts of the lower Florida Keys comprise NAS Key West. The U.S. Navy manages 6,323 acres of land divided into 20 separate tracts in the lower Florida Keys, concentrated around Key West and Boca Chica Key in Southern Monroe County. The missions for NAS Key West are changing and the resulting realignment of aviation operations, a research laboratory, communications intelligence, and several other activities has resulted in properties that are no longer needed by NAS Key West to support its ongoing mission. The areas requiring soil removal are described in the following sections.

Hamaca Hawk Missile Site

The Hamaca Hawk Missile Site is located on Government Road to the northwest of Key West International Airport. This site is adjacent to salt ponds and Mangrove wetlands. See Appendix A for a figure showing the location of this site. The filling of salt ponds by the U.S. Army in 1964 created the upland area of the Hawk Missile Site. This site was built as a defense site during the Cuban Missile Crisis in 1962. The site was transferred to the Navy in the early 1980s and has not been actively used for the Navy's mission at NAS Key West.

Truman Annex

The Truman Annex BRAC Parcels included in this Completion Report (see Appendix A for figures showing locations of each site) are:

- Parcel C – DRMO Waste Storage Area
- Parcel D – Seminole Battery
- Parcel E – Buildings 102, 103, and 104 and former location of Building 136
- Parcel F – Building 223

The Navy has had a presence at Truman Annex since 1823. The Army used part of Truman Annex in 1845 to build Fort Zachary Taylor. Seminole Battery was built during the Civil War. From 1909 to 1919, the Army filled salt ponds in the Truman Annex area to enlarge the available space. From 1940 until 1970, the Navy berthed submarines at the turning basin at Truman Annex. Most of the buildings that were located along the turning basin were used to support the submarine operations and have since been demolished.

2.0 SCOPE OF WORK

SOUTHDIV defined the objective of the “Fast Track Soil Removals” as contaminant source removal from the five BRAC parcels that exhibited elevated levels of contaminants of concern. Table 2-1 is a list of the COCs at each parcel, their maximum concentration or range of concentrations detected during previous sampling, and the soil clean-up goals.

The Bechtel scope of work for the “Fast Track Soil Removals” included the following activities at each site:

- Establish excavation boundaries (with the assistance of Tetra Tech NUS personnel in accordance with previous sampling data)
- Remove heavy vegetation overgrowth, scrap metal and other debris, as applicable
- Remove contaminated soils and sediments at depths ranging from 2 ft to 6 ft
- Backfill excavated areas, except for the pond at the Hamaca Hawk Missile Site, with clean soil.

Tetra Tech NUS, as part of ongoing partnering efforts, provided onsite personnel to assist in delineation of excavation boundaries, performance of field screening analyses for lead using the Palintest Scanning Analyzer method, and collection of confirmation soil samples for offsite laboratory analysis.

2.1 MOBILIZATION

Bechtel mobilized a Site Superintendent, a Safety and Health Representative, one operator, and two laborers to NAS Key West on January 11 and 13, 1999, to perform the fieldwork.

2.1.1 Preconstruction Activities

A pre-construction meeting was held on January 12, 1999, before field activities began. The meeting was conducted by SOUTHDIV, NAS Key West Base Environmental staff, and the Navy Technical Representative (NTR). Representatives from the NAS Key West Public Works and Engineering Departments were present, in addition to Bechtel, Tetra Tech NUS, and American Environmental Services (AES) field staff members as shown on the sign in sheet in Appendix B.

Table 2-1
Contaminants of Concern and Soil Clean-Up Goals

Site Name	Contaminants of Concern	Concentrations mg/kg^a or µg/kg^b	Soil Clean-Up Goals mg/kg^a or µg/kg^b
Hamaca Hawk Missile Site, BRAC Parcel A – Subzone 4, Sewage Lift Station	Arsenic	6 – 28.8 ^a	2.7 ^a
Hamaca Hawk Missile Site, BRAC Parcel A – Subzone 9*, Wetland Area Adjacent to Government Road *During Site Inspection Sampling, this area was saturated; therefore, action levels for sediment were used.	Aluminum	3,680 – 4,180 ^a	2,664 ^a
	Lead	63.4 – 81.6 ^a	34.8 ^a
	Vanadium	11.5 – 14.4 ^a	10.44 ^a
	DDE	3.1 – 7.5 ^b	2.07 ^b
Hamaca Hawk Missile Site, BRAC Parcel A – Subzone 9*, Pond Sediments *During Site Inspection Sampling, this area was saturated; therefore, action levels for sediment were used.	Cadmium	0.76 – 0.89 ^a	0.676 ^a
	Lead	63.4 – 81.6 ^a	34.8 ^a
	DDE	3.1 – 7.5 ^b	2.07 ^b
	Bis(2-ethylhexyl) phthalate	710 ^b	182 ^b
	Butylbenzyl phthalate	292 ^b	63 ^b
Truman Annex DRMO Waste Storage Area, Parcel C, Subzone 1, Bldg. 261	Lead	978 ^a	500 ^a
	Polychlorinated biphenyls (PCBs) – Aroclor 1260	2,700 ^b	900
	Benzo(a)pyrene	189 – 478 ^b	100 ^b
Truman Annex DRMO Waste Storage Area, Parcel C, Subzones 3 and 4, DRMO Waste Storage Area	Arsenic	1.4 – 2.7 ^a	2.7 ^a
	Lead	286 – 2,110 ^a	500 ^a
	Benzo(a) anthracene	626.1 – 1,870 ^b	1,400 ^b
	Benzo(a) pyrene	44.7 – 1,220 ^b	100 ^b
	Benzo(b) fluoranthene	626.1 – 1,480 ^b	1,400 ^b
	Dibenzo(a,h) anthracene	44.7 – 387 ^b	100 ^b

Table 2-1 (continued)

Site Name	Contaminants of Concern	Concentrations mg/kg ^a or µg/kg ^b	Soil Clean-Up Goals mg/kg ^a or µg/kg ^b
Truman Annex Seminole Battery BRAC Parcel D, Subzone 1	Arsenic	2.7 ^a	2.7 ^a
	Benzo(a) pyrene	505 ^b	100 ^b
	Benzo(b) fluoranthene	1,900 ^b	1,400 ^b
Truman Annex Buildings 102, 103, and 104 BRAC Parcel E – Subzone 2, Former Location of Building 136	Arsenic	1.19 – 1.6 ^a	2.7 ^a
	Benzo(a) pyrene	284 - 765 ^b	100 ^b
	Benzo(b)fluoranthene	1,510 ^b	1,400 ^b
	Indeno(1,2,3-cd)pyrene	1,470 ^b	1,400 ^b
Truman Annex Buildings 102, 103, and 104 BRAC Parcel E – Subzones 3 and 9, Buildings 102, 103 and 104	Benzo(a) pyrene	190 – 517 ^b	100 ^b
	Ideno(1,2,3-cd) pyrene	1,650 ^b	1,400 ^b
	Aroclor-1254	1,820 – 2,160 ^b	900 ^b
Truman Annex Building 223, BRAC Parcel F – Subzone 1 – Former Lube Area	Arsenic	5.2 ^a	2.7 ^a
Truman Annex Building 223, BRAC Parcel F – Subzone 3 – Former Hazardous Waste Storage Area	Arsenic	16.8 ^a	2.7 ^a

2.1.2 Site Preparations

Before beginning excavation activities at each site, the boundaries of the area or areas to be excavated were delineated based on previous soil sampling data. If required, clearing of vegetation was done at the sites to facilitate access for the excavation equipment and waste transport vehicles.

A utility walkdown was performed at each location by Bechtel, AES, and Tetra Tech NUS personnel accompanied by representatives from the NAS Key West Public Works Department to identify locations of underground and overhead utility interferences. In addition to this walkdown, a cable locator was used by Bechtel and Tetra Tech NUS personnel to locate buried utilities. The utilities were marked and hand digging was performed, as needed in areas where adjacent utility lines were within the excavation boundaries, to provide exposure of the line and facilitate excavation activities.

2.2 QUANTITY OF MATERIAL HANDLED/REMEDIATED

The estimated quantity of soil to be excavated from the BRAC parcel sites was 8,264 yd³ or 10,738 tons. The actual quantity of hazardous and nonhazardous soil excavated and disposed for the BRAC parcel sites was approximately 21,849 tons nonhazardous and 360.7 tons hazardous (i.e., lead- and PCB-contaminated soil). The soil disposed consisted of sandy soil, and various sizes of gravel and rock. Table 2-2 identifies each parcel, the estimated quantity to be excavated, the actual quantity excavated, transporter, and the disposal facility for the waste from each site.

Records pertaining to shipment of both hazardous and non-hazardous wastes are included in Appendix C. A summary table is provided that lists data on each truckload of contaminated soil including manifest number, date loaded, the transporter, and the truck/trailer numbers. A representative copy of the manifest used for non-hazardous waste transport and disposal is included with the table. Copies of all hazardous waste manifests are reproduced in Appendix C. Manifests have been assigned a two-character identifier as follows:

<u>Manifest Identifier</u>	<u>Parcel</u>
HM	Parcel A, Subzones 4 and 9: Hamaca Hawk Missile Site
DR	Parcel C, Subzones 1,3, and 4: Defense Reutilization and Marketing Office (DRMO) Waste Storage Area
TA	Parcel D, Subzone 1: Seminole Battery
	Parcel E, Subzones 2, 3, and 9: Buildings 102, 103, 104 and former location of Building 136
	Parcel F, Subzone 1: former Lube Area

2.2.1 Waste Management

Remediation waste generated during the "Fast Track Soil Removals" was managed in accordance with the *Environmental Response Action Contract Waste Management Plan* (Bechtel 1995). Wastes generated were classified based on the analytical data collected during the prior site investigations performed by Tetra Tech NUS. The results of these investigations are summarized in two reports.

- *Site Inspection Report for Nine BRAC Parcels, Naval Air Station Key West*, Revision 1, December 1998, Tetra Tech NUS

**Table 2-2
Summary of Quantities Excavated and Disposed**

Site	Estimated Quantity Soil to be Excavated (yd ³ /tons)	Actual Quantity Soil Excavated (yd ³ /tons)	Transporter	Disposal Facility
Nonhazardous Waste Stream				
Hamaca Hawk Missile Site, BRAC Parcel A – Subzone 4, Sewage Lift Station	50/65	45.8/59.6	Waste Management/Soil Tech	Medley Landfill, Medley, FL
Hamaca Hawk Missile Site, BRAC Parcel A – Subzone 9, Wetland Area Adjacent to Government Road	50/65	44.6/58	Waste Management/Soil Tech	Medley Landfill, Medley, FL
Hamaca Hawk Missile Site, BRAC Parcel A – Subzone 9, Sediment Pond	90/117	48.4/62.9	Waste Management/Soil Tech	Medley Landfill, Medley, FL
Truman Annex DRMO Waste Storage Area, Parcel C, Subzone 1, Bldg. 261	400/520	301.1/391.5	Rinker Transport	Rinker Environmental Services, Miami, FL
Truman Annex DRMO Waste Storage Area, Parcel C, Subzones 3 and 4, DRMO Waste Storage Area	6,050/7,865	12,173/15,826	Waste Management/Soil Tech	Medley Landfill, Medley, FL
			Rinker Transport	Rinker Environmental Services, Miami, FL
			Waste Management/Soil Tech	Medley Landfill, Medley, FL
Truman Annex Seminole Battery BRAC Parcel D, Subzone 1	50/65	61.5/80	Rinker Transport	Rinker Environmental Services, Miami, FL
Truman Annex Buildings 102, 103, and 104 BRAC Parcel E – Subzone 2, Former Location of Building 136	550/715	2,967/3,857	Rinker Transport	Rinker Environmental Services, Miami, FL
			Waste Management/Soil Tech	Medley Landfill, Medley, FL
Truman Annex Buildings 102, 103, and 104 BRAC Parcel E – Subzones 3 and 9, Buildings 102, 103, and 104	920/1,196	1,022/1,329.16	Rinker Transport	Rinker Environmental Services, Miami, FL
			Waste Management/Soil Tech	Medley Landfill, Medley, FL
Truman Annex Building 223, BRAC Parcel F – Subzone 1 – Former Lube Area	50/65	61.5/80	Rinker Transport	Rinker Environmental Services, Miami, FL
Truman Annex Building 223, BRAC Parcel F – Subzone 3 – Former Hazardous Waste Storage Area	50/65	61.7/80	Rinker Transport	Rinker Environmental Services, Miami, FL

Table 2-2 (continued)

Site	Estimated Quantity Soil to be Excavated (yd ³ / tons)	Actual Quantity Soil Excavated (yd ³ /tons)	Transporter	Disposal Facility
Hazardous Waste Stream – Lead^a				
Truman Annex DRMO Waste Storage Area, Parcel C, Subzones 3 and 4, DRMO Waste Storage Area	0	172.6/224.9	Wills Trucking, Inc.	LWD, Calvert City, KY
Hazardous Waste Stream – Polychlorinated Biphenyls (PCBs)^b				
Truman Annex DRMO Waste Storage Area, Parcel C, Subzones 3 and 4, DRMO Waste Storage Area	0	104.5/135.8	Wills Trucking, Inc. Robbie D. Wood	Emelle, AL

^aIncludes lead-contaminated soil excavated adjacent to Fort Zachary Taylor entrance road and from confirmation soil sample location C3-CONF-60

^bRepresents PCB-contaminated soil from DRMO Waste Storage Area, Parcel C, Subzone 3 near water tower.

- *Supplemental Site Inspection Report for BRAC Parcels at Truman Annex, Naval Air Station Key West, Revision 0, December 1998, Tetra Tech NUS*

In addition, field sampling data was available to support determination of lead concentrations, using the Palintest Scanning Analyzer method.

2.2.2 Quantity of Backfill

Backfill was obtained from Rinker Materials Corporation and consisted of clean, limerock base lawn screenings. This material is a natural, virgin product mined from either the Rinker Lake or Krome Quarries. Samples were obtained from three random loads of backfill material (one for the Rinker Lake Quarry and two for the Krome Quarry) and analyzed for semi-volatile organic compounds and metals. No contamination above background levels for naturally occurring metals was detected. Copies of the analytical data for these samples are included in Appendix D.

Approximately 21,933 tons of clean fill were delivered to the various BRAC parcel sites and placed into the excavations. No backfill was required or used for the excavation of the sediment pond area at the Hamaca Hawk Missile Site (Parcel A, Subzone 9).

2.3 DEMOLITION

No demolition of facilities was required at any BRAC parcels except for the removal of cable trays from the sediment pond area at the Hawk Missile Site.

2.4 SUBCONTRACTING

A list of all subcontractors and lower-tier vendors participating in the "Fast Track Soil Removals" is provided in Appendix E.

3.0 EXECUTION OF WORK

The remediation method selected for the "Fast Track Soil Removals" was removal of contaminated soils to depths ranging from 2 ft to 6 ft, containerization, and offsite disposal in either a RCRA Subtitle C or a Subtitle D landfill.

As-built sketches for each BRAC parcel excavation are provided in Appendix A. These sketches show the original excavations planned for each parcel as well as any additional excavation directed by confirmation soil sampling to ensure that contaminants were reduced to acceptable concentrations (i.e., soil clean-up goals). In some locations where confirmation sample data indicated that contaminants of concern remained, but only slightly above the soil clean-up goals, a discussion was held with members of the Key West Partnering Team to decide whether additional excavation of these "hot spots" was practicable.

The following table summarizes the excavation, backfill, transport, and disposal activities conducted during the "Fast Track Soil Removals."

**Table 3-1
Summary of Soil Removal Activities**

WEEK	DESCRIPTION OF ACTIVITIES
11 January – 15 January	Mobilized site personnel Bechtel and subcontractor, American Environmental Services (AES) on 11 January and 13 January. Held Pre-Construction Meeting with Navy, Bechtel, AES, and Tetra Tech NUS personnel on 12 January. Appendix B contains agenda, list of attendees and minutes from this meeting. Began layout of excavation boundaries at each of the Truman Annex BRAC parcels, and conducted underground utility location walkdowns with NAS Key West Public Works personnel. Excavation of contaminated soil was begun in Parcel C, Subzone 4 grids of the DRMO Waste Storage Area. Excavated soil was stockpiled in preparation for transport to the disposal facility.
18 January – 23 January	Continued excavation of contaminated soil in Parcel C, Subzone 4 grids at DRMO Waste Storage Area. Gathered scrap metal debris in Parcel C, Subzone 4 in preparation of transport to disposal facility. Received first 11 loads of clean, limerock base material for backfill from waste transporter, Rinker Transport, and shipped first 11 loads of contaminated soil from this parcel to disposal facility (Rinker Materials Corporation) on 19 January. Tetra Tech NUS personnel began collection of confirmation soil samples for offsite laboratory analysis. Total backfill material received this week was 2,392.44 tons (102 loads). Total contaminated soil shipped to disposal facility this week was 2,318.52 tons (101 loads).
25 January – 29 January	Excavation activities continued in Parcel C, Subzone 4 grids at DRMO Waste Storage Area. Began backfilling open areas of the excavation where confirmation soil sampling had been performed. Tetra Tech NUS personnel continued collection of confirmation soil samples. Total backfill material received this week was 2,594.98 tons (110 loads). Total contaminated soil shipped to disposal facility this week was 2,541.54 tons (110 loads).
1 February – 5 February	Continued excavation in Parcel C, Subzone 4 grids and began excavation of Subzone 3 grids at DRMO Waste Storage Area. Confirmation soil sampling continued. Backfill and compaction of backfill in open areas of the excavations was performed. Confirmation soil sampling performed by Tetra Tech NUS personnel. Total backfill material received this week was 3,174.93 tons (133 loads). Total contaminated soil shipped to disposal facility this week was 3,265.34 tons (136 loads).
8 February – 13 February	Continued excavation, backfill, and compaction activities in Parcel C, Subzones 3 and 4 of DRMO Waste Storage Area. Scrap metal debris was removed from Parcel C, Subzone 4 area on 11 February and 13 February by a local contractor (approximately 5 loads total). Delineated a 6-in. water line in Subzone 3, Grid C3-SS22, and delineated a 16 in. main water line in Subzone 3, Grids C3-SS24 and C3-SS29. The shutoff valves for these lines were also found and marked. Tetra Tech NUS personnel collected confirmation soil samples. Total backfill material received this week was 2,629.03 tons (111 loads). Total contaminated soil shipped to the disposal facility this week was 2,557.34 tons (111 loads).
15 February – 19 February	Continued excavation, backfill, and compaction activities in Parcel C, Subzone 3 at DRMO Waste Storage Area. Disposed of 5 loads of scrap metal debris with a local contractor. A telephone sensor line to the water tower valve pit was cut during excavation in Grid C3-SS27 of Parcel C, Subzone 3, on 16 February. The line breakage was reported, and repairs were made by NAS Key West Public Works personnel. An 8-in. PVC water line in Grids C3-SS25 and C3-SS28 was broken during excavation in those areas on 17 February. This line was not identified on any drawings, and the PVC material was not picked up by the pipe locator. The damage was reported, and the line was repaired by NAS Key West Public Works personnel. Total backfill material received this week was 2,272.24 tons (96 loads). Total contaminated soil shipped to the disposal facility this week was 2,186.72 tons (95 loads).
22 February – 27 February	No backfill was received, and no contaminated soil was shipped on 22 February. Continued excavation activities in Parcel C, Subzone 3 around water tower, and in other grid areas. Backfilled and compacted open areas of the excavation. Bechtel was informed that waste transport trucks could no longer arrive onsite before to 0730 hours. The daily work schedule was revised accordingly. Contaminated soil was excavated from Parcel F, Subzone 1 (Seminole Battery, the former Hazardous Waste Storage Area, and the former lubrication areas) on 27 February. Tetra Tech NUS performed confirmation soil sampling. Total backfill material received this week was 1,980.10 tons (84 loads). Total contaminated soil shipped to the disposal facility this week was 1,923.26 tons (84) loads.

Table 3-1 (continued)

WEEK	DESCRIPTION OF ACTIVITIES
1 March – 5 March	Completed excavation of Parcel C, Subzone 3 on 1 March, and began excavation and stockpiling of contaminated soil in Parcel C, Subzone 1 (Bldg. 261). Continued backfill and compaction activities in open excavations in this area. Work was halted for approximately 30 minutes on 3 March due to a severe thunderstorm and numerous lightning strikes. Began excavation activities in Parcel E, Subzone 2 (former location of Bldg. 136), Truman Annex, on 4 March after completing utility walkdown with NAS Key West Public Works personnel. A 6-in. water line was broken on 4 March during excavation activities in Parcel E, Subzone 2 in an area where Bechtel had been assured by Base personnel only a short time earlier that no underground utilities were present. The damage was reported, and NAS Key West Public Works personnel made the necessary repairs. Began backfill and compaction activities in Parcel C, Subzone 2 (Bldg. 261). Confirmation soil sampling performed by Tetra Tech NUS personnel. Total backfill material received this week was 2,185.96 tons (93 loads). Total contaminated soil shipped to the disposal facility this week was 2,583.76 tons (97 loads).
8 March – 12 March	Excavation, backfill, and compaction activities continued at Parcel E, Subzone 2 (former location of Bldg. 136) at Truman Annex. Confirmation soil sampling was done by Tetra Tech NUS personnel. Began using trucks from Waste Management, Inc. to haul contaminated soil for disposal on 8 March. A second disposal facility and waste transporter were added this week due to limitations on truck availability through Rinker. The disposal facility is the Medley Landfill in Medley, Florida, and the waste transporter is Waste Management, Inc. A walkover of the Hawk Missile Site was performed on 9 March with Dudley Patrick (Southern Division), Mark Ewing (NAS Key West ROICC), Phillip Williams (NAS Key West Environmental), Robin Manning and Larry Booth (Bechtel). Total backfill material received this week was 2,224.62 tons (95 loads). Total contaminated soil shipped to the disposal facilities this week was 3,091.60 tons (134 loads).
15 March – 19 March	Continued excavation, backfill and compaction in Parcel E, Subzone 2 (former location of Bldg. 136) at Truman Annex. Began excavation and stockpiling of contaminated soil in Parcel E, Subzones 3 and 9 (Bldgs. 102, 103, and 104). Monitoring of organic vapors in excavation areas showed no action levels exceeded (all readings were <1 ppm). No backfill material was received and no contaminated soil was shipped on 15 and 16 March. Tetra Tech NUS personnel collected confirmation soil samples. Began excavation of additional quantities (“hot spot”) in Parcel C, Subzone 3 and Parcel E, Subzones 3 and 9. Total backfill material received this week was 679.45 tons (29 loads). Total contaminated soil shipped to the disposal facility this week was 669.74 tons (29 loads).
22 March – 26 March	Completed excavation of Parcel C, Subzone 1 (Bldg. 261). Continued backfill and compaction activities in open excavations after confirmation soil sampling was by performed by Tetra Tech NUS personnel. Prepared for excavation of lead-contaminated soil outside fence of Parcel C, Subzone 4 (DRMO Waste Storage Area) along entrance road to Ft. Zachary Taylor. Sampling results indicated soil concentrations for lead were hazardous per the Toxicity Characteristic Leaching Procedure (TCLP) analysis. Eight truckloads of TCLP hazardous soil from Ft. Zachary Taylor entrance road were excavated and shipped to a hazardous waste disposal facility in Calvert City, Kentucky, on 23 and 24 March (4 loads each day). One load of lead-contaminated soil (hazardous) was shipped on 26 March. One load of PCB-contaminated soil was excavated from Parcel C, Subzone 3 (near the water tower) and shipped to a hazardous waste disposal facility in Emelle, Alabama on 26 March and one load was shipped on 27 March. The 48-hour notification of intent to commence work at the Hamaca Hawk Missile site was submitted to the state on 26 March in accordance with Permit No. 440150346-001-ES. Total backfill material received this week was 1,339.84 tons (57 loads). Total nonhazardous contaminated soil shipped this week was 1,045.56 tons (49 loads). Hazardous contaminated soil shipped this week included 200.90 tons (9 loads) of lead-contaminated soil, and 43.44 tons (2 loads) of PCB-contaminated soil.

Table 3-1 (continued)

WEEK	DESCRIPTION OF ACTIVITIES
29 March – 2 April	Excavated (from Parcel C, Subzone 3, near water tower in DRMO Waste Storage Area) and shipped one load of PCB-contaminated soil on 29 March. Eleven loads of concrete debris were removed from Truman Annex sites by a local contractor this week. Equipment and supplies were mobilized to the Hamaca Hawk Missile site on 29 March. Excavation of delineated areas of Parcel A, Subzones 4 and 9 was performed. Jorge Caspary, FDEP, requested, and the Partnering Team agreed, that an additional 10 x 10 x 2 ft area adjacent to monitoring well number 32 be excavated at the Hawk Missile site. This additional work was performed on 30 March. Excavation of original quantities of soil at the Hamaca Hawk Missile site was completed on 31 March, and all areas requiring backfill were filled and compacted. Constructed drying bed for pond sediments in Parcel A, Subzone 9 (Hawk Missile site) on 1 April using geotextile, polyethylene sheeting and hay bales. Removed cable trays, excavated pond sediments, and began hydraulic dredging of pond sediments on 2 April. Dredged sediments were filtered through Geotube to allow water to filter and drain back into the pond. Total backfill received this week was 120.77 tons (five loads). Total nonhazardous contaminated soil shipped this week was 86.80 tons (five loads). Hazardous contaminated soil shipped this week was 21.65 tons (one load) of PCB-contaminated soil.
5 April – 10 April	Continued hydraulic dredging of pond sediments at the Hamaca Hawk Missile site. Bechtel and AES personnel participated in discussions with Tetra Tech NUS regarding analytical results of confirmation soil samples that indicated additional excavation was required at some sites. A consensus was reached, and additional quantities were excavated at the Hamaca Hawk Missile site (Parcel A, Subzone 4 – Sewage Lift Station), Truman Annex (Parcel E, Subzone 2 – Former location of Bldg. 136; Parcel C, Subzone 3 – DRMO Waste Storage Area at location of samples C3-CONF-58 and C3-CONF-60; Parcel C, Subzone 3 – near water tower). Confirmed inventory of tagged government property and began placement of it into locked storage area of Bldg. 112. Shipped 4 truckloads of hazardous soil (one load of lead-contaminated soil and three loads of PCB-contaminated soil) to appropriate waste disposal facilities on 10 April. Demobilized subcontractor (AES) personnel on 10 April. Total backfill received this week was 238.14 tons (20 loads). Total nonhazardous contaminated soil shipped this week was 525.82 tons (25 loads). Hazardous waste shipped this week was 94.22 tons (4 loads).
12 April – 16 April	Packed/shipped Bechtel supplies and equipment. Moved remaining tagged government property into locked storage area of Bldg. 112. Conducted final walk through inspection with ROICC. Demobilized Bechtel personnel from site on 13 April.

4.0 PERMITS

The only permit identified as being required for the “Fast Track Soil Removals” was an Environmental Resource Permit (i.e., wetlands permit) for the soil removal activities at two of the Hamaca Hawk Missile Site locations. The impacted areas are described below:

- Area SD-05 – A shallow, man-made pond, approximately 40 ft by 40 ft. Sediments in the pond were removed using a combination of excavation and vacuum recovery.
- Area SD-08 – An upland vegetated area approximately 25 ft by 25 ft, classified as a wetland based on the presence of wetland indicator plant species.

4.1 ENVIRONMENTAL RESOURCE PERMIT

Wetlands permits were applied for and obtained from the U.S. Army Corps of Engineers and the Florida Department of Environmental Protection (FDEP). Permit number 440150346-001-ES was issued on February 16, 1999. The Jacksonville District of the Corps of Engineers provided a verification that the proposed work at the Hamaca Hawk Missile Site was authorized in accordance with Nationwide Permit No. 27. Copies of these permits and the related correspondence are provided in Appendix F.

In accordance with the permit conditions, a 30-day notice of intent to commence work at the Hamaca Hawk Missile site was submitted to FDEP on March 3, 1999. The 48-hour pre-construction notification was made to FDEP, Marathon Branch Office on March 26, 1999. The permit conditions also require that a notice of completion, including as-built drawings, be submitted within 30 days of work completion. This notice and applicable as-built drawings are being prepared concurrently with this completion report and will be submitted to FDEP by May 10, 1999 (30 days after completion of construction activities).

4.2 PERMITTED WORK PERFORMED

Parcel A, Subzone 9 (Wetland Area Adjacent to Government Road): This area (designated as SD-08 in the wetlands permit) is characteristic of an upland wetland. No water was present during excavation activities due to a lack of rain for several weeks. The excavation boundary was delineated from the previous sampling location and measured 25 × 25 × 2 ft deep. Upon completion of excavation activities, confirmation soil sampling was performed and analytical results indicated that contaminant concentrations for arsenic and DDE had been reduced to below the soil clean-up goals. No additional excavation was required in this area.

Parcel A, Subzone 9 (Pond Sediments): Initial work at this location (designated as SD-05 in the wetlands permit) consisted of the construction of a drying bed in which to place the excavated sediments. This bed was constructed using geotextile fabric and polyethylene sheeting bermed by clean soil and hay bales. In addition, a Geotube was placed to allow water from dredged sediments to drain back into the pond. Before excavation and dredging activities began, the existing cable trays crossing the pond were removed and set aside. Pond sediments were carefully excavated to a depth of 1 ft using a long-reach excavator, and placed in the drying bed. Sediments suspended during excavation activities were allowed to settle overnight before hydraulic dredging was performed to remove sediments from roots of the mangrove bushes that encircle the pond. The dredged sediments and water were passed through the Geotube and the water was drained back into the pond. When dredging was completed, the dried, excavated sediments and the Geotube-contained sediments were loaded for transport to the disposal facility. All materials used for the drying bed and its berm were removed and disposed of with the sediments. No backfill material was placed into or around the pond.

5.0 CONFIRMATION SAMPLING

All sampling activities related to the "Fast Track Soil Removals", except safety and health based monitoring for evaluating personal protection equipment requirements, were performed by Tetra Tech NUS. This included lead field screening using the Palintest instrument, sampling of clean backfill, and confirmation sampling in areas where soil had been excavated. Tetra Tech provided the personnel to collect the samples and coordinated for rapid turnaround in the laboratory to provide analytical data for use by the field crews and the Key West Partnering Team. When confirmatory analytical results indicated exceedance of the soil clean-up goals, those data were evaluated by the Key West Partnering Team and a decision was made if additional excavation should be performed. The Partnering Team also suggested the size of any "hot spot" excavations in areas where soil clean-up goals were not met by the initial soil removal.

A summary of these sampling activities and of the analytical results is being prepared by Tetra Tech NUS. This data will be used in a revision to the *Supplemental Site Inspection Report for BRAC Parcels at Truman Annex, Naval Air Station Key West*. Therefore, Bechtel has not attempted to provide an overall summary of the analytical data in this report.

6.0 SCHEDULE

Figure 6-1 is a schedule listing actual completion dates for the work performed during the construction phase of the project.

7.0 DEMOBILIZATION

Demobilization included decontamination of equipment, cleaning work areas, and removing equipment from the work site. In addition, all tagged government property (e.g., office furniture and hand tools) purchased by Bechtel in the course of various RAC contract work activities at NAS Key West were placed in locked storage in Building 112 at Truman Annex. The key to this storage area was given to the ROICC. The government property inventory is complete but no decision has been made on the transfer property to other Navy contractors. This issue will be resolved as part of the delivery order interim closeout.

8.0 MAJOR PROBLEMS ENCOUNTERED/DELAYS/INNOVATIVE/ COST EFFECTIVE SOLUTIONS

8.1 MAJOR PROBLEMS ENCOUNTERED

Underground Utilities – The most significant problem encountered during the “Fast Track Soil Removals” involved location of underground utilities. NAS Key West Public Works personnel participated in site utility walkdowns and provided the most current information in their files with regard to utility locations, but this information was not always accurate. There were several incidents at the Truman Annex BRAC parcel sites where underground water or other utility lines were encountered and/or broken during excavation activities. In each case, these incidents were the direct result of inadequate or inaccurate information related to underground utility locations.

PCB Contaminated Soil – The RWP anticipated, as a contingency, the possibility of encountering some quantities of hazardous waste. The subcontract with AES included a pay item for transportation and disposal of up to 100 tons of hazardous waste. It was not anticipated, however, that any PCB contaminated soil would be excavated. Approximately 100 tons of PCB contaminated soil was excavated, and a subcontract amendment was required to provide for the transport and disposal of this waste.

Lead Contaminated Soil Quantity Growth – As a result of the lead contaminated soil “hot-spot” excavation, there was also growth in the quantities of hazardous waste. The final quantity of hazardous waste transported was approximately 225 tons or 2.25 times the initial estimate.

Hot-Spot Excavation – The identification of “hot-spots” with elevated lead or PAH levels required continued excavations in areas outside the expected excavation limits. This included the entrance road to Fort Zachary Taylor. Several “hot-spots” were excavated in the area between the former DRMO Waste Storage Area and the entrance road to the Fort. This road is heavily traveled by visitors in cars and by pedestrians. As a safety precaution, the road was temporarily closed during the excavation of the hot-spots, and a temporary access was established into the Fort through alternate streets. Bechtel supported this action by removing fencing and setting up barricades to direct visitors to the temporary access.

Activity ID	Early Start	Early Finish	% Comp	1998					1999										
				MAY	JUN	JUL	AUG	SEP	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DO 101 KW Tasks 1,2,3 p1/2/3 Current																			
TASK1 - SOIL REMOVAL																			
PHASE 1: CONSTRUCTION STABILITY & TECH REVIEW																			
327110001	22MAY98A		100	◆ Delivery Order Award															
327110050	01JUN98A	03JUN98A	100	▲ Site Visit															
327110100	22JUN98A	06JUL98A	100	▲ Phase 1 Technology Selection / Design Review Mtg															
327110200	07JUL98A	13JUL98A	100	▲ Phase 1 Provide Written Comments															
327110300	14JUL98A	20JUL98A	100	▲ Prepare Refined Estimate and Project Schedule															
PHASE 2: PRE-MOBILIZATION ACTIVITIES																			
327120500	06JUL98A	16JUL98A	100	▲ Prepare Phase 3 Estimate & Schedule															
327120200	24AUG98A	29OCT98A	100	▲ Prepare/Submit Work Plan															
327120700	03NOV98A	03NOV98A	100	▲ Attend Pre-Bid Meetings															
327120300	09NOV98A	18DEC98A	100	▲ Prepare Task Specific H&S, QC Plans															
327120400	09NOV98A	18DEC98A	100	▲ Prepare Procurement Documentation															
SITE REMEDIATION																			
TRUMAN ANNEX																			
PARCEL C - Subzones 3 & 4																			
327133030	11JAN99A	15JAN99A	100	▲ Mobilize/Facilities Setup															
327133040	12JAN99A	12JAN99A	100	▲ Precon Meeting/Orientation															
327133050	14JAN99A	14JAN99A	100	▲ Site Layout															
327133060	14JAN99A	14JAN99A	100	▲ Utility Clearance															
327133070	18JAN99A	10APR99A	100	▲ Excavate/Transport/Dispose															
327133080	19JAN99A	10APR99A	100	▲ Confirmation Sampling															
327133100	21JAN99A	10APR99A	100	▲ Backfill/Restore															
PARCEL C - Subzone 1, Bldg 261																			
327133200	14JAN99A	14JAN99A	100	▲ Site Layout															
327133210	14JAN99A	14JAN99A	100	▲ Utility Clearance															
327133220	01MAR99A	08MAR99A	100	▲ Excavate/Transport/Dispose															
327133230	03MAR99A	07MAR99A	100	▲ Confirmation Sampling															
327133240	09MAR99A	10MAR99A	100	▲ Backfill/Restore															
PARCEL F - Subzone 1, Former Lube Area																			
327133300	14JAN99A	14JAN99A	100	▲ Site Layout															
327133310	14JAN99A	14JAN99A	100	▲ Utility Clearance															
327133320	27FEB99A	09MAR99A	100	▲ Excavate/Transport/Dispose															
327133330	28FEB99A	09MAR99A	100	▲ Confirmation Sampling															
327133340	09MAR99A	10MAR99A	100	▲ Backfill/Restore															
PARCEL F - Subzone 3, Former Haz Waste Stor Area																			
327133400	14JAN99A	14JAN99A	100	▲ Site Layout															
327133410	14JAN99A	14JAN99A	100	▲ Utility Clearance															
327133420	27FEB99A	10MAR99A	100	▲ Excavate/Transport/Dispose															
327133430	28FEB99A	10MAR99A	100	▲ Confirmation Sampling															

Project Start	23JUN97	▲ Early Bar
Project Finish	30JUL99	▲ Progress Bar
Data Date	19APR99	▲ Critical Activity
Run Date	06MAY99	

327C

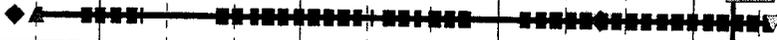
NAS Key West - D.O. 101

Truman Annex - Tasks 1.

Figure 6-1 Project Schedule

Sheet 1 of 2

Activity ID	Early Start	Early Finish	% Comp	1998					1999													
				MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	NOV	DEC
327133440	10MAR99A	11MAR99A	100																			
PARCEL D - Subzone 1 Seminole Battery																						
327133500	14JAN99A	14JAN99A	100																			
327133510	14JAN99A	14JAN99A	100																			
327133520	27FEB99A	11MAR99A	100																			
327133530	28FEB99A	11MAR99A	100																			
327133540	11MAR99A	12MAR99A	100																			
PARCEL E - Subzone 2, Former Loc. of Bldg 136																						
327133600	14JAN99A	14JAN99A	100																			
327133610	14JAN99A	14JAN99A	100																			
327133620	04MAR99A	08APR99A	100																			
327133630	06MAR99A	09APR99A	100																			
327133640	08MAR99A	09APR99A	100																			
PARCEL E - Subzone 3 & 9 - Bldgs 102, 103, 104																						
327133700	14JAN99A	14JAN99A	100																			
327133710	14JAN99A	14JAN99A	100																			
327133720	15MAR99A	18MAR99A	100																			
327133730	15MAR99A	18MAR99A	100																			
327133740	18MAR99A	19MAR99A	100																			
HAWK MISSILE SITE																						
PARCEL A - Subzone 4 Sewage Lift Station																						
327133800	29MAR99A	30MAR99A	100																			
327133810	29MAR99A	30MAR99A	100																			
327133820	29MAR99A	30MAR99A	100																			
327133830	29MAR99A	30MAR99A	100																			
327133840	30MAR99A	31MAR99A	100																			
PARCEL A - Subzone 9, Wetland Area																						
327133850		16FEB99A	100																			
327133860	29MAR99A	30MAR99A	100																			
327133870	29MAR99A	30MAR99A	100																			
327133880	29MAR99A	30MAR99A	100																			
327133890	29MAR99A	30MAR99A	100																			
327133900	30MAR99A	31MAR99A	100																			
PARCEL A - Subzone 9, Pond Sediments																						
327134020	01APR99A	01APR99A	100																			
327134030	02APR99A	02APR99A	100																			
327134040	02APR99A	08APR99A	100																			
327134050	05APR99A	07APR99A	100																			
327134000	09APR99A	16APR99A	100																			
327134060	09APR99A	10APR99A	100																			
327134010	19APR99	07MAY99	0																			
Total	22MAY98A	07MAY99	100																			



█ Backfill/Restore
 █ Site Layout
 █ Utility Clearance
 █ Excavate/Transport/Dispose
 █ Confirmation Sampling
 █ Backfill/Restore
 █ Site Layout
 █ Utility Clearance
 █ Excavate/Transport/Dispose
 █ Confirmation Sampling
 █ Backfill/Restore
 █ Site Layout
 █ Utility Clearance
 █ Excavate/Transport/Dispose
 █ Confirmation Sampling
 █ Backfill/Restore
 █ Site Layout
 █ Utility Clearance
 █ Excavate/Transport/Dispose
 █ Confirmation Sampling
 █ Backfill/Restore
 ◆ Wetlands Permit Received for PARCEL A
 █ Site Layout
 █ Utility Clearance
 █ Excavate/Transport/Dispose
 █ Confirmation Sampling
 █ Backfill/Restore
 █ Site Layout
 █ Utility Clearance
 █ Excavate/Transport/Dispose
 █ Confirmation Sampling
 █ Demobilization
 █ Site Restoration
 █ Closeout/Completion Report

Additionally, Bechtel coordinated with the Fort's Superintendent to provide a rented van for use as a temporary tollbooth at the new entrance.

8.2 DELAYS

Bechtel was able manage the growth in hazardous and nonhazardous waste quantities, "hot-spot" excavations, and coordination with the Fort Zachary Taylor staff without any significant delay to the overall project schedule.

8.3 INNOVATIVE/COST EFFECTIVE SOLUTIONS

- Cost savings were realized for rental, mobilization, and fuel costs for a vibratory roller. The roller was not required, as the rubber tires of the loader placing the clean backfill and tracking of the excavator were satisfactory methods of compaction.
- Cost savings were realized for rental, delivery, and onsite container movement. Roll-off containers were not required due to coordination with the subcontractor to obtain dump trucks to haul and dispose of the contaminated soil without having to use containers.
- High production rates during peak of "spring break" tourist influx. Effective coordination of multiple contractors allowed outstanding production rates (i.e., number of trucks loaded per day) under difficult circumstances with heavy traffic and associated driving problems.
- Cost savings were realized as a result of Bechtel's site safety and health representative also coordinating all tracking and recordkeeping associated with wastes removed from the sites. A waste management specialist was not required due to one person's ability to cover multiple functional responsibilities.
- Delays were avoided in decision making with respect to "hot-spot" excavation through near real-time review of confirmatory sampling results by the Key West Partnering Team.

9.0 PHOTOGRAPHIC RECORDS

Photographs of soil excavation activities at the five BRAC parcels and the Hamaca Hawk Missile Site are included as an attachment to this report. The photographs are captioned with the specific parcel/site and the construction activity.

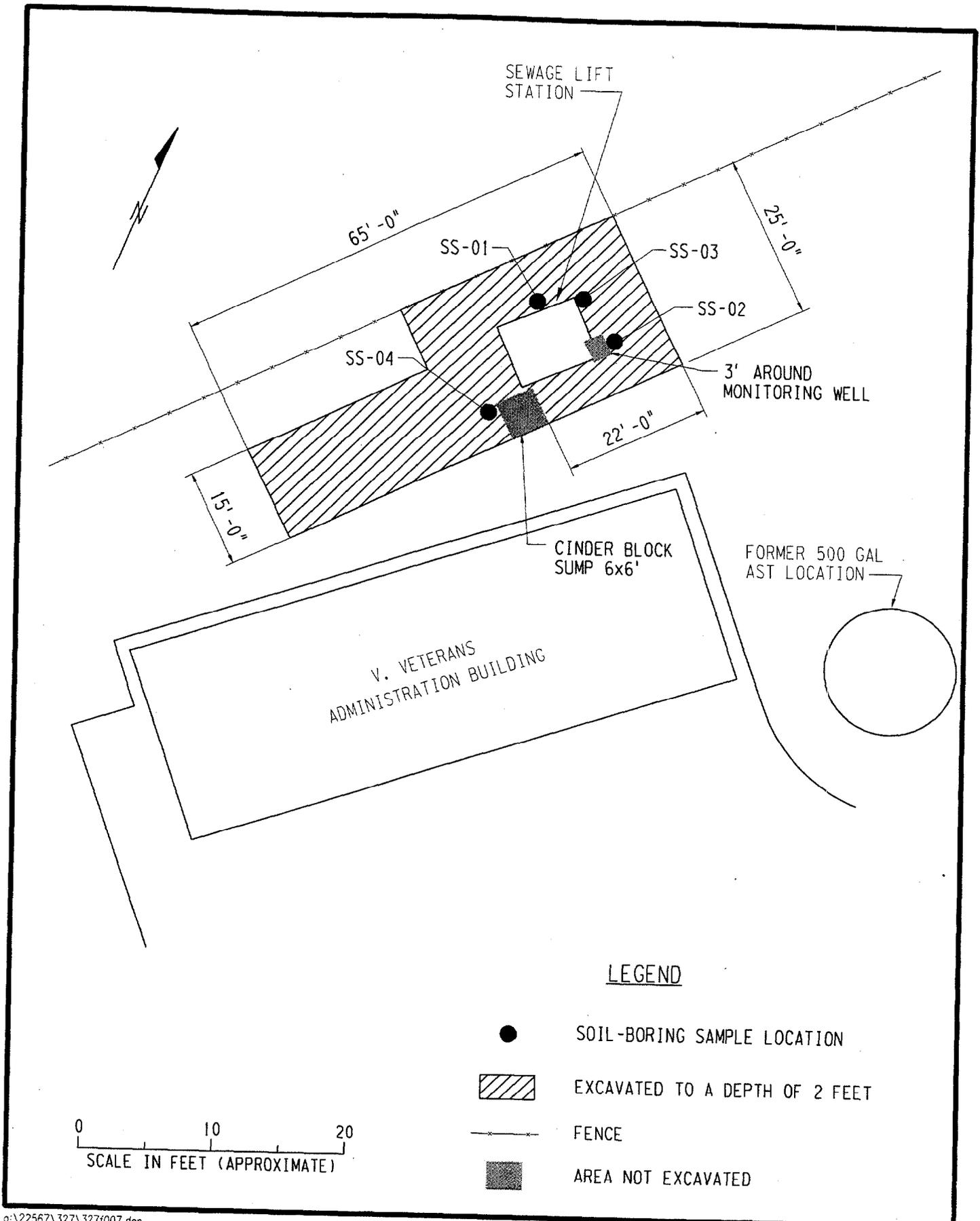
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Bechtel (Bechtel Environmental, Inc.), 1995. *Environmental Response Action Contract Waste Management Plan*.

Tetra Tech NUS, 1998a. *Site Inspection Report for Nine BRAC Parcels, Naval Air Station Key West*, Revision 1. December.

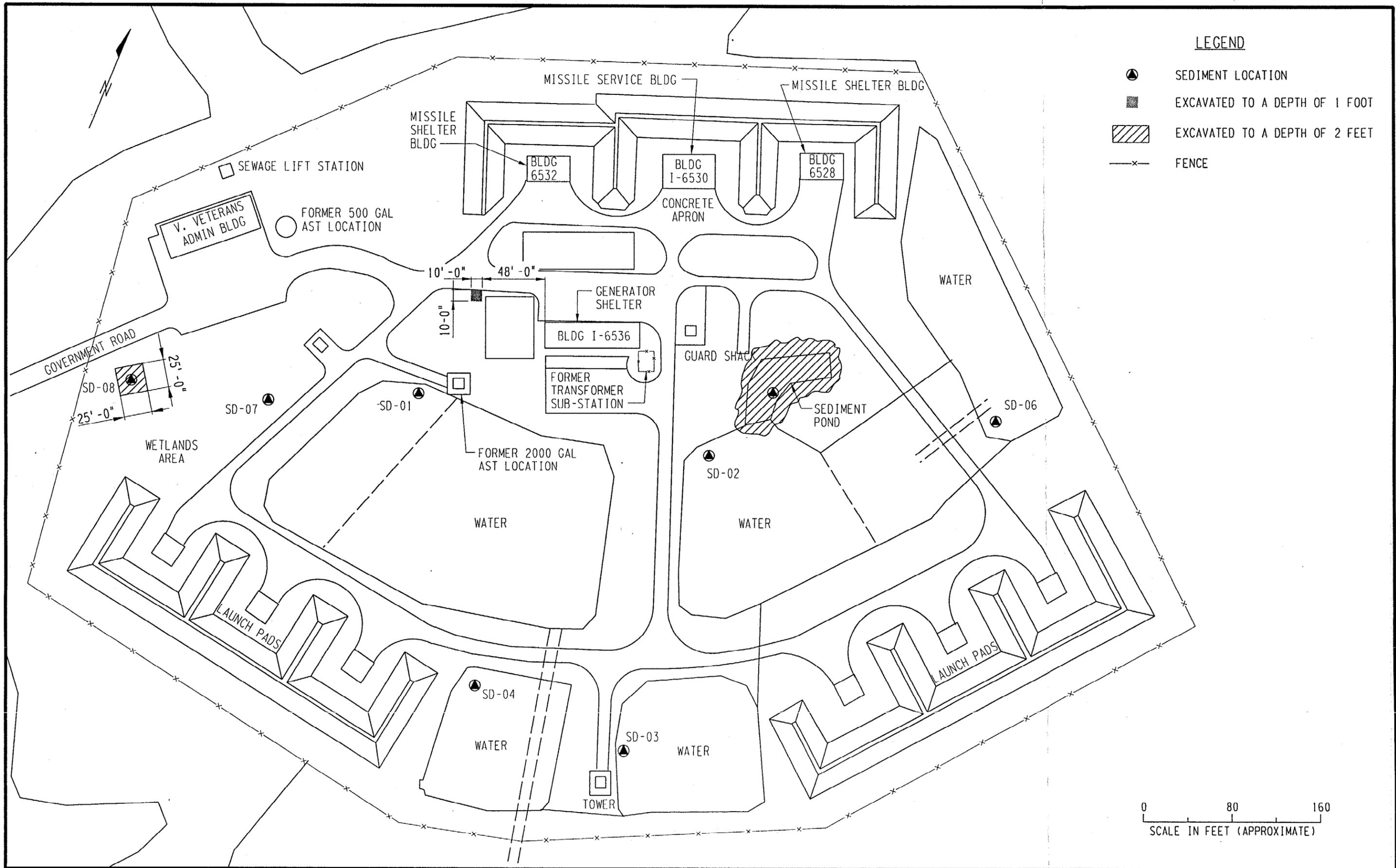
Tetra Tech NUS, 1998b. *Supplemental Site Inspection Report for BRAC Parcels at Truman Annex, Naval Air Station Key West*, Revision 0. December.

APPENDIX A
FIGURES
AND
AS-BUILT SKETCHES



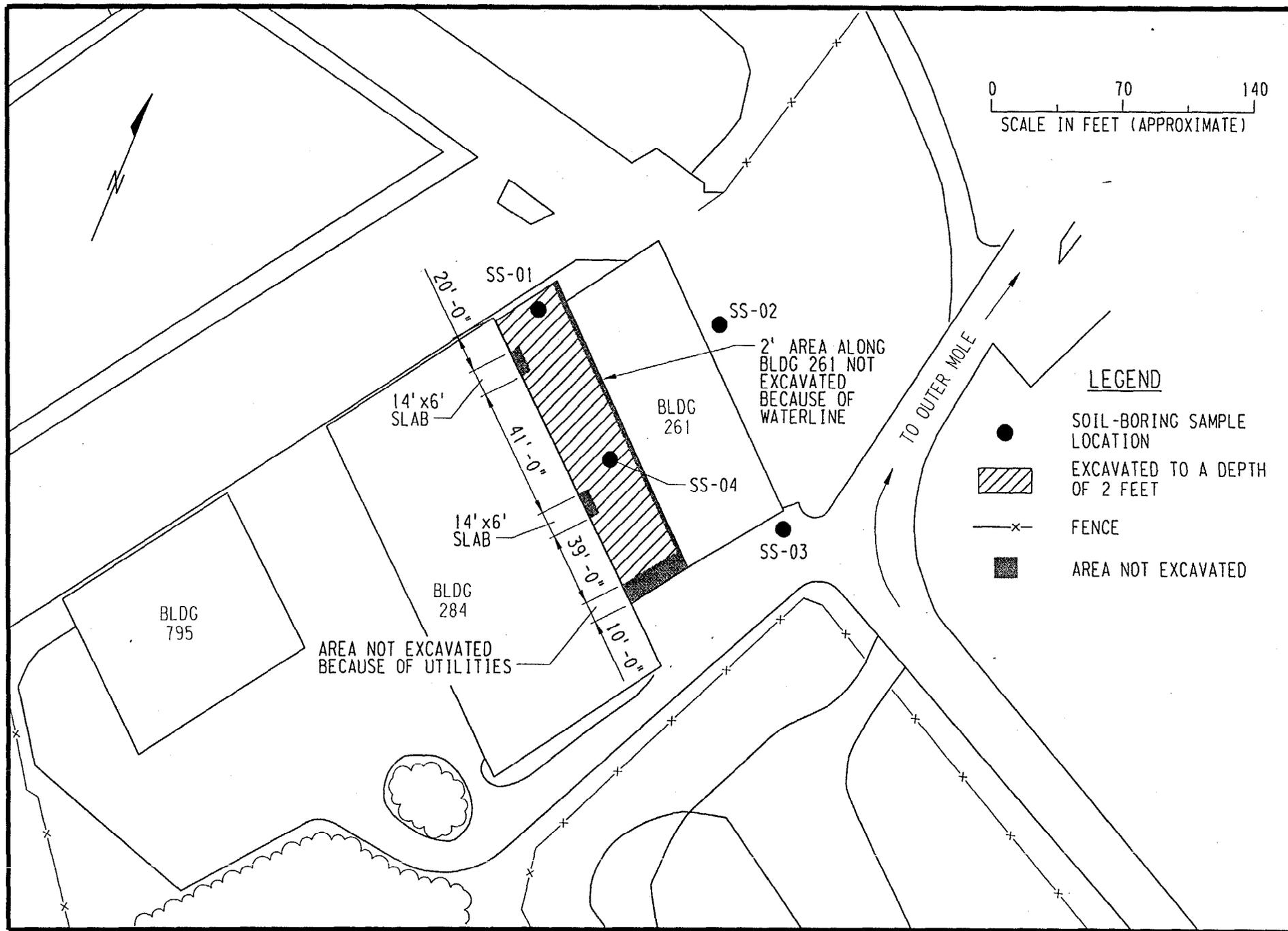
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24 JUN 1999

**Completion Report for Nine Brac Parcels
Brac Parcel A, Subzone 4 - Hamaca Hawk Missile Site
Navy Southern Division - NAS Key West, Florida**



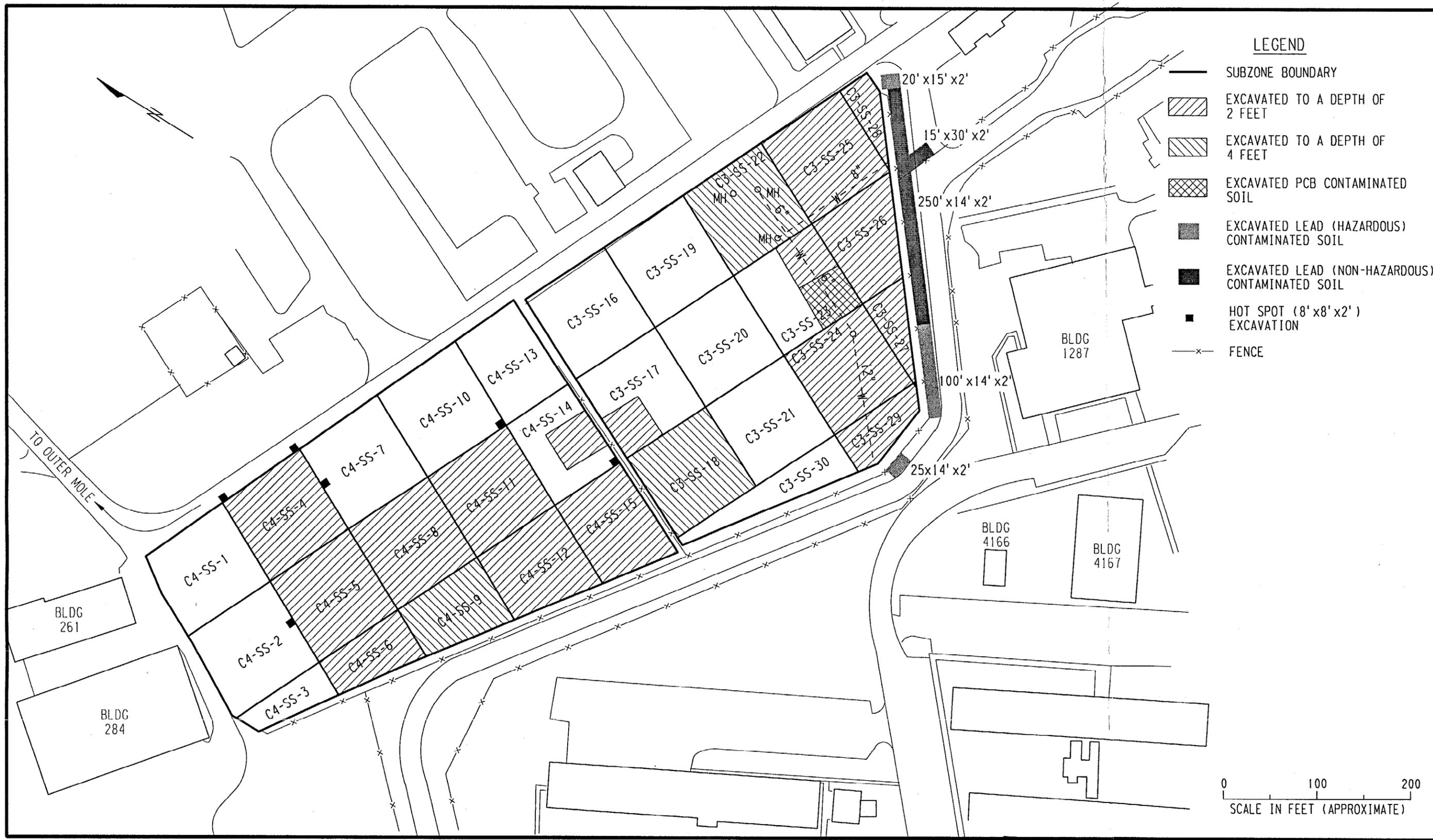
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24 JUN 1999

Completion Report for Nine Brac Parcels
Brac Parcel A, Subzone 9 - Hamaca Hawk Missile Site
Navy Southern Division - NAS Key West, Florida
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24 JUN 1999

Completion Report for Nine Brac Parcels
 Brac Parcel C, Subzone 1 - DRMO Waste Storage Area
 Navy Southern Division - NAS Key West, Florida



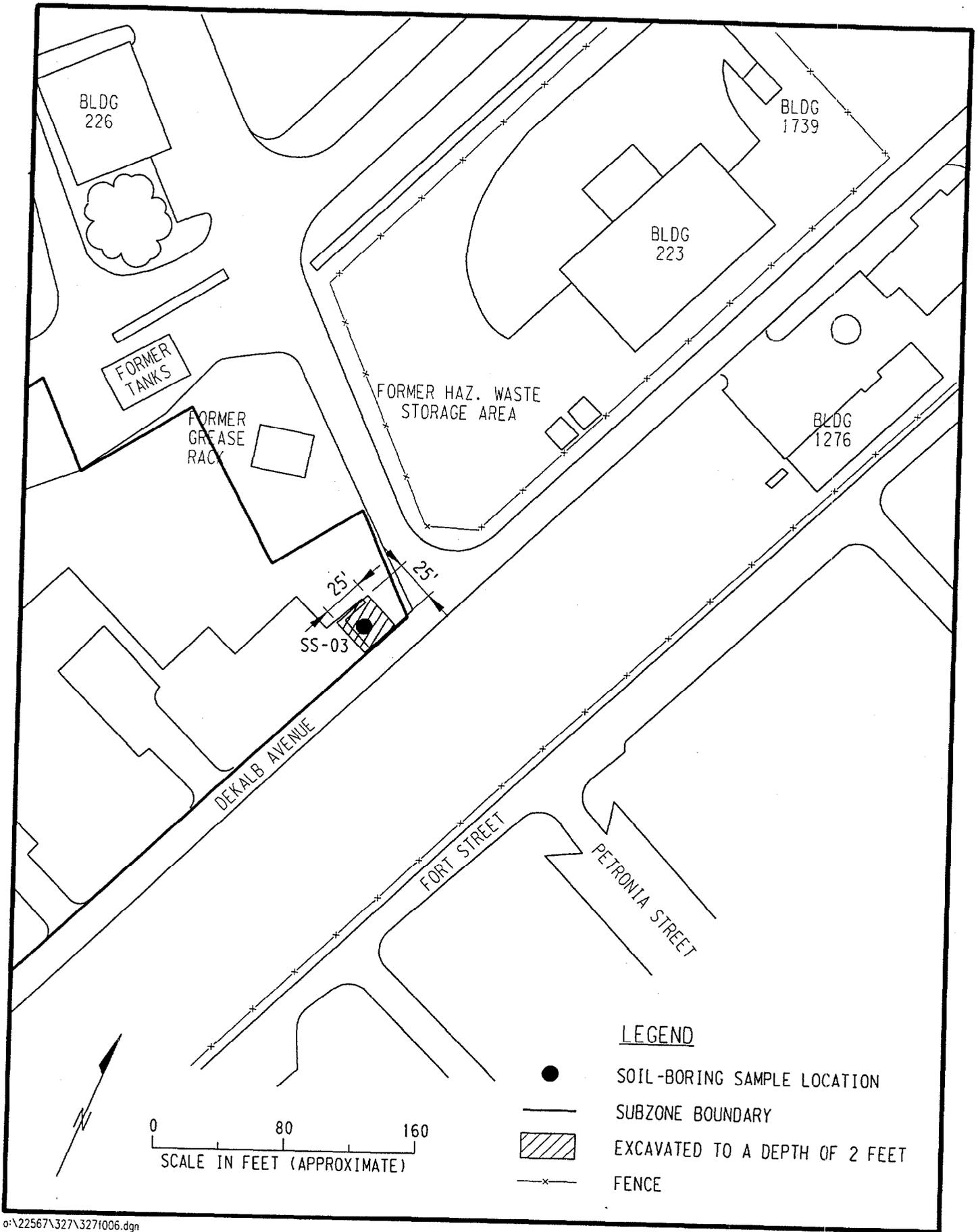
LEGEND

- SUBZONE BOUNDARY
- [Diagonal Hatching] EXCAVATED TO A DEPTH OF 2 FEET
- [Cross-hatching] EXCAVATED TO A DEPTH OF 4 FEET
- [Grid Hatching] EXCAVATED PCB CONTAMINATED SOIL
- [Solid Black] EXCAVATED LEAD (HAZARDOUS) CONTAMINATED SOIL
- [Solid Grey] EXCAVATED LEAD (NON-HAZARDOUS) CONTAMINATED SOIL
- [Small Square] HOT SPOT (8'x8'x2') EXCAVATION
- x- FENCE

o:\22567\327\3271005.dgn
24 JUN 1999

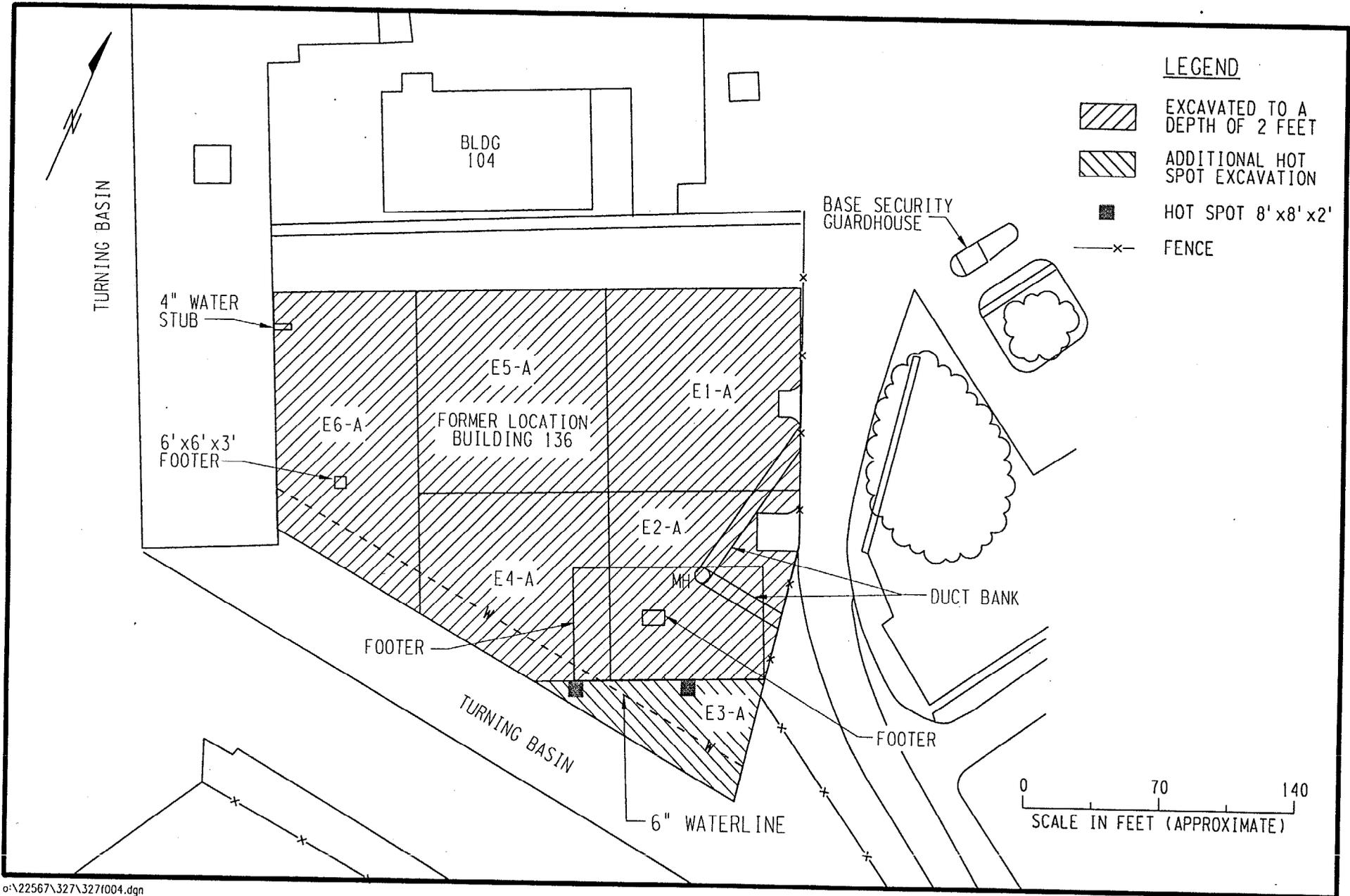
Completion Report for Nine Brac Parcels
Brac Parcel C, Subzones 3 & 4 - DRMO Waste Storage Area
Navy Southern Division- NAS Key West, Florida

0127D022

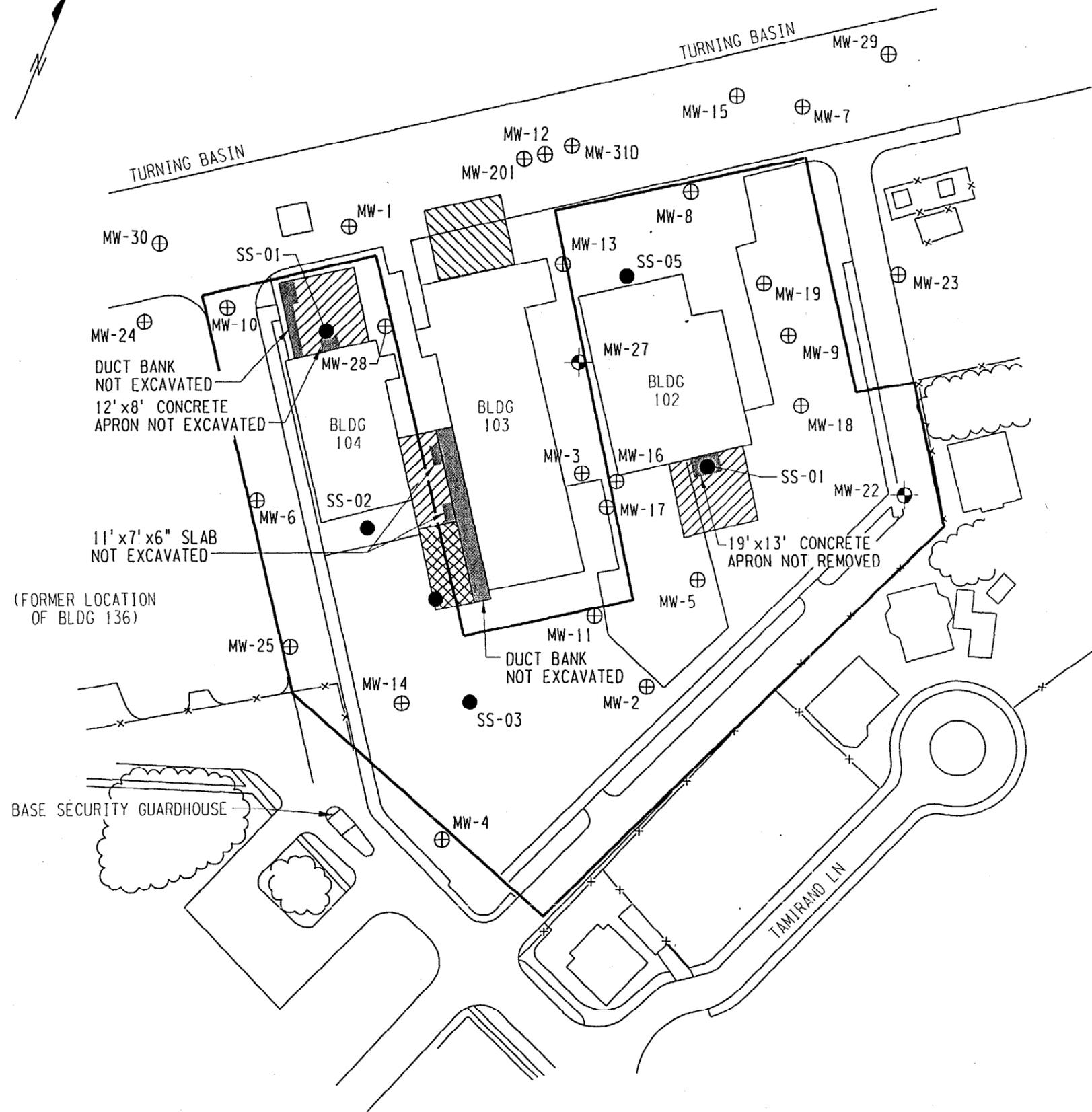


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24 JUN 1999

**Completion Report For Nine Brack Parcels
Brac Parcel D, Subzone 1 - Seminole Battery
Navy Southern Division - NAS Key West, Florida**

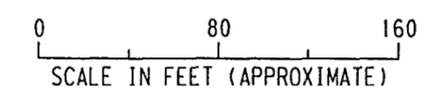


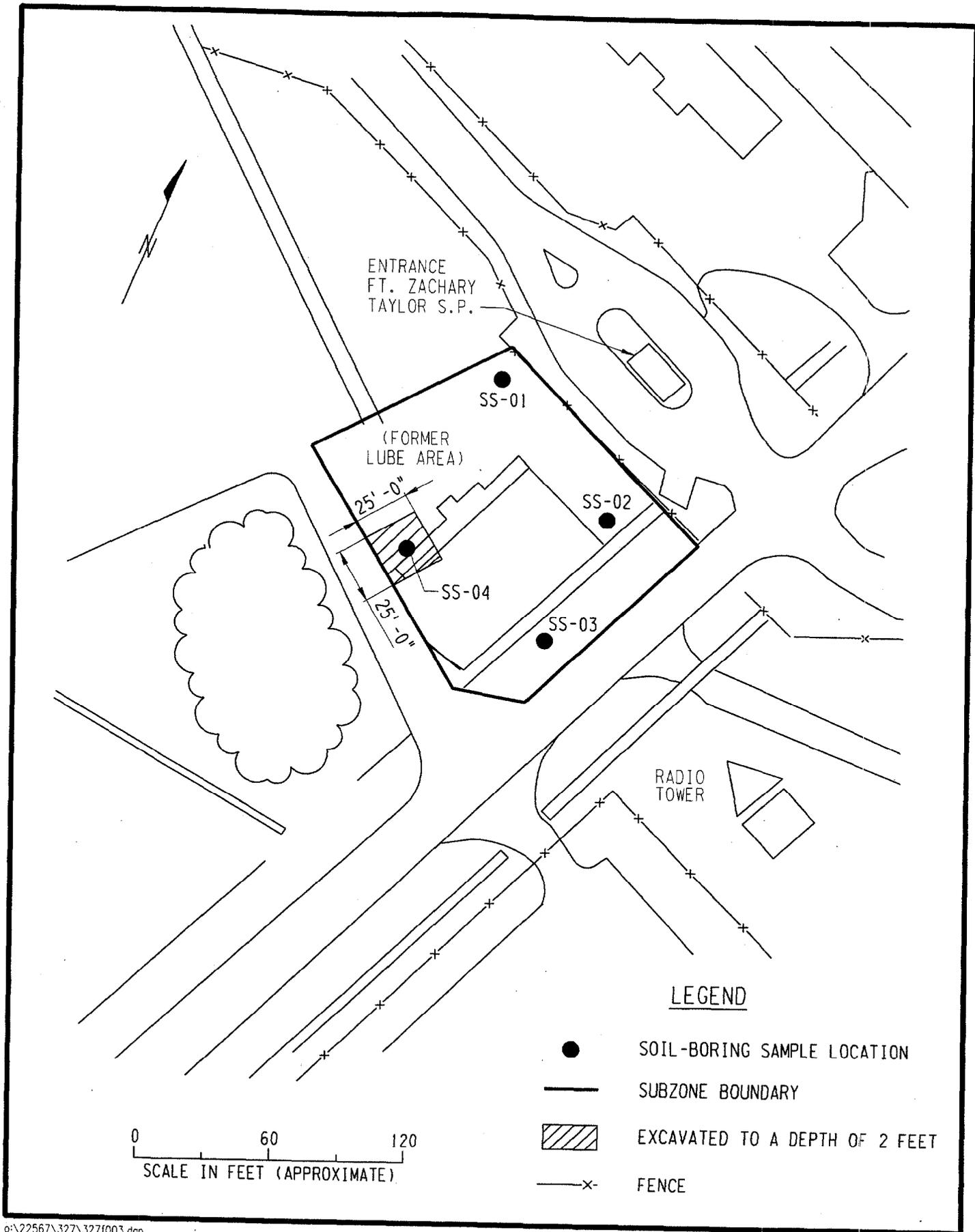
Completion Report for Nine Brac Parcels
 Brac Parcel E, Subzone 2 - Former Location of Bldg 136
 Navy Southern Division - NAS Key West, Florida



LEGEND

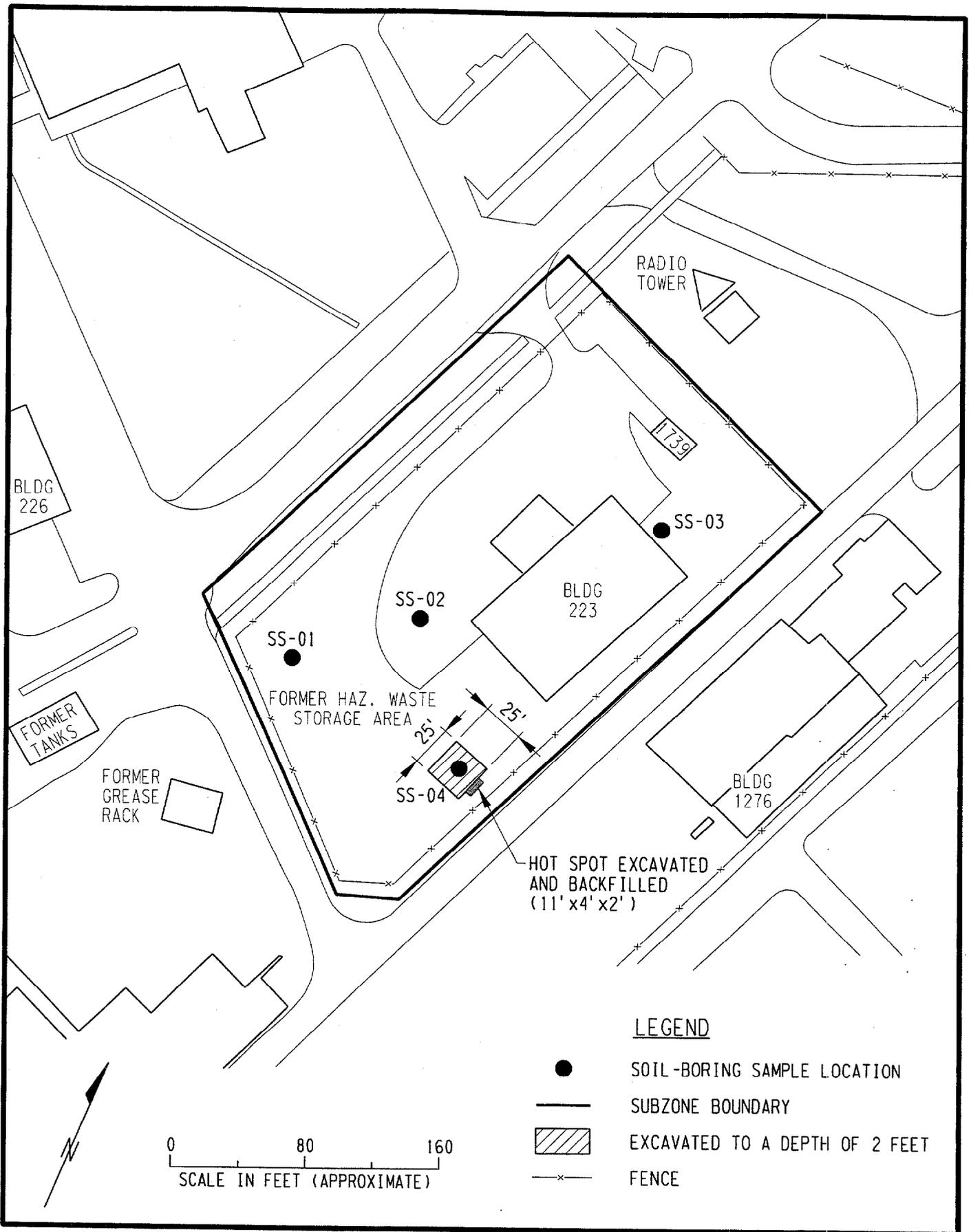
- MONITORING WELL LOCATION
- SOIL-BORING SAMPLE LOCATION
- MONITORING WELL LOCATION
- SUBZONE BOUNDARY
- EXCAVATED TO A DEPTH OF 2 FEET
- EXCAVATED TO A DEPTH OF 4 FEET
- EXCAVATED TO A DEPTH OF 6 FEET
- FENCE





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24 JUN 1999

**Completion Report for Nine Brac Parcels
Brac Parcel F, Subzone 1 - Former Lube Area
Navy Southern Division - NAS Key West, Florida**



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24 JUN 1999

**Completion Report For Nine Brack Parcels
Brac Parcel F, Subzone 3 - Building 223
Navy Southern Division - NAS Key West, Florida**

APPENDIX B
**PRECONSTRUCTION MEETING AGENDA/
MEETING MINUTES**



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND CONTRACTS
OFFICER IN CHARGE OF CONSTRUCTION
RESIDENT OFFICER IN CHARGE OF CONSTRUCTION
OFFICE IN CHARGE FACILITIES SUPPORT CONTRACTS
NAVAL AIR STATION, KEY WEST, FL 33040-9018

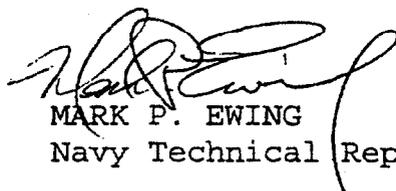
4330
Ser R205/0672
04 Jan 99

From: Resident Officer in Charge of Construction
Southern Division Naval Facilities Engineering Command
Field Office Key West (R205)

To: DISTRIBUTION

Subj: CONTRACT NO. N62467-93-D-0936; RESPONSE ACTION CONTRACT,
DELIVERY ORDER 101, Modification 01, PHASE III,
SITE REMEDIATION FOR TASK 1 (SOIL REMOVAL) AT TRUMAN ANNEX,
NAVAL AIR STATION KEY WEST FL

1. A pre-construction conference will be held at the ROICC conference room, Bldg. A-718 on Boca Chica, on 12 January, 1999 at 0900. This is a cost-reimbursable environmental construction contract delivery order with a current value of \$2,185,915.00.
2. Project scope includes excavation and backfill of BRAC Parcels A (Hawk Missile Site), C (Bldgs 261, DRMO storage area), D (Seminole Battery), E (Bldgs 102, 103, 104, 136), and F (Bldg 223). The work involves excavation of contaminated soil to a depth of 2 feet, transportation and disposal of the non-hazardous waste, and backfill of the excavations.
3. The purpose of the meeting is to provide a general orientation, discuss coordination issues pertaining to the work schedule, and review contract administration procedures. Your attendance will help identify future points of contact.
4. I will chair the conference and shall be the point of contact for any questions. All involved personnel are welcome to review the plans and specifications for this project in my office any time prior to the meeting.
5. If there are any questions, please call me at DSN 483-3626 or 305/293-3626.


MARK P. EWING
Navy Technical Representative

LIST OF ATTENDEES

PRE-CONSTRUCTION CONFERENCE for Contract N62467-93-D-0936/101
Title: DELIVERY ORDER 101, MODIFICATION 01, PHASE III, SITE REMEDIATION
FOR TASK 1 (SOIL REMOVAL) AT TRUMAN ANNEX, TRUMBO POINT, NAS KEY WEST FL

Today's Date: January 12, 1999

<u>NAME</u>	<u>ORGANIZATION</u>	<u>PHONE VOICE</u> <u>PHONE FAX</u>
Bob COHOSE	BECHTEL	(423) 220-2492
Marty Ray	Tetra Tech NUS	803-649-7963
Roy HOELSTRA	Bechtel	(423) 220-2271
Dudley Patrick	SOILU-NAMY	843/820-5541/7465 fax
Row DEMES	NASKWPWDENGR	305 293 2194 / 305 293 2542
harry booth	Bechtel	(423) 220-2271
JOHN MANNING	AES	843-540-2247
SCOTT CLARY	AES	412/486-1007
ANTHONY TEE	PWD NAS KEYWEST	(305) 293-2070
AL MANUCY	AES	843 540 2242
MARK P. EWING	ROICC	305-293-3626
Phillip Williams	NASKWER Manager	305-293-2061 fax -2631

PRE-CONSTRUCTION CONFERENCE

FAST TRACK SOIL REMOVALS NAS KEY WEST, FLORIDA

**JANUARY 12, 1999 0900 hours
PWD Conference Room**

Subj: CONTRACT NO. N62467-93-D-0936; RESPONSE ACTION CONTRACT,
DELIVERY ORDER 101, Modification 01, PHASE III,
SITE REMEDIATION FOR TASK 1 (SOIL REMOVAL) AT TRUMAN ANNEX,
NAVAL AIR STATION KEY WEST FL

Introduction

- Purpose of Meeting
- Introduce Attendees
- Introductory comments by NAS Key West

Scope Of Work

- Excavation and disposal of soils from BRAC Parcels
 - Parcel C- DRMO Waste Storage Area
 - Parcel D- Seminole Battery
 - Parcel E- Buildings 102, 103 & 104
 - Parcel F- Building 223
- Parcel A- Hawk Missile Site (located on Government Road)
- Confirmation sampling to be performed by Tetra Tech
- Backfill with clean soil
- Site restoration, grade to drain only

Subcontractor

- BEI has awarded one subcontract for remedial services to American Environmental Services (AES)

Approach to Work

- Work Hours
- Construction operations
- Crew size and equipment
- Exclusion/Control zones
- Handling of soils and decon water
- Movement of contaminated soils from site
- Coordination with the Navy's Hazardous Waste Facility
- Non Hazardous Manifests

Schedule

- See attached field schedule for details

Submittal Status

- Remediation Workplan/Quality Control and Site Safety & Health Plan

**PRE-CONSTRUCTION CONFERENCE
FAST TRACK SOIL REMOVALS
NAS KEY WEST, FLORIDA**

Site Access—Truman Annex

- Coordination with Navy personnel
- Use of area for storage of materials, equipment & backfill
- Site access is restricted during remediation operations

Site Access – Hawk Missile Site

- Coordination with Navy personnel.

Permits

- Wetlands Permit for Hamaca Hawk Missile Site (**Action Item**)

Site Security

- During working hours and after working hours

General Concerns

- Keeping NAS KW departments informed of the work.
- Utility survey by subcontractor (AES), no clearances from Navy required
- Identification of archeological items
- Clearance for excavation next to Fort Zachary Taylor
- Other concerns

Safety & Health (S&H)

- S&H Plan, oversight, and monitoring
- Emergency evacuation, hospital and first aid

Quality Assurance

- QC meetings with ROICC and other NAS departments , daily reporting, inspections and testing

Hurricane Procedures

- Notifications and Evacuation

Review of Action Items

PRE-CONSTRUCTION CONFERENCE

BECHTEL ENVIRONMENTAL INC
OAK RIDGE CORPORATE CENTER
1 LAFAYETTE DRIVE
PO BOX 350
OAK RIDGE TENNESSEE 37831-0350

Subj:
REMEDIAL ACTION CONTRACT
CONTRACT NO. N62467-93-D-0936/101
DELIVERY ORDER 101, MODIFICATION 01, PHASE III, SITE REMEDIATION FOR TASK 1
(SOIL REMOVAL) AT TRUMAN ANNEX, TRUMBO POINT, NAS KEY WEST FL

The following minutes document the Pre-Construction Conference for the referenced contract, held at the PWD conference room, Bldg. A-629, Naval Air Station, Key West, Florida on January 12, 1999 at 9:00 A.M.

1. CONTRACT AWARD INFORMATION

Award Date: Phase III: December 11, 1999

Name of Contractor: BECHTEL ENVIRONMENTAL INC

Award Price: \$1,977,715.00 Phase III

Completion Date: September 30, 1999

2. NAVY REPRESENTATIVES AND AUTHORITY

a. The Deputy Officer in Charge (DOIC) of the SOUTHDIV Contracts Office is LT James Oliver.

c. The Contracting Officer for this contract is Robert J. Meddick.

g. The Navy Technical Representative (NTR) is Mr. Mark Ewing. The Contracting Officer's Technical Representative (COTR) is Mr. Michael E. Herron. The NTR and COTR are appointed as the Contracting Officer's technical representatives for this contract. The NTR and COTR are responsible for providing the day-to-day management of this contract and shall be the primary point of contact for performance and technical matters. Regarding changes, the NTR and COTR are responsible for recommending needed changes to the Contracting Officer. All technical matters shall be directed to the attention of these individuals.

h. The Construction Representative (CR) is Mr. James Massey. The CR is responsible for Government inspection all phases of the work, coordination, conducting labor interviews, and reporting to the NTR. The Construction Representative shall be the primary point of contact for your project superintendent, foreman, and quality control representative's routine and daily questions involving construction coordination, quality standards, methodology, testing procedures and inspections.

3. CONTRACTOR REPRESENTATIVES AND AUTHORITY

a. On-site management of this contract will be performed by

The contractor is required to submit the (1) name, (2) qualifications, and (3) authority of the proposed Superintendent for Contracting Officer approval prior to the start of work. Resubmission is required for changes in Superintendents, no matter how temporary.

The superintendent shall be on site at all times when work is being performed and shall have the authority to act for the contractor. Failure to be on site will be grounds for the Government to stop work until the matter is rectified.

The superintendent HAS / DOES NOT HAVE signature authority to obligate the contractor.

b. Quality Control inspections will be performed by

The inspection of work by the Construction Representative does not relieve the contractor of the responsibility of quality control. Every phase of work must be supervised and inspected.

4. FIRE SAFETY BRIEF

[Fire-safety brief provided by a Navy Fire Department representative.]

5. CORRESPONDENCE

a. All correspondence shall identify the contract number and title.

b. Correspondence to the Navy:

(1) Written correspondence shall be addressed to:

CONTRACTING OFFICER

SOUTH DIV CONTRACTS OFFICE
BLDG A718 P O BOX 9018
NAVAL AIR STATION
KEY WEST FL 33040-9018

(2) Telephone Numbers:

James Massey 293-2566
Mark Ewing 293-3626
LT J. Oliver 293-2545
Office: (305) 293-2069
FAX: (305) 293-2631

c. Correspondence to the Contractor:

(1) Written correspondence shall be sent to the address identified on the award document, unless formally changed by contract modification.

(2) Telephone Numbers:

Home office voice : _____
Home office FAX : _____
Field office voice: _____
Field office FAX : _____
Field office beeper: _____

After hours contact (Name/Address/Phone):

d. Daily Reports shall be turned in at Bldg. A-718 by 10:00 AM the following workday on NAVFAC FORM 01400-1. Shall include information on workers by classification, work accomplished, equipment moved-on or off job site, and material delivered to job site.

6. SUBMITTALS

c. Safety Plan - no work may start until approved.

d. Quality Control Plan - no work may start until approved.

(1) CQC Meeting Requirements - set meeting dates and times.

e. Progress schedule (Bar Chart or CPM).

(5) As-built Drawings - two full size copies must be maintained throughout project life (checked by Construction Representative) and final as-builts must be presented to the Project Manager prior demobilization.

INVOICING PROCEDURES AND PAYMENTS

a. Contractor may invoice monthly. No facsimile invoices shall be accepted.

b. Contractor responsible for cost to complete data and corresponding written notifications.

9. WORK PROCEDURES

a. Work hours. Working Hours will be no earlier than 7:30 AM (0730) and no later than 6:00 PM (1800) Monday through Saturday (excluding federal holidays).

b. Safety. The Contract Clause "Accident Prevention" requires conformance to the U.S. Army Corps of Engineers "Safety and Health Requirements Manual." A safety plan from the contractor is required. When life-threatening situations are observed, government representatives are authorized to stop contractor operations until the unsafe condition is corrected. Costs for such work stoppages are not reimbursable.

c. Job Site Clean-Up must be performed daily.

d. Storm protection. Contractor shall take every practicable precaution to protect persons and property. The hurricane season for the Key West Area has been designated as that period between 1 June and 30 November. Although the period of greatest frequency and severity of tropical storms is normally experienced during the months of September and October, the contractor should conduct his work during the entire season in such a manner as to permit the rapid achievement of a state of readiness for security in the event of gale/hurricane warnings. Specific instructions concerning hurricane preparation are set forth in the booklet entitled, "Manual of Instruction of Contractors," SOUTHNAVFACENGCOM P-150 dated June 1989. Copies are available at this office.

e. Outages. All disruptions of utilities, parking, traffic, access or use of facilities require approval from base authorities. Contractor must contact make a written request fifteen (15) days in advance.

f. Permits. The contractor will be responsible for obtaining all permits required to perform the work under this contract. Telephone and Cable (excavation) permits must be obtained from the local companies. Other permits (burn permit for hot work) may be obtained directly through the ROICC

Office from the Naval Air Station. Other special permits, which may be required, must be obtained through those agencies (e.g. DER, EPA, etc.).

g. Job site security. The contractor is responsible for the security materials and equipment used in the performance of this contract.

j. Final Inspections. A pre-final inspection must be scheduled with the Conrep prior to scheduling the final inspection. Seven (7) working days advance notice must be given to the NTR, in writing, to schedule the final inspection.

10. LABOR PROVISIONS

a. The following Labor Standards Provisions are applicable:

Davis-Bacon Act

Copeland (Anti-Kickback) Act

Contract Work Hours and Safety Standards Act - Overtime

Compensation

EEO and Affirmative Action are applicable.

b. Payrolls. Submitted on a weekly basis. The prime Contractor is responsible for the accuracy of all payrolls.

11. STATION REGULATIONS

a. Security Requirements.

(1) Personnel. All personnel shall obtain a tradesman pass from the Pass & ID Office. Application forms must be signed by this office. The Contractor is responsible for ensuring the return of all passes/badges to the Pass and ID Office upon termination of contract and/or changes in employment.

All Contractor employees shall wear passes on the front left-hand side of the outer garment, between the shoulder and the waistline, so it is plainly visible at all times while entering, working on, and departing NAS Key West installation facilities.

NOTE: Contractor personnel requiring access to jobsites for less than two (2) weeks are not required to obtain tradesman passes.

(a) Contractor employees and representatives performing work under this contract are required to be United States citizens or possess official authorization from the Immigration and Naturalization Service. Satisfactory proof of citizenship may be required before being admitted to the work site.

Exception may be requested in writing to the Contracting Officer.

(b) Pass Processing lasts approximately thirty minutes per individual. However, because individuals are processed on a first-come, first-served basis, processing time could be longer.

(2) Vehicles. Vehicle passes shall be obtained from the Pass & ID office and shall be displayed on the vehicle's front dashboard at all times while entering, operating on, parked or departing the installation facilities. All drivers shall be required to show documentary proof of a valid driver's license, vehicle registration and minimum insurance required by the State of Florida.

Technical/Specifications/Drawings Review:

Items Requiring Action:

Encls:

(1) List of attendees

APPENDIX C

WASTE TRANSPORT AND DISPOSAL RECORDS

WASTE SHIPMENT TRACKING LOG

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR001	1/19/99	RINKER	4308/4308
DR002	1/19/99	RINKER	4315/4315
DR003	1/19/99	RINKER	4147/4147
DR004	1/19/99	RINKER	4278/4278
DR005	1/19/99	RINKER	4269/4269
DR006	1/19/99	RINKER	4288/4288
DR007	1/19/99	RINKER	4313/4313
DR008	1/19/99	RINKER	4325/4325
DR009	1/19/99	RINKER	4272/4272
DR010	1/19/99	RINKER	7187/5813
DR011	1/19/99	RINKER	4327/4327
DR012	1/20/99	RINKER	4313/4313
DR013	1/20/99	RINKER	4289/4289
DR014	1/20/99	RINKER	4308/4308
DR015	1/20/99	RINKER	4302/4302
DR016	1/20/99	RINKER	7345/7345
DR017	1/20/99	FLORIDA	7335/7335
DR018	1/20/99	RINKER	4325/4325
DR019	1/20/99	FLORIDA	7353/7353
DR020	1/20/99	FLORIDA	7356/7356
DR021	1/20/99	RINKER	4333/4333
DR022	1/20/99	RINKER	4327/4327
DR023	1/20/99	FLORIDA	7362/7362
DR024	1/20/99	FLORIDA	7363/7363
DR025	1/20/99	FLORIDA	7331/7331
DR026	1/20/99	RINKER	4141/4141
DR027	1/20/99	RINKER	4296/4296
DR028	1/20/99	FLORIDA	7318/7318
DR029	1/20/99	FLORIDA	7361/7361
DR030	1/20/99	FLORIDA	7359/7359
DR031	1/20/99	FLORIDA	7364/7364
DR032	1/20/99	FLORIDA	7344/7344
DR033	1/20/99	RINKER	4259/4259
DR034	1/21/99	RINKER	4302/4302
DR035	1/21/99	FLORIDA	7356/7356
DR036	1/21/99	FLORIDA	7331/7331
DR037	1/21/99	FLORIDA	7353/7353
DR038	1/21/99	FLORIDA	7335/7335
DR039	1/21/99	RINKER	4325/4325
DR040	1/21/99	RINKER	4313/4313
DR041	1/21/99	RINKER	4327/4327
DR042	1/21/99	RINKER	4237/4237
DR043	1/21/99	RINKER	7187/7187
DR044	1/21/99	FLORIDA	7345/7345
DR045	1/21/99	RINKER	4286/4286
DR046	1/21/99	FLORIDA	7362/7362
DR047	1/21/99	FLORIDA	7361/7361
DR048	1/21/99	FLORIDA	7344/7344
DR049	1/21/99	FLORIDA	7363/7363
DR050	1/21/99	FLORIDA	4283/4283

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR051	1/21/99	RINKER	4141/4141
DR052	1/21/99	FLORIDA	7359/7359
DR053	1/21/99	RINKER	4321/4321
DR054	1/21/99	RINKER	4248/4248
DR055	1/21/99	RINKER	4324/4324
DR056	1/21/99	RINKER	4253/4253
DR057	1/21/99	RINKER	4255/4255
DR058	1/21/99	RINKER	4296/4296
DR059	1/22/99	RINKER	4308/4308
DR060	1/22/99	FLORIDA	7356/7356
DR061	1/22/99	RINKER	7335/7335
DR062	1/22/99	FLORIDA	4327/4327
DR063	1/22/99	RINKER	7362/7362
DR064	1/22/99	FLORIDA	4237/4237
DR065	1/22/99	FLORIDA	7345/7345
DR066	1/22/99	FLORIDA	7363/7363
DR067	1/22/99	FLORIDA	7331/7331
DR068	1/22/99	FLORIDA	7359/7359
DR069	1/22/99	FLORIDA	7361/7361
DR070	1/22/99	FLORIDA	4141/4141
DR071	1/22/99	FLORIDA	7353/7353
DR072	1/22/99	RINKER	4321/4321
DR073	1/22/99	RINKER	4302/4302
DR074	1/22/99	RINKER	4322/4322
DR075	1/22/99	RINKER	4248/4248
DR076	1/22/99	RINKER	4134/4131
DR077	1/22/99	RINKER	4196/4196
DR078	1/22/99	RINKER	4230/4230
DR079	1/22/99	RINKER	4129/4129
DR080	1/22/99	RINKER	4131/4131
DR081	1/22/99	FLORIDA	7264/7264
DR082	1/22/99	RINKER	4110/4110
DR083	1/22/99	RINKER	4225/4225
DR084	1/22/99	RINKER	4154/4154
DR085	1/23/99	RINKER	4313/4313
DR086	1/23/99	RINKER	4325/4325
DR087	1/23/99	FLORIDA	7361/7361
DR088	1/23/99	FLORIDA	7362/7362
DR089	1/23/99	RINKER	4327/4327
DR090	1/23/99	RINKER	4332/4332
DR091	1/23/99	FLORIDA	7230/7230
DR092	1/23/99	RINKER	4308/4308
DR093	1/23/99	FLORIDA	7359/7359
DR094	1/23/99	FLORIDA	7350/7350
DR095	1/23/99	RINKER	4269/4269
DR096	1/23/99	RINKER	4288/4288
DR097	1/23/99	FLORIDA	7345/7345
DR098	1/23/99	RINKER	4141/4141
DR099	1/23/99	FLORIDA	7363/7363
DR100	1/23/99	FLORIDA	7331/7331

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0101	1/23/99	RINKER	4302/4302
DR0102	1/23/99	RINKER	4225/4225
DR0103	1/25/99	FLORIDA	7344/7344
DR0104	1/25/99	RINKER	4325/4325
DR0105	1/25/99	RINKER	4313/4313
DR0106	1/25/99	RINKER	4327/4327
DR0107	1/25/99	FLORIDA	7356/7356
DR0108	1/25/99	FLORIDA	7353/7353
DR0109	1/25/99	FLORIDA	7362/7362
DR0110	1/25/99	RINKER	4139/2510
DR0111	1/25/99	RINKER	4281/4281
DR0112	1/25/99	RINKER	7335/7335
DR0113	1/25/99	FLORIDA	7364/7364
DR0114	1/25/99	FLORIDA	7359/7359
DR0115	1/25/99	FLORIDA	7361/7361
DR0116	1/25/99	FLORIDA	7345/7345
DR0117	1/25/99	RINKER	4328/4328
DR0118	1/25/99	RINKER	4293/4293
DR0119	1/25/99	RINKER	4141/4141
DR0120	1/25/99	FLORIDA	7363/7363
DR0121	1/25/99	RINKER	4120/4120
DR0122	1/25/99	RINKER	4240/4240
DR0123	1/25/99	RINKER	4128/4128
DR0124	1/26/99	RINKER	4308/4308
DR0125	1/26/99	FLORIDA	7361/7361
DR0126	1/26/99	RINKER	4302/4302
DR0127	1/26/99	FLORIDA	7344/7344
DR0128	1/26/99	FLORIDA	7345/7345
DR0129	1/26/99	FLORIDA	7359/7359
DR0130	1/26/99	FLORIDA	7353/7353
DR0131	1/26/99	RINKER	4313/4313
DR0132	1/26/99	RINKER	4325/4325
DR0133	1/26/99	FLORIDA	7335/7335
DR0134	1/26/99	FLORIDA	7356/7356
DR0135	1/26/99	RINKER	4327/4327
DR0136	1/26/99	FLORIDA	7364/7364
DR0137	1/26/99	FLORIDA	7362/7362
DR0138	1/26/99	FLORIDA	7363/7363
DR0139	1/26/99	RINKER	4141/4141
DR0140	1/26/99	RINKER	4296/4296
DR0141	1/26/99	RINKER	4283/4283
DR0142	1/26/99	R.A. TRUCKING	981/981
DR0143	1/26/99	R.A. TRUCKING	983/983
DR0144	1/27/99	RINKER	4308/4308
DR0145	1/27/99	RINKER	4302/4302
DR0146	1/27/99	FLORIDA	7335/7335
DR0147	1/27/99	FLORIDA	7361/7361
DR0148	1/27/99	FLORIDA	7356/7356
DR0149	1/27/99	FLORIDA	7345/7345
DR150	1/27/99	RINKER	4189/4189

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0151	1/27/99	FLORIDA	7353/7353
DR0152	1/27/99	FLORIDA	7359/7359
DR0153	1/27/99	RINKER	4313/4313
DR0154	1/27/99	RINKER	4325/4325
DR0155	1/27/99	RINKER	4327/4327
DR0156	1/27/99	RINKER	4296/4296
DR0157	1/27/99	FLORIDA	7364/7364
DR0158	1/27/99	RINKER	4141/4141
DR0159	1/27/99	FLORIDA	7363/7363
DR0160	1/27/99	RINKER	4286/4286
DR0161	1/27/99	RINKER	4333/4333
DR0162	1/27/99	RINKER	4432/4432
DR0163	1/27/99	RINKER	4491/4491
DR0164	1/27/99	RINKER	4315/4315
DR0165	1/27/99	FLORIDA	7264/7264
DR0166	1/27/99	RINKER	4321/4321
DR0167	1/27/99	RINKER	4324/4324
DR0168	1/27/99	FLORIDA	7362/7362
DR0169	1/27/99	R.A. TRUCKING	981/981
DR0170	1/27/99	R.A. TRUCKING	984/984
DR0171	1/27/99	R.A. TRUCKING	983/983
DR0172	1/28/99	RINKER	4313/4313
DR0173	1/28/99	FLORIDA	7361/7361
DR0174	1/28/99	RINKER	4308/4308
DR0175	1/28/99	RINKER	4325/4325
DR0176	1/28/99	RINKER	4327/4327
DR0177	1/28/99	RINKER	4302/4302
DR0178	1/28/99	FLORIDA	7344/7344
DR0179	1/28/99	FLORIDA	7356/7356
DR0180	1/28/99	FLORIDA	7364/7364
DR0181	1/28/99	FLORIDA	7359/7359
DR0182	1/28/99	FLORIDA	7353/7353
DR0183	1/28/99	FLORIDA	7345/7345
DR0184	1/28/99	RINKER	4296/4296
DR0185	1/28/99	FLORIDA	7363/7363
DR0186	1/28/99	RINKER	4141/4141
DR0187	1/28/99	FLORIDA	7264/7264
DR0188	1/28/99	RINKER	4255/4255
DR0189	1/28/99	FLORIDA	7362/7362
DR0190	1/28/99	RINKER	4253/4253
DR0191	1/29/99	FLORIDA	7356/7356
DR0192	1/29/99	RINKER	4325/4325
DR0193	1/29/99	RINKER	4302/4302
DR0194	1/29/99	FLORIDA	7345/7345
DR0195	1/29/99	RINKER	4308/4308
DR0196	1/29/99	FLORIDA	7353/7353
DR0197	1/29/99	RINKER	4313/4313
DR0198	1/29/99	FLORIDA	7335/7335
DR0199	1/29/99	FLORIDA	7359/7359
DR0200	1/29/99	FLORIDA	7364/7364

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0201	1/29/99	RINKER	4327/4327
DR0202	1/29/99	FLORIDA	7362/7362
DR0203	1/29/99	FLORIDA	7264/7264
DR0204	1/29/99	RINKER	4141/4141
DR0205	1/29/99	RINKER	4296/4296
DR0206	1/29/99	FLORIDA	7363/7363
DR0207	1/29/99	R.A. SAND	983/983
DR0208	1/29/99	R.A. SAND	970/970
DR0209	1/29/99	R.A. SAND	984/984
DR0210	1/29/99	R.A. SAND	985/985
DR0211	1/29/99	R.A. SAND	976/976
DR0212	2/01/99	RINKER	4325/4325
DR0213	2/01/99	RINKER	4308/4308
DR0214	2/01/99	FLORIDA	7335/7335
DR0215	2/01/99	FLORIDA	7356/7356
DR0216	2/01/99	FLORIDA	7353/7353
DR0217	2/01/99	RINKER	4313/4313
DR0218	2/01/99	RINKER	4327/4327
DR0219	2/01/99	FLORIDA	7365/7365
DR0220	2/01/99	FLORIDA	7359/7359
DR0221	2/01/99	RINKER	4289/4289
DR0222	2/01/99	FLORIDA	7362/7362
DR0223	2/01/99	FLORIDA	7364/7364
DR0224	2/01/99	RINKER	4302/4302
DR0225	2/01/99	RINKER	4315/4315
DR0226	2/01/99	RINKER	4141/4141
DR0227	2/01/99	FLORIDA	7361/7361
DR0228	2/01/99	RINKER	4296/4296
DR0229	2/01/99	RINKER	4230/4230
DR0230	2/01/99	RINKER	4196/4196
DR0231	2/01/99	R.A. SAND	981/981
DR0232	2/01/99	R.A. SAND	984/984
DR0233	2/01/99	R.A. SAND	983/983
DR0234	2/01/99	R.A. SAND	970/970
DR0235	2/02/99	RINKER	4325/4325
DR0236	2/02/99	RINKER	4308/4308
DR0237	2/02/99	FLORIDA	7335/7335
DR0238	2/02/99	RINKER	4313/4313
DR0239	2/02/99	FLORIDA	7356/7356
DR0240	2/02/99	FLORIDA	7353/7353
DR0241	2/02/99	FLORIDA	7362/7362
DR0242	2/02/99	FLORIDA	7359/7359
DR0243	2/02/99	RINKER	4302/4302
DR0244	2/02/99	FLORIDA	7364/7364
DR0245	2/02/99	FLORIDA	7365/7365
DR0246	2/02/99	RINKER	4315/4315
DR0247	2/02/99	RINKER	4283/4283
DR0248	2/02/99	FLORIDA	7264/7264
DR0249	2/02/99	RINKER	4134/4134
DR0250	2/02/99	RINKER	4129/4129

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0251	2/02/99	RINKER	4141/4141
DR0252	2/02/99	FLORIDA	7361/7361
DR0253	2/02/99	RINKER	4296/4296
DR0254	2/02/99	R.A. SAND	984/984
DR0255	2/02/99	R.A. SAND	970/970
DR0256	2/02/99	R.A. SAND	983/983
DR0257	2/02/99	R.A. SAND	981/981
DR0258	2/02/99	R.A. SAND	986/986
DR0259	2/02/99	FLORIDA	7363/7363
DR0260	2/03/99	FLORIDA	7365/7365
DR0261	2/03/99	RINKER	4302/4302
DR0262	2/03/99	RINKER	4325/4325
DR0263	2/03/99	RINKER	4308/4308
DR0264	2/03/99	FLORIDA	7356/7356
DR0265	2/03/99	FLORIDA	7335/7335
DR0266	2/03/99	RINKER	4313/4313
DR0267	2/03/99	RINKER	4147/4147
DR0268	2/03/99	RINKER	4281/4281
DR0269	2/02/99	FLORIDA	7353/7353
DR0270	2/03/99	RINKER	4269/4269
DR0271	2/03/99	RINKER	4272/4272
DR0272	2/03/99	RINKER	4288/4288
DR0273	2/03/99	FLORIDA	7345/7345
DR0274	2/03/99	R.A. SAND	971/971
DR0275	2/03/99	FLORIDA	7362/7362
DR0276	2/03/99	FLORIDA	7364/7364
DR0277	2/03/99	FLORIDA	7359/7359
DR0278	2/03/99	R.A. SAND	975/975
DR0279	2/03/99	RINKER	4315/4315
DR0280	2/03/99	R.A. SAND	986/986
DR0281	2/03/99	R.A. SAND	983/983
DR0282	2/03/99	R.A. SAND	984/984
DR0283	2/03/99	R.A. SAND	981/981
DR0284	2/03/99	R.A. SAND	970/970
DR0285	2/03/99	RINKER	4333/4333
DR0286	2/03/99	FLORIDA	7361/7361
DR0287	2/03/99	RINKER	4328/4328
DR0288	2/03/99	FLORIDA	7223/7223
DR0289	2/03/99	FLORIDA	7264/7264
DR0290	2/03/99	FLORIDA	7350/7350
DR0291	2/03/99	RINKER	4296/4296
DR0292	2/03/99	FLORIDA	7363/7363
DR0293	2/03/99	RINKER	4141/4141
DR0294	2/04/99	RINKER	4308/4308
DR0295	2/04/99	FLORIDA	7359/7359
DR0296	2/04/99	RINKER	4313/4313
DR0297	2/04/99	RINKER	4325/4325
DR0298	2/04/99	RINKER	4302/4302
DR0299	2/04/99	RINKER	4237/4237
DR0300	2/04/99	FLORIDA	7362/7362

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0301	2/04/99	RINKER	4154/4154
DR0302	2/04/99	RINKER	4248/4248
DR0303	2/04/99	R.A. SAND	971/871
DR0304	2/04/99	FLORIDA	7364/7364
DR0305	2/04/99	FLORIDA	7356/7356
DR0306	2/04/99	FLORIDA	7335/7335
DR0307	2/04/99	RINKER	4334/4334
DR0308	2/04/99	RINKER	4315/4315
DR0309	2/04/99	FLORIDA	7353/7353
DR0310	2/04/99	FLORIDA	7345/7345
DR0311	2/04/99	R.A. SAND	981/981
DR0312	2/04/99	R.A. SAND	991/991
DR0313	2/04/99	R.A. SAND	983/983
DR0314	2/04/99	R.A. SAND	970/970
DR0315	2/04/99	FLORIDA	7264/7264
DR0316	2/04/99	RINKER	4286/4286
DR0317	2/04/99	FLORIDA	7363/7363
DR0318	2/04/99	RINKER	4141/4141
DR0319	2/04/99	RINKER	4296/4296
DR0320	2/04/99	RINKER	4321/4321
DR0321	2/04/99	RINKER	4240/4240
DR0322	2/04/99	RINKER	4260/4260
DR0323	2/04/99	RINKER	4324/4324
DR0324	2/05/99	FLORIDA	7353/7353
DR0325	2/05/99	RINKER	4302/4302
DR0326	2/05/99	RINKER	4308/4308
DR0327	2/05/99	RINKER	4325/4325
DR0328	2/05/99	RINKER	4313/4313
DR0329	2/05/99	FLORIDA	7345/7345
DR0330	2/05/99	FLORIDA	7356/7356
DR0331	2/05/99	FLORIDA	7335/7335
DR0332	2/05/99	RINKER	4237/4237
DR0333	2/05/99	FLORIDA	7359/7359
DR0334	2/05/99	FLORIDA	7364/7364
DR0335	2/05/99	FLORIDA	7362/7362
DR0336	2/05/99	RINKER	4281/4281
DR0337	2/05/99	RINKER	4315/4315
DR0338	2/05/99	RINKER	4269/4269
DR0339	2/05/99	RINKER	4296/4296
DR0340	2/05/99	RINKER	4272/4272
DR0341	2/05/99	RINKER	4334/4334
DR0342	2/05/99	R.A. SAND	981/981
DR0343	2/05/99	RINKER	4288/4288
DR0344	2/05/99	R.A. SAND	970/970
DR0345	2/05/99	RINKER	4141/4141
DR0346	2/05/99	R.A. SAND	984/984
DR0347	2/05/99	R.A. SAND	983/983
DR0348	2/08/99	FLORIDA	7361/7361
DR0349	2/08/99	RINKER	4308/4308
DR0350	2/08/99	FLORIDA	7362/7362

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0351	2/08/99	RINKER	4325/4325
DR0352	2/08/99	FLORIDA	7364/7364
DR0353	2/08/99	FLORIDA	7353/7353
DR0354	2/08/99	FLORIDA	7335/7335
DR0355	2/08/99	FLORIDA	7356/7356
DR0356	2/08/99	RINKER	4313/4313
DR0357	2/08/99	FLORIDA	7359/7359
DR0358	2/08/99	FLORIDA	7345/7345
DR0359	2/08/99	FLORIDA	7365/7365
DR0360	2/08/99	RINKER	4315/4315
DR0361	2/08/99	FLORIDA	7363/7363
DR0362	2/08/99	R.A. SAND	982/982
DR0363	2/08/99	R.A. SAND	981/981
DR0364	2/08/99	RINKER	4334/4334
DR0365	2/08/99	R.A. SAND	991/991
DR0366	2/08/99	R.A. SAND	970/970
DR0367	2/08/99	FLORIDA	7264/7264
DR0368	2/08/99	FLORIDA	7350/7350
DR0369	2/08/99	FLORIDA	7223/7223
DR0370	2/08/99	RINKER	4296/4296
DR0371	2/08/99	RINKER	4141/4141
DR0372	2/09/99	RINKER	4308/4308
DR0373	2/09/99	FLORIDA	7361/7361
DR0374	2/09/99	FLORIDA	7362/7362
DR0375	2/09/99	FLORIDA	7353/7353
DR0376	2/09/99	FLORIDA	7335/7335
DR0377	2/09/99	FLORIDA	7356/7356
DR0378	2/09/99	FLORIDA	7345/7345
DR0379	2/09/99	FLORIDA	7364/7364
DR0380	2/09/99	FLORIDA	7365/7365
DR0381	2/09/99	FLORIDA	7359/7359
DR0382	2/09/99	RINKER	4313/4313
DR0383	2/09/99	RINKER	4334/4334
DR0384	2/09/99	FLORIDA	7363/7363
DR0385	2/09/99	RINKER	4315/4315
DR0386	2/09/99	RINKER	4327/4327
DR0387	2/09/99	RINKER	4141/4141
DR0388	2/09/99	RINKER	4296/4296
DR0389	2/10/99	FLORIDA	7361/7361
DR0390	2/10/99	RINKER	4325/4325
DR0391	2/10/99	RINKER	4308/4308
DR0392	2/10/99	FLORIDA	7362/7362
DR0393	2/10/99	FLORIDA	7345/7345
DR0394	2/10/99	FLORIDA	7335/7335
DR0395	2/10/99	FLORIDA	7356/7356
DR0396	2/10/99	FLORIDA	7364/7364
DR0397	2/10/99	FLORIDA	7365/7365
DR0398	2/10/99	FLORIDA	7359/7359
DR0399	2/10/99	RINKER	4259/4259
DR0400	2/10/99	RINKER	4313/4313

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0401	2/10/99	RINKER	4334/4334
DR0402	2/10/99	RINKER	4315/4315
DR0403	2/10/99	FLORIDA	7363/7363
DR0404	2/10/99	FLORIDA	7223/7223
DR0405	2/10/99	FLORIDA	7350/7350
DR0406	2/10/99	R.A. SAND	991/991
DR0407	2/10/99	R.A. SAND	981/981
DR0408	2/10/99	R.A. SAND	970/970
DR0409	2/10/99	RINKER	4327/4327
DR0410	2/10/99	R.A. SAND	975/975
DR0411	2/10/99	FLORIDA	7344/7344
DR0412	2/10/99	RINKER	4141/4141
DR0413	2/11/99	RINKER	4325/4325
DR0414	2/11/99	RINKER	4313/4313
DR0415	2/11/99	RINKER	4308/4308
DR0416	2/11/99	RINKER	4327/4327
DR0417	2/11/99	FLORIDA	7361/7361
DR0418	2/11/99	FLORIDA	7335/7335
DR0419	2/11/99	FLORIDA	7353/7353
DR0420	2/11/99	FLORIDA	7356/7356
DR0421	2/11/99	FLORIDA	7364/7364
DR0422	2/11/99	FLORIDA	7345/7345
DR0423	2/11/99	FLORIDA	7362/7362
DR0424	2/11/99	FLORIDA	7359/7359
DR0425	2/11/99	RINKER	4315/4315
DR0426	2/11/99	FLORIDA	7365/7365
DR0427	2/11/99	RINKER	4334/4334
DR0428	2/11/99	FLORIDA	7363/7363
DR0429	2/11/99	FLORIDA	7344/7344
DR0430	2/11/99	FLORIDA	7223/7223
DR0431	2/11/99	FLORIDA	7350/7350
DR0432	2/11/99	RINKER	4302/4302
DR0433	2/11/99	RINKER	4141/4141
DR0434	2/11/99	RINKER	4296/4296
DR0435	2/11/99	RINKER	4109/4109
DR0436	2/12/99	RINKER	4269/4269
DR0437	2/12/99	FLORIDA	7353/7353
DR0438	2/12/99	FLORIDA	7335/7335
DR0439	2/12/99	RINKER	4325/4325
DR0440	2/12/99	RINKER	4313/4313
DR0441	2/12/99	FLORIDA	7344/7344
DR0442	2/12/99	FLORIDA	7345/7345
DR0443	2/12/99	RINKER	4308/4308
DR0444	2/12/99	RINKER	4327/4327
DR0445	2/12/99	FLORIDA	7361/7361
DR0446	2/12/99	FLORIDA	7365/7365
DR0447	2/12/99	FLORIDA	7362/7362
DR0448	2/12/99	FLORIDA	7350/7350
DR0449	2/12/99	FLORIDA	7223/7223
DR0450	2/12/99	FLORIDA	7359/7359

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0451	2/12/99	FLORIDA	7364/7364
DR0452	2/12/99	FLORIDA	7356/7356
DR0453	2/12/99	RINKER	4302/4302
DR0454	2/12/99	RINKER	4315/4315
DR0455	2/12/99	RINKER	4334/4334
DR0456	2/12/99	RINKER	4141/4141
DR0457	2/12/99	RINKER	4109/4109
DR0458	2/12/99	RINKER	4296/4296
DR0459	2/16/99	RINKER	4308/4308
DR0460	2/16/99	FLORIDA	7361/7361
DR0461	2/16/99	FLORIDA	7356/7356
DR0462	2/16/99	RINKER	4325/4325
DR0463	2/16/99	RINKER	4313/4313
DR0464	2/16/99	FLORIDA	7345/7345
DR0465	2/16/99	RINKER	4327/4327
DR0466	2/16/99	FLORIDA	7344/7344
DR0467	2/16/99	FLORIDA	7364/7364
DR0468	2/16/99	FLORIDA	7362/7262
DR0469	2/16/99	FLORIDA	7359/7359
DR0470	2/16/99	FLORIDA	7363/7363
DR0471	2/16/99	FLORIDA	7365/7365
DR0472	2/16/99	R.A. SAND	981/981
DR0473	2/16/99	R.A. SAND	982/982
DR0474	2/16/99	R.A. SAND	991/991
DR0475	2/16/99	R.A. SAND	970/970
DR0476	2/16/99	FLORIDA	7350/7350
DR0477	2/16/99	RINKER	4315/4315
DR0478	2/16/99	FLORIDA	7223/7223
DR0479	2/16/99	RINKER	4334/4334
DR0480	2/16/99	RINKER	4333/4333
DR0481	2/16/99	FLORIDA	7353/7353
DR0482	2/16/99	RINKER	4302/4302
DR0483	2/16/99	RINKER	4296/4296
DR0484	2/16/99	RINKER	4335/4335
DR0485	2/16/99	RINKER	4141/4141
DR0486	2/17/99	FLORIDA	7344/7344
DR0487	2/17/99	FLORIDA	7345/7345
DR0488	2/17/99	RINKER	4325/4325
DR0489	2/17/99	FLORIDA	7353/7353
DR0490	2/17/99	FLORIDA	7356/7356
DR0491	2/17/99	FLORIDA	7361/7361
DR0492	2/17/99	RINKER	4308/4308
DR0493	2/17/99	RINKER	4313/4313
DR0494	2/17/99	RINKER	4327/4327
DR0495	2/17/99	FLORIDA	7362/7362
DR0496	2/17/99	FLORIDA	7364/7364
DR0497	2/17/99	FLORIDA	7223/7223
DR0498	2/17/99	FLORIDA	7350/7350
DR0499	2/17/99	FLORIDA	7365/7365
DR0500	2/17/99	FLORIDA	7359/7359

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0501	2/17/99	RINKER	4315/4315
DR0502	2/17/99	RINKER	4334/4334
DR0503	2/17/99	FLORIDA	7363/7363
DR0504	2/17/99	RINKER	4335/4335
DR0505	2/17/99	RINKER	4333/4333
DR0506	2/17/99	RINKER	4302/4302
DR0507	2/17/99	RINKER	4141/4141
DR0508	2/18/99	RINKER	4325/4325
DR0509	2/18/99	RINKER	4302/4302
DR0510	2/18/99	FLORIDA	7335/7335
DR0511	2/18/99	FLORIDA	7344/7344
DR0512	2/18/99	FLORIDA	7345/7345
DR0513	2/18/99	FLORIDA	7353/7353
DR0514	2/18/99	FLORIDA	7356/7356
DR0515	2/18/99	RINKER	4308/4308
DR0516	2/18/99	FLORIDA	7361/7361
DR0517	2/18/99	RINKER	4313/4313
DR0518	2/18/99	FLORIDA	7364/7364
DR0519	2/18/99	FLORIDA	7223/7223
DR0520	2/18/99	FLORIDA	7350/7350
DR0521	2/18/99	FLORIDA	7362/7362
DR0522	2/18/99	FLORIDA	7359/7359
DR0523	2/18/99	RINKER	4315/4315
DR0524	2/18/99	RINKER	4333/4333
DR0525	2/18/99	FLORIDA	7365/7365
DR0526	2/18/99	RINKER	4328/4328
DR0527	2/18/99	RINKER	4335/4335
DR0528	2/18/99	RINKER	4327/4327
DR0529	2/18/99	RINKER	4334/4334
DR0530	2/18/99	FLORIDA	7363/7363
DR0531	2/19/99	RINKER	4302/4302
DR0532	2/19/99	RINKER	4308/4308
DR0533	2/19/99	RINKER	4312/4312
DR0534	2/19/99	FLORIDA	7344/7344
DR0535	2/19/99	RINKER	4313/4313
DR0536	2/19/99	RINKER	4325/4325
DR0537	2/19/99	FLORIDA	7361/7361
DR0538	2/19/99	FLORIDA	7345/7345
DR0539	2/19/99	FLORIDA	7335/7335
DR0540	2/19/99	RINKER	4327/4327
DR0541	2/19/99	FLORIDA	7356/7356
DR0542	2/19/99	FLORIDA	7364/7364
DR0543	2/19/99	FLORIDA	7362/7362
DR0544	2/19/99	FLORIDA	7350/7350
DR0545	2/19/99	FLORIDA	7365/7365
DR0546	2/19/99	FLORIDA	7223/7223
DR0547	2/19/99	FLORIDA	7359/7359
DR0548	2/19/99	RINKER	4315/4315
DR0549	2/19/99	RINKER	4328/4328
DR0550	2/19/99	RINKER	4335/4335

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0551	2/19/99	FLORIDA	7363/7363
DR0552	2/19/99	RINKER	4334/4334
DR0553	2/23/99	RINKER	4302/4302
DR0554	2/23/99	FLORIDA	7361/7361
DR0555	2/23/99	RINKER	4308/4308
DR0556	2/23/99	RINKER	4325/4325
DR0557	2/23/99	RINKER	4313/4313
DR0558	2/23/99	FLORIDA	7345/7345
DR0559	2/23/99	FLORIDA	7344/7344
DR0560	2/23/99	FLORIDA	7356/7356
DR0561	2/23/99	RINKER	4327/4327
DR0562	2/23/99	FLORIDA	7364/7364
DR0563	2/23/99	FLORIDA	7223/7223
DR0564	2/23/99	FLORIDA	7350/7350
DR0565	2/23/99	FLORIDA	7365/7365
DR0566	2/23/99	FLORIDA	7362/7362
DR0567	2/23/99	FLORIDA	7359/7359
DR0568	2/23/99	RINKER	4315/4315
DR0569	2/23/99	FLORIDA	7363/7363
DR0570	2/23/99	FLORIDA	7353/7353
DR0571	2/23/99	RINKER	4334/4334
DR0572	2/23/99	RINKER	4335/4335
DR0573	2/23/99	RINKER	4333/4333
DR0574	2/23/99	RINKER	4296/4296
DR0575	2/23/99	FLORIDA	7264/7264
DR0576	2/24/99	FLORIDA	7353/7353
DR0577	2/24/99	FLORIDA	7361/7361
DR0578	2/24/99	RINKER	4302/4302
DR0579	2/24/99	RINKER	4308/4308
DR0580	2/24/99	FLORIDA	7344/7344
DR0581	2/24/99	RINKER	4313/4313
DR0582	2/24/99	FLORIDA	7345/7345
DR0583	2/24/99	RINKER	4325/4325
DR0584	2/24/99	FLORIDA	7362/7362
DR0585	2/24/99	RINKER	4327/4327
DR0586	2/24/99	FLORIDA	7365/7365
DR0587	2/24/99	FLORIDA	7356/7356
DR0588	2/24/99	FLORIDA	7350/7350
DR0589	2/24/99	FLORIDA	7359/7359
DR0590	2/24/99	RINKER	4335/4335
DR0591	2/24/99	FLORIDA	7223/7223
DR0592	2/24/99	FLORIDA	7364/7364
DR0593	2/24/99	RINKER	4315/4315
DR0594	2/24/99	FLORIDA	7363/7363
DR0595	2/24/99	RINKER	4334/4334
DR0596	2/24/99	FLORIDA	7264/7264
DR0597	2/25/99	RINKER	4313/4313
DR0598	2/25/99	RINKER	4308/4308
DR0599	2/25/99	FLORIDA	7361/7361
DR0600	2/25/99	RINKER	4325/4325

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0601	2/25/99	FLORIDA	7344/7344
DR0602	2/25/99	FLORIDA	7345/7345
DR0603	2/25/99	FLORIDA	7364/7364
DR0604	2/25/99	FLORIDA	7362/7362
DR0605	2/25/99	RINKER	4296/4296
DR0606	2/25/99	RINKER	4327/4327
DR0607	2/25/99	FLORIDA	7353/7353
DR0608	2/25/99	FLORIDA	7356/7356
DR0609	2/25/99	FLORIDA	7359/7359
DR0610	2/25/99	FLORIDA	7365/7365
DR0611	2/25/99	RINKER	4315/4315
DR0612	2/25/99	RINKER	4334/4334
DR0613	2/25/99	FLORIDA	7363/7363
DR0614	2/25/99	FLORIDA	7264/7264
DR0615	2/25/99	RINKER	4335/4335
DR0616	2/25/99	FLORIDA	7223/7223
DR0617	2/25/99	FLORIDA	7350/7350
DR0618	2/25/99	RINKER	4141/4141
DR0619	2/26/99	FLORIDA	7356/7356
DR0620	2/26/99	FLORIDA	7353/7353
DR0621	2/26/99	FLORIDA	7361/7361
DR0622	2/26/99	FLORIDA	7344/7344
DR0623	2/26/99	FLORIDA	7364/7364
DR0624	2/26/99	FLORIDA	7345/7345
DR0625	2/26/99	RINKER	4327/4327
DR0626	2/26/99	FLORIDA	7359/7359
DR0627	2/26/99	FLORIDA	7365/7365
DR0628	2/26/99	FLORIDA	7362/7362
DR0629	2/26/99	RINKER	4335/4335
DR0630	2/26/99	RINKER	4333/4333
DR0631	2/26/99	RINKER	4315/4315
DR0632	2/26/99	RINKER	4334/4334
DR0633	2/26/99	FLORIDA	7363/7363
DR0634	2/26/99	RINKER	4296/4296
DR0635	2/26/99	RINKER	4141/4141
DR0636	3/01/99	FLORIDA	7356/7356
DR0637	2/27/99	FLORIDA	7363/7363
DR0638	3/01/99	FLORIDA	7344/7344
DR0639	3/01/99	FLORIDA	7345/7345
DR0640	3/01/99	FLORIDA	7364/7364
DR0641	3/01/99	FLORIDA	7365/7365
DR0642	3/01/99	RINKER	4335/4335
DR0643	3/01/99	RINKER	4302/4302
DR0644	3/01/99	RINKER	4308/4308
DR0645	3/01/99	FLORIDA	7361/7361
DR0646	3/01/99	RINKER	4315/4315
DR0647	3/01/99	RINKER	4141/4141
DR0648	3/01/99	FLORIDA	7363/7363
DR0649	3/01/99	RINKER	4296/4296
DR0650	3/01/99	RINKER	4334/4334

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0651	3/01/99	RINKER	4336/4336
DR0652	3/02/99	FLORIDA	7264/7264
DR0653	3/02/99	FLORIDA	7364/7364
DR0654	3/02/99	FLORIDA	7345/7345
DR0655	3/02/99	FLORIDA	7359/7359
DR0656	3/02/99	FLORIDA	7344/7344
DR0657	3/02/99	FLORIDA	7353/7353
DR0658	3/02/99	FLORIDA	7356/7356
DR0659	3/02/99	FLORIDA	7365/7365
DR0660	3/02/99	RINKER	4327/4327
DR0661	3/02/99	FLORIDA	7362/7362
DR0662	3/02/99	RINKER	4313/4313
DR0663	3/02/99	RINKER	4325/4325
DR0664	3/02/99	RINKER	4141/4141
DR0665	3/02/99	RINKER	4336/4336
DR0666	3/02/99	FLORIDA	7363/7363
DR0667	3/02/99	RINKER	4302/4302
DR0668	3/02/99	FLORIDA	7361/7361
DR0669	3/03/99	FLORIDA	7264/7264
DR0670	3/03/99	FLORIDA	7364/7364
DR0671	3/03/99	FLORIDA	7362/7362
DR0672	3/03/99	FLORIDA	7359/7359
DR0673	3/03/99	FLORIDA	7345/7345
DR0674	3/03/99	FLORIDA	7344/7344
DR0675	3/03/99	RINKER	4327/4327
DR0676	3/03/99	FLORIDA	7356/7356
DR0677	3/03/99	FLORIDA	7365/7365
DR0678	3/03/99	RINKER	4141/4141
DR0679	3/03/99	RINKER	4315/4315
DR0680	3/03/99	RINKER	4302/4302
DR0681	3/03/99	RINKER	4296/4296
DR0682	3/03/99	FLORIDA	7361/7361
DR0683	3/03/99	RINKER	4334/4334
DR0684	3/03/99	FLORIDA	7363/7363
DR0685	3/04/99	FLORIDA	7364/7364
DR0686	3/04/99	FLORIDA	7264/7264
DR0687	3/04/99	FLORIDA	7359/7359
DR0688	3/04/99	FLORIDA	7345/7345
DR0689	3/04/99	FLORIDA	7362/7362
DR0690	3/04/99	FLORIDA	7344/7344
DR0691	3/04/99	FLORIDA	7353/7353
DR0692	3/04/99	FLORIDA	7356/7356
DR0693	3/04/99	RINKER	4313/4313
DR0694	3/04/99	RINKER	4325/4325
DR0695	3/04/99	FLORIDA	7365/7365
DR0696	3/04/99	RINKER	4302/4302
DR0697	3/04/99	FLORIDA	7361/7361
DR0698	3/04/99	FLORIDA	7223/7223
DR0699	3/04/99	FLORIDA	7350/7350
DR0700	3/04/99	RINKER	4335/4335

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
DR0701	3/04/99	RINKER	4308/4308
DR0702	3/22/99	FLORIDA	7335/7335
DR0703	3/22/99	FLORIDA	7345/7345
DR0704	3/22/99	FLORIDA	7356/7356
DR0705	3/22/99	FLORIDA	7363/7363
DR0706	3/22/99	FLORIDA	7353/7353
DR7007	3/23/99	WILLS TRUCKING*	193/193
DR0708	3/23/99	WILLS TRUCKING*	216/216
DR0709	3/23/99	WILLS TRUCKING*	50055/50055
DR0710	3/23/99	WILLS TRUCKING*	40103/40103
DR0711	3/24/99	RINKER	4313/4313
DR0712	3/24/99	RINKER	4325/4325
DR0713	3/24/99	WILLS TRUCKING*	50120/50120
DR0714	3/24/99	WILLS TRUCKING*	40127/40127
DR0715	3/24/99	WILLS TRUCKING*	196/196
DR0716	3/24/99	WILLS TRUCKING*	206/206
DR0717	3/25/99	RINKER	4313/4313
DR0718	3/25/99	RINKER	4325/4325
DR0719	3/25/99	FLORIDA	7356/7356
DR0720	3/25/99	FLORIDA	7353/7353
DR0721	3/25/99	FLORIDA	7371/7371
DR0722	3/25/99	FLORIDA	7345/7345
DR0723	3/25/99	RINKER	4302/4302
DR0724	3/25/99	RINKER	4141/4141
DR0725	3/25/99	RINKER	4334/4334
DR0726	3/25/99	FLORIDA	7364/7364
DR0727	3/26/99	RINKER	4302/4302
DR0728	3/26/99	RINKER	4325/4325
DR0729	3/26/99	RINKER	4313/4313
DR0730	3/26/99	FLORIDA	7356/7356
DR0731	3/26/99	FLORIDA	7353/7353
DR0732	3/26/99	FLORIDA	7364/7364
DR0733	3/26/99	RINKER	4141/4141
DR0734	3/26/99	WILLS TRUCKING*	62004/62004
DR0735	3/26/99	WILLS TRUCKING*	62010/62010
DR0736	3/27/99	RINKER	4313/4313
DR0737	3/27/99	RINKER	4325/4325
DR0738	3/27/99	RINKER	4141/4141
DR0739	3/27/99	WILLS TRUCKING*	62002/62002
DR0740	3/29/99	WILLS TRUCKING*	62009/62009
DR0741	4/10/99	SOILTECH	831/831
DR0742	4/10/99	WILLS TRUCKING*	124/124
DR0743	4/10/99	ROBBIE D. WOOD*	111/111
DR0744	4/10/99	ROBBIE D. WOOD*	113/113
DR0745	4/10/99	ROBBIE D. WOOD*	116/116

NOTE: * Indicates hazardous waste (lead or PCBs) load.

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
TA001	3/01/99	RINKER	4325/4325
TA002	3/01/99	RINKER	4313/4313
TA003	3/01/99	FLORIDA	7264/7264
TA004	3/01/99	FLORIDA	7359/7359
TA005	3/01/99	FLORIDA	7353/7353
TA006	3/01/99	RINKER	4327/4327
TA007	3/04/99	RINKER	4315/4315
TA008	3/04/99	FLORIDA	7363/7363
TA009	3/04/99	RINKER	4334/4334
TA010	3/04/99	RINKER	4296/4296
TA011	3/04/99	RINKER	4141/4141
TA012	3/04/99	RINKER	4327/4327
TA013	3/04/99	RINKER	4336/4336
TA014	3/05/99	RINKER	4302/4302
TA015	3/05/99	FLORIDA	7264/7264
TA016	3/05/99	RINKER	4325/4325
TA017	3/05/99	RINKER	4313/4313
TA018	3/05/99	FLORIDA	7364/7364
TA019	3/05/99	FLORIDA	7353/7353
TA020	3/05/99	FLORIDA	7356/7356
TA021	3/05/99	FLORIDA	7345/7345
TA022	3/05/99	FLORIDA	7361/7361
TA023	3/05/99	FLORIDA	7344/7344
TA024	3/05/99	FLORIDA	7359/7359
TA025	3/05/99	FLORIDA	7365/7365
TA026	3/05/99	FLORIDA	7223/7223
TA027	3/05/99	FLORIDA	7350/7350
TA028	3/05/99	FLORIDA	7362/7362
TA029	3/05/99	RINKER	417/417
TA030	3/05/99	SOILTECH	831/831
TA031	3/05/99	SOILTECH	871/871
TA032	3/05/99	SOILTECH	775/775
TA033	3/05/99	SOILTECH	25/25
TA034	3/05/99	SOILTECH	654/654
TA035	3/05/99	SOILTECH	279/279
TA036	3/05/99	SOILTECH	2645/2645
TA037	3/05/99	SOILTECH	101/101
TA038	3/05/99	SOILTECH	321/321
TA039	3/05/99	SOILTECH	653/653
TA040	3/08/99	FLORIDA	7264/7264
TA041	3/08/99	RINKER	4325/4325
TA042	3/08/99	FLORIDA	7359/7359
TA043	3/08/99	FLORIDA	7361/7361
TA044	3/08/99	FLORIDA	7345/7345
TA045	3/08/99	FLORIDA	7344/7344
TA046	3/08/99	FLORIDA	7362/7362
TA047	3/08/99	FLORIDA	7364/7364
TA048	3/08/99	FLORIDA	7353/7353
TA049	3/08/99	FLORIDA	7350/7350
TA050	3/08/99	FLORIDA	7223/7223

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
TA051	3/08/99	SOILTECH	68/68
TA052	3/08/99	SOILTECH	25/25
TA053	3/08/99	SOILTECH	627/627
TA054	3/08/99	SOILTECH	36/36
TA055	3/08/99	SOILTECH	831/831
TA056	3/08/99	SOILTECH	417/417
TA057	3/08/99	SOILTECH	321/321
TA058	3/08/99	SOILTECH	775/775
TA059	3/08/99	SOILTECH	871/871
TA060	3/08/99	SOILTECH	713/713
TA061	3/08/99	FLORIDA	7365/7365
TA062	3/08/99	RINKER	4327/4327
TA063	3/09/99	RINKER	432/4302
TA064	3/09/99	RINKER	4325/4325
TA065	3/09/99	FLORIDA	7264/7264
TA066	3/09/99	FLORIDA	7364/7364
TA067	3/09/99	FLORIDA	7344/7344
TA068	3/09/99	FLORIDA	7345/7345
TA069	3/09/99	FLORIDA	7353/7353
TA070	3/09/99	FLORIDA	7362/7362
TA071	3/09/99	RINKER	4327/4327
TA072	3/09/99	FLORIDA	7356/7356
TA073	3/09/99	FLORIDA	7361/7361
TA074	3/09/99	FLORIDA	7365/7365
TA075	3/09/99	FLORIDA	7363/7363
TA076	3/09/99	FLORIDA	7223/7223
TA077	3/09/99	FLORIDA	7350/7350
TA078	3/09/99	SOILTECH	245/245
TA079	3/09/99	SOILTECH	831/831
TA080	3/09/99	SOILTECH	243/243
TA081	3/09/99	SOILTECH	713/713
TA082	3/09/99	SOILTECH	417/417
TA083	3/09/99	SOILTECH	871/871
TA084	3/09/99	SOILTECH	36/36
TA085	3/09/99	SOILTECH	321/321
TA086	3/09/99	SOILTECH	35/35
TA087	3/09/99	SOILTECH	68/68
TA088	3/09/99	SOILTECH	25/25
TA089	3/09/99	SOILTECH	775/775
TA090	3/09/99	SOILTECH	653/653
TA099	3/10/99	FLORIDA	7264/7264
TA092	3/10/99	FLORIDA	7364/7364
TA093	3/10/99	RINKER	4302/4302
TA094	3/10/99	RINKER	4325/4325
TA095	3/10/99	SOILTECH	713/713
TA096	3/10/99	FLORIDA	7350/7350
TA097	3/10/99	FLORIDA	7223/7223
TA098	3/10/99	SOILTECH	321/321
TA099	3/10/99	SOILTECH	627/627
TA100	3/10/99	SOILTECH	654/654

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
TA101	3/10/99	SOILTECH	101/101
TA102	3/10/99	FLORIDA	7363/7363
TA103	3/10/99	SOILTECH	68/68
TA104	3/10/99	SOILTECH	35/35
TA105	3/10/99	SOILTECH	36/36
TA106	3/10/99	FLORIDA	7353/7353
TA107	3/10/99	FLORIDA	7356/7356
TA108	3/10/99	FLORIDA	7345/7345
TA109	3/10/99	FLORIDA	7362/7362
TA110	3/10/99	RINKER	4327/4327
TA111	3/10/99	SOILTECH	243/243
TA112	3/10/99	SOILTECH	653/653
TA113	3/10/99	SOILTECH	244/244
TA114	3/10/99	SOILTECH	418/418
TA115	3/10/99	FLORIDA	7365/7365
TA116	3/11/99	FLORIDA	7264/7264
TA117	3/11/99	RINKER	4325/4325
TA118	3/11/99	RINKER	4302/4302
TA119	3/11/99	FLORIDA	7364/7364
TA120	3/11/99	FLORIDA	7350/7350
TA121	3/11/99	FLORIDA	7223/7223
TA122	3/11/99	FLORIDA	7365/7365
TA123	3/11/99	FLORIDA	7363/7363
TA124	3/11/99	FLORIDA	7356/7356
TA125	3/11/99	FLORIDA	7345/7345
TA126	3/11/99	FLORIDA	7335/7335
TA127	3/11/99	FLORIDA	7344/7344
TA128	3/11/99	RINKER	4141/4141
TA129	3/11/99	RINKER	4327/4327
TA130	3/11/99	RINKER	4296/4296
TA131	3/11/99	SOILTECH	244/244
TA132	3/11/99	SOILTECH	418/418
TA133	3/11/99	SOILTECH	243/243
TA134	3/11/99	SOILTECH	245/245
TA135	3/11/99	SOILTECH	66/66
TA136	3/11/99	SOILTECH	36/36
TA137	3/11/99	SOILTECH	501/501
TA138	3/11/99	SOILTECH	67/67
TA139	3/11/99	SOILTECH	35/35
TA140	3/11/99	SOILTECH	60/60
TA141	3/12/99	RINKER	417/417
TA142	3/12/99	SOILTECH	831/831
TA143	3/12/99	SOILTECH	871/871
TA144	3/12/99	SOILTECH	321/321
TA145	3/12/99	RINKER	4333/4333
TA146	3/12/99	RINKER	4335/4335
TA147	3/12/99	FLORIDA	7264/7264
TA148	3/12/99	FLORIDA	7344/7344
TA149	3/12/99	FLORIDA	7345/7345
TA150	3/12/99	SOILTECH	653/653

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
TA151	3/12/99	FLORIDA	7362/7362
TA152	3/12/99	FLORIDA	7223/7223
TA153	3/12/99	FLORIDA	7350/7350
TA154	3/12/99	FLORIDA	7365/7365
TA155	3/12/99	RINKER	4338/4338
TA156	3/12/99	RINKER	4141/4141
TA157	3/12/99	FLORIDA	7363/7363
TA158	3/12/99	RINKER	4327/4327
TA159	3/12/99	RINKER	4315/4315
TA160	3/12/99	RINKER	4334/4334
TA161	3/12/99	FLORIDA	7356/7356
TA162	3/12/99	FLORIDA	7353/7353
TA163	3/12/99	FLORIDA	7318/7318
TA164	3/12/99	FLORIDA	7335/7335
TA165	3/12/99	SOILTECH	36/36
TA166	3/12/99	SOILTECH	501/501
TA167	3/12/99	SOILTECH	244/244
TA168	3/12/99	RINKER	4336/4336
TA169	3/12/99	SOILTECH	35/35
TA170	3/12/99	SOILTECH	243/243
TA171	3/12/99	SOILTECH	245/245
TA172	3/12/99	SOILTECH	66/66
TA173	3/17/99	FLORIDA	7350/7350
TA174	3/17/99	FLORIDA	7363/7363
TA175	3/17/99	FLORIDA	7223/7223
TA176	3/17/99	FLORIDA	7356/7356
TA177	3/17/99	FLORIDA	7365/7365
TA178	3/17/99	FLORIDA	7364/7364
TA179	3/17/99	FLORIDA	7335/7335
TA180	3/17/99	FLORIDA	7345/7345
TA181	3/17/99	FLORIDA	7344/7344
TA182	3/17/99	RINKER	4141/4141
TA183	3/17/99	FLORIDA	7362/7362
TA184	3/17/99	RINKER	4334/4334
TA185	3/17/99	FLORIDA	7331/7331
TA186	3/18/99	FLORIDA	7264/7264
TA187	3/18/99	RINKER	4325/4325
TA188	3/18/99	FLORIDA	7364/7364
TA189	3/18/99	FLORIDA	7350/7350
TA190	3/18/99	FLORIDA	7365/7365
TA191	3/18/99	FLORIDA	7356/7356
TA192	3/18/99	FLORIDA	7223/7223
TA193	3/18/99	FLORIDA	7362/7362
TA194	3/18/99	FLORIDA	7344/7344
TA195	3/18/99	FLORIDA	7345/7345
TA196	3/18/99	RINKER	4334/4334
TA197	3/18/99	FLORIDA	7363/7363
TA198	3/18/99	RINKER	4141/4141
TA199	3/18/99	FLORIDA	7335/7335
TA200	3/19/99	FLORIDA	7364/7364

WASTE SHIPMENT TRACKING LOG (continued)

MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
TA201	3/19/99	FLORIDA	7353/7353
TA202	3/22/99	FLORIDA	7364/7364
TA203	3/22/99	FLORIDA	7350/7350
TA204	3/22/99	FLORIDA	7223/7223
TA205	3/22/99	FLORIDA	7344/7344
TA206	3/22/99	FLORIDA	7362/7362
TA207	3/22/99	FLORIDA	7370/7370
TA208	3/23/99	FLORIDA	7335/7335
TA209	3/23/99	RINKER	4335/4335
TA210	3/23/99	FLORIDA	7364/7364
TA211	3/23/99	FLORIDA	7362/7362
TA212	3/23/99	FLORIDA	7350/7350
TA213	3/23/99	FLORIDA	7365/7365
TA214	3/23/99	FLORIDA	7223/7223
TA215	3/23/99	RINKER	4141/4141
TA216	3/23/99	FLORIDA	7344/7344
TA217	3/23/99	FLORIDA	7353/7353
TA218	3/23/99	FLORIDA	7357/7357
TA219	3/23/99	FLORIDA	7345/7345
TA220	3/23/99	FLORIDA	7356/7356
TA221	3/23/99	RINKER	4334/4334
TA222	3/23/99	FLORIDA	7363/7363
TA223	3/24/99	RINKER	4141/4141
TA224	3/24/99	RINKER	4335/4335
TA225	3/25/99	RINKER	4308/4308
TA226	3/25/99	FLORIDA	7334/7334
TA227	4/08/99	SOILTECH	417/417
TA228	4/08/99	SOILTECH	279/279
TA229	4/08/99	SOILTECH	775/775
TA230	4/08/99	SOILTECH	627/627
TA231	4/08/99	SOILTECH	2645/2645
TA232	4/08/99	SOILTECH	101/101
TA233	4/08/99	SOILTECH	131/131
TA234	4/08/99	SOILTECH	724/724
TA235	4/08/99	SOILTECH	2643/2643
TA236	4/08/99	SOILTECH	653/653
TA237	MANIFEST NO. SKIPPED	MANIFEST NO. SKIPPED	MANIFEST NO. SKIPPED
TA238	4/09/99	SOILTECH	417/417
TA239	4/09/99	SOILTECH	831/831
TA240	4/09/99	SOILTECH	775/775
TA241	4/09/99	SOILTECH	101/101
TA242	4/09/99	SOILTECH	138/138
TA243	4/09/99	SOILTECH	131/131
TA244	4/09/99	SOILTECH	279/279
TA245	4/10/99	SOILTECH	417/417

WASTE SHIPMENT TRACKING LOG (continued)

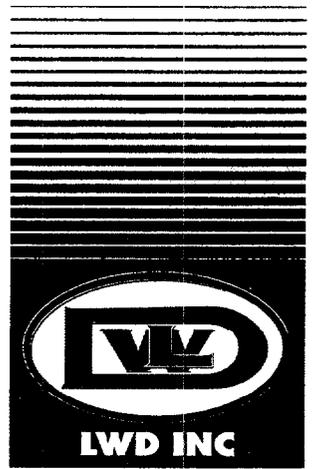
MANIFEST NUMBER	DATE	TRANSPORTER	TRUCK/TRAILER NUMBER
HM001	3/30/99	RINKER	4334/4334
HM002	3/31/99	RINKER	4141/4141
HM003	3/31/99	RINKER	4313/4313
HM004	3/31/99	RINKER	4325/4325
HM005	3/31/99	RINKER	4334/4334
HM006	4/06/99	SOILTECH	321/321
HM007	4/06/99	SOILTECH	35/35
HM008	4/06/99	SOILTECH	775/775
HM009	4/06/99	SOILTECH	717/717
HM010	4/06/99	SOILTECH	871/871
HM011	4/10/99	SOILTECH	775/775

**Signed Manifests for Hazardous Waste
(Soil Contaminated with Lead, D008 Waste Code)
Shipped to
LWD Inc.
Calvert City Facility**

L W D, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153

Nicke Ring
BECHTEL ENVIRONMENTAL
151 Lafayette
Oak Ridge, TN. 37830



PER SCOTT CLARY'S REQUEST (AMERICAN ENVIRONMENTAL SERVICES), ENCLOSED ARE COPIES OF SIGNED MANIFEST FOR THE NAVAL AIR STATION TRUMAN ANNEX FROM KEY WEST, FL.

IF YOU SHOULD HAVE ANY QUESTIONS, PLEASE CALL.

A handwritten signature in black ink, which appears to read 'D'Wayne Pea'. The signature is written in a cursive style.

D'WAYNE PEA

5981

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

Form Approved. OMB No. 2050-0039.

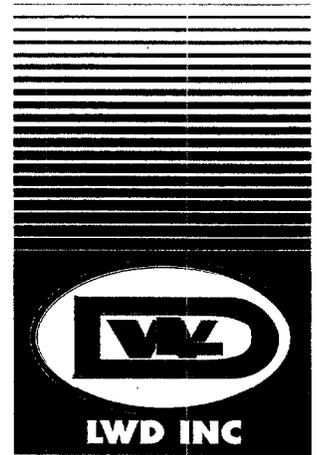
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. F L 4 1 7 0 0 2 3 7 8	Manifest Document No. RDR 707	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001				A. State Manifest Document Number		
4. Generator's Phone (305) 295-8382 293-2061 Phillip Williams				B. State Generator's ID		
5. Transporter 1 Company Name WILLS TRUCKING INC.		6. US EPA ID Number L O H D 0 6 8 9 1 3 4 0 9		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (216) 659-9381		
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029		10. US EPA ID Number L K Y D 9 1 5 0 7 3 1 9 6		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone (502) 395-8313		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. <input checked="" type="checkbox"/> RM RQ Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ERG# 171				No. Type 0 0 1 D T	44,000 85 47500	P
b.						
c.						
d.						
I. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
A: SBC31 MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CCDE 1883 PM KEY WEST, FL 33040 AES 24 HR#'S (412) 486-0871 X226 / AFTER HRS 412/427-4648				M11, M141		
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Phillip Williams		Signature Phillip Williams		Month Day Year 10/31/97		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name RONALD D SPENCER 193		Signature Ronald D Spencer		Month Day Year 10/31/97		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space #13 changed per scale ticket per Scott Clary per DWAYNE PER KWK 3-259						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Ken Riley		Signature Ken Riley		Month Day Year 10/31/97		



ORIGINAL-RETURN TO GENERATOR

LWD, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR707

Purchase Order No. N/A

Billed on Invoice No. 60877

The TSD facility certifies that these wastes were treated on 03/29/1999 in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to read 'R. L. O. H.', is written over a horizontal line.

Environmental Coordinator

4/7/99

Date

(9575)

570

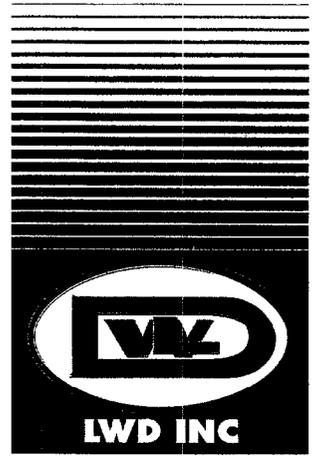
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 417002378		Manifest Document No. OK 706		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001				A. State Manifest Document Number		B. State Generator's ID			
4. Generator's Phone (305) 295-0382 293-2061 Phillip Williams		6. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone (216) 659-9381		E. State Transporter's ID	
5. Transporter 1 Company Name WILLS TRUCKING INC.		0 H D 0 1 8 9 1 3 4 0 9		8. US EPA ID Number		F. Transporter's Phone		G. State Facility's ID	
7. Transporter 2 Company Name		10. US EPA ID Number		9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029		H. Facility's Phone (502) 395-8313		I. Waste No.	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit (W/Vol)			
a. X RQ Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-11; ERG# 171		0 0 1 D T		44.000		P		D008	
b.				41060 KWR					
c.									
d.									
Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
A: SBC31 MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CODE 1883 PM KEY WEST, FL 33040 AES 24 HR'S (412) 486-0871 X226 / AFTER HRS 412/427-4648						M11 / M141			
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Phillip Williams				Signature Phillip Williams		Month Day Year 13 12 1999			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Cindy Nelson				Signature Cindy Nelson		Month Day Year 05 13 1999			
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space #13 Charged per scale ticket per Scot Clary per DWAYNE PEA KWR 3-25-99									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name Ken Riley				Signature Ken Riley		Month Day Year 13 12 1999			



ORIGINAL-RETURN TO GENERATOR

LWD, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR708

Purchase Order No. N/A

Billed on Invoice No. 60877

The TSD facility certifies that these wastes were treated on 03/29/1999
in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to read 'M. R. O. H.', is written over a horizontal line.

Environmental Coordinator

A handwritten date '4/7/99' in black ink is written over a horizontal line.

Date

(9575)

59874

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

Form Approved. OMB No. 2050-0039.

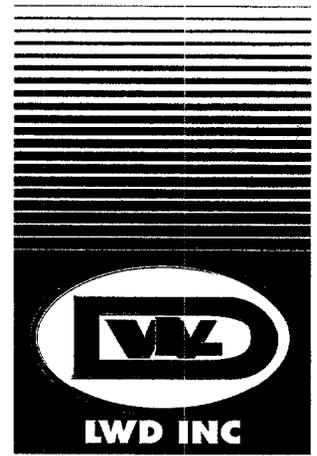
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. F.L.4.1.7.0.0.2.3.7.8.8		Manifest Document No. 0.8.7.0.9		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER HAS KEY WEST, FL 33040-3001				A. State Manifest Document Number		B. State Generator's ID			
4. Generator's Phone (305) 295-8382-293-2861 Phillip Williams		6. US EPA ID Number		C. State Transporter's ID		D. Transporter's Phone (216) 659-9381			
5. Transporter 1 Company Name WILLS TRUCKING INC.		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone 8002232577			
7. Transporter 2 Company Name				10. US EPA ID Number		G. State Facility's ID			
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029				10. US EPA ID Number KYD915073198		H. Facility's Phone (502) 395-8313			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. X RD Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ER04 171						0 0 1 D T	44000	P	D008
b.							46000		
c.									
d.									
Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
A: SBC31 MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CODE 1883 PM KEY WEST, FL 33040 AES 24 HR'S (412) 486-0871 X226 / AFTER HRS 412/427-4648						mill / m141			
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Phillip Williams				Signature Phillip Williams		Month Day Year 12/31/99			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Robert Troop 50055				Signature Robert Troop		Month Day Year 12/31/99			
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space HEIS changed per scale ticket per Scott Cary per DWAYNE PER KWR 3-25-99									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name Ken Riley				Signature Ken Riley		Month Day Year 10/31/99			



ORIGINAL-RETURN TO GENERATOR

LWD, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR709

Purchase Order No. N/A

Billed on Invoice No. 60877

The TSD facility certifies that these wastes were treated on 03/29/1999
in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to read 'M. L. Outh', is written over a horizontal line.

Environmental Coordinator

A handwritten date '4/7/99' in black ink is written over a horizontal line.

Date

(9575)

5987

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

Form Approved. OMB No. 2050-0039.

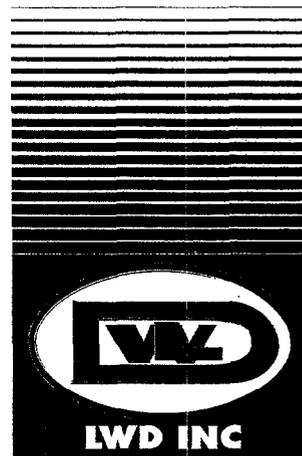
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 4170023		Manifest Document No. 8808710		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address NAVAL AIR STATION RUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001						A. State Manifest Document Number							
4. Generator's Phone (305) 295-8382 293-2061 Phillip Williams						B. State Generator's ID							
5. Transporter 1 Company Name WILLS TRUCKING INC.						6. US EPA ID Number LHDA18913409							
7. Transporter 2 Company Name						8. US EPA ID Number							
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029						10. US EPA ID Number KYD9E507319A							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. X RQ Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ERG# 171						001 DT		EST. 44000		P		D008	
b.								47700 P					
c.													
d.													
J. Additional Descriptions for Materials Listed Above A: SBC31 MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CODE 1883 PM KEY WEST, FL 33040 AES 24 HR'S (412)486-0871 X226 / AFTER HRS 412/427-4648						K. Handling Codes for Wastes Listed Above M11 / M141							
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Phillip Williams						Signature Phillip Williams						Month Day Year 01/31/99	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name WAYNE GERANAM 40103						Signature Wayne Geranam						Month Day Year 01/31/99	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space #13 changed PER scale ticket PER scale ticket PER DWAYNE PER SCOTT CLARY PER 3-25-99													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name KEN RILEY						Signature Ken Riley						Month Day Year 01/31/99	



ORIGINAL-RETURN TO GENERATOR

LWD, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR710

Purchase Order No. N/A

Billed on Invoice No. 60877

The TSD facility certifies that these wastes were treated on 03/29/1999
in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to read 'Allen R. Osh', is written over a horizontal line.

Environmental Coordinator

4/7/99

Date

(9575)

59890

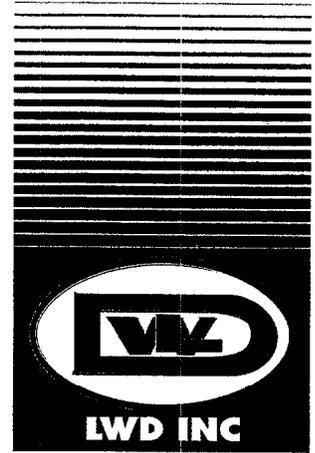
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. F.L.4.1.7.0.0.2.3.7.8.8	Manifest Document No. W 27.1.3	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001				A. State Manifest Document Number		
4. Generator's Phone (305) 295-8382 / 293-2661 Phillip Williams				B. State Generator's ID		
5. Transporter 1 Company Name WILIS TRUCKING INC.		6. US EPA ID Number D.H.D.01.A.91.3.4.0.9		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (216) 659-9381		
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD COLVERT CITY, KY 42029		10. US EPA ID Number K.V.D.9.A.5.0.7.3.1.9.6		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone (502) 395-8313		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol	
			No.	Type	Waste No.	
a.	RM X RQ Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ERG# 171		001	DT	45320 P	D008
b.						
c.						
d.						
Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
A: SBC31 MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CODE 1883 PM KEY WEST, FL 33040 AES 24 HR#S (412)486-0871 X226 / AFTER HRS 412/427-4648				MILL / mill		
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4058 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Phillip Williams			Signature Phillip Williams		Month Day Year 10/31/99	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name FRANK ZALLO - 50120			Signature Frank Zallo		Month Day Year 10/31/99	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year	
19. Discrepancy Indication Space						
Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Stern Stegmann			Signature Stern Stegmann		Month Day Year 10/31/99	



ORIGINAL-RETURN TO GENERIATOR

L W D, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR713

Purchase Order No. N/A

Billed on Invoice No. 60931

The TSD facility certifies that these wastes were treated on 03/29/1999
in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to read 'R. Outh', is written over a horizontal line.

Environmental Coordinator

A handwritten date '4/7/99' in black ink is written over a horizontal line.

Date

(9575)

59891

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

Form Approved. OMB No. 2050-0039.

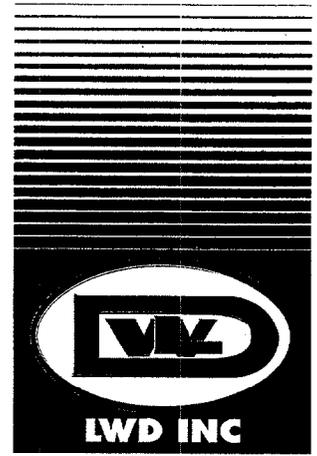
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 4170023708		Manifest Document No. OK 714		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001						A. State Manifest Document Number				
4. Generator's Phone (305) 295-8382-293-2461 Phillip Williams						B. State Generator's ID				
5. Transporter 1 Company Name WILLS TRUCKING INC.				6. US EPA ID Number O.H.D. 068913409		C. State Transporter's ID				
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (216) 659-9381				
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029						10. US EPA ID Number K.Y.D. 985073196		E. State Transporter's ID		
								F. Transporter's Phone		
								G. State Facility's ID		
								H. Facility's Phone (502) 395-8313		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity	14. Unit	15. Waste No.
a. <input checked="" type="checkbox"/> RM X RQ Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ERG# 171						No. Type			Wt/Vol	
b.						0 0 1 D T		42260	P	D008
c.										
d.										
1. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above				
A: SBC31. MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CODE 1883 1M KEY WEST, FL 33040 AES 24 HR#'S (412)486-0871 X226 / AFTER HRS 412/427-648						MIL / MIL1				
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name Phillip Williams				Signature Phillip Williams			Month Day Year 10/31/99			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Bill Lutz 40127.				Signature Bill Lutz			Month Day Year 10/31/99			
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 hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name Steven Stegmann				Signature Stev Steg			Month Day Year 10/31/99			



ORIGINAL-RETURN TO GENERATOR

LWD, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR714

Purchase Order No. N/A

Billed on Invoice No. 60931

The TSD facility certifies that these wastes were treated on 03/29/1999
in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to read 'Alan R. Outh', is written over a horizontal line.

Environmental Coordinator

A handwritten date '4/7/99' in black ink is written over a horizontal line.

Date

(9575)

598

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 417002378	Manifest Document No. ADR715	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001			A. State Manifest Document Number		B. State Generator's ID		
4. Generator's Phone (305) 295-8382 293-2461 Phillip Williams		6. US EPA ID Number OH D 068913409		C. State Transporter's ID		D. Transporter's Phone (216) 659-9381	
5. Transporter 1 Company Name WILLS TRUCKING INC.		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number KY D 985073196		G. State Facility's ID		H. Facility's Phone (502) 395-8313	
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029			12. Containers No. Type 001 DT		13. Total Quantity 411.00	14. Unit Wt/Vol P	15. Waste No. D008
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. X RQ Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ERG# 171			K. Handling Codes for Wastes Listed Above M11 / M141				
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.			16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.				
Printed/Typed Name Phillip Williams		Signature Phillip Williams		Month Day Year 1/31/1999			
Printed/Typed Name Johnny R. Copeland		Signature Johnny R. Copeland		Month Day Year 01/31/1999			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Ken Kiley		Signature Ken Kiley		Month Day Year 01/31/1999			

GENERATOR

TRANSPORTER

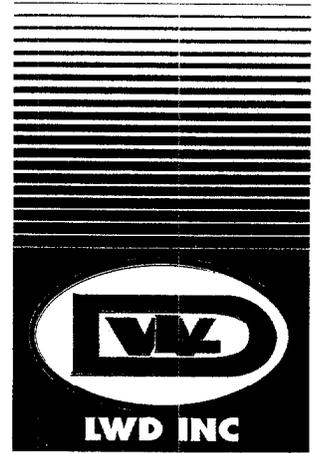
FACILITY



ORIGINAL-RETURN TO GENERATOR

L W D, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR715

Purchase Order No. N/A

Billed on Invoice No. 60931

The TSD facility certifies that these wastes were treated on 03/29/1999
in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to be 'W. F. O. O.', written over a horizontal line.

Environmental Coordinator

A handwritten date '4/7/99' in black ink, written over a horizontal line.

Date

(9575)

510

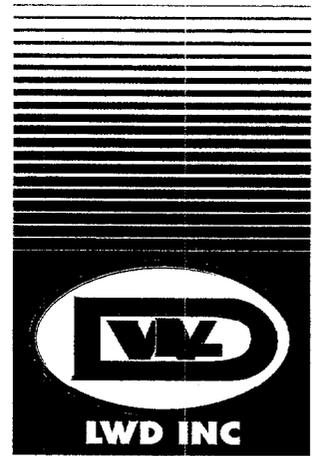
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 4170023788		Manifest Document No. DR716		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001				A. State Manifest Document Number		B. State Generator's ID			
4. Generator's Phone (305) 295-8382 293-2061 Phillip Williams				C. State Transporter's ID		D. Transporter's Phone (216) 659-9381			
5. Transporter 1 Company Name WILLS TRUCKING INC.		6. US EPA ID Number DHD068913409		E. State Transporter's ID		F. Transporter's Phone			
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID		H. Facility's Phone			
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029				10. US EPA ID Number KYD985073196		(502) 395-8313			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers	13. Total Quantity	14. Unit W/Vol	15. Waste No.
a. <input checked="" type="checkbox"/> RM X RQ Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ERG# 171						001 DT	465.20	P	D008
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above A: SBC31 MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CODE 1883 PM KEY WEST, FL 33040 AES 24 HR# 9 (412) 486-0871 X226 / AFTER HRS 412/427-4648						K. Handling Codes for Wastes Listed Above MNI / MWI			
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Ph. H. P. Williams				Signature Phillip Williams				Month Day Year 12/31/99	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature Willard Norman		Month Day Year 12/31/99	
Printed/Typed Name Willard Norman 206									
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Month Day Year	
Printed/Typed Name									
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name Steven Stegmann				Signature Steve Stegmann				Month Day Year 12/31/99	



ORIGINAL-RETURN TO GENERATOR

LWD, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR716

Purchase Order No. N/A

Billed on Invoice No. 60931

The TSD facility certifies that these wastes were treated on 03/29/1999
in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to read 'M. R. Oth', is written over a horizontal line.

Environmental Coordinator

A handwritten date '4/7/99' in black ink is written over a horizontal line.

Date

(9575)

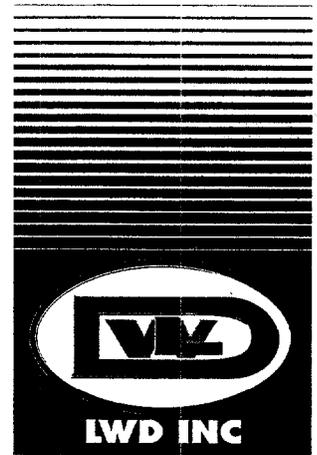
59901

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 417002378	Manifest Document No. D.R.T.34	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001		A. State Manifest Document Number		B. State Generator's ID		
4. Generator's Phone (305) 295-8382 213-2461 Phillip Williams	6. US EPA ID Number OH D 0 6 8 9 1 3 4 0 9		C. State Transporter's ID		D. Transporter's Phone (216) 659-9381	
5. Transporter 1 Company Name WILLS TRUCKING INC.	8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
7. Transporter 2 Company Name	10. US EPA ID Number KY D 9 8 5 0 7 3 1 9 6		G. State Facility's ID		H. Facility's Phone (502) 395-8313	
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029		12. Containers No. Type 0 0 1 D T		13. Total Quantity 4.3.4.80	14. Unit P	15. Waste No. D008
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. X RG Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ERG# 171		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Additional Descriptions for Materials Listed Above A: SBC31 MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CODE 1883 PM KEY WEST, FL 33040 AES 24 HR#S (412) 486-0871 X226 / AFTER HRS 412/427-4648		
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.		K. Handling Codes for Wastes Listed Above mcl / mlll				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: GARY Blackstone 62004 Signature: Gary Blackstone Month Day Year: 01/31/1999		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 hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name: KEV RILEY Signature: Kev Riley Month Day Year: 03/29/1999						

RECEIVED BY PAPER FROM GENERATOR

L W D, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR734

Purchase Order No. N/A

Billed on Invoice No. 60931

The TSD facility certifies that these wastes were treated on 03/30/1999
in accordance with all applicable Federal / State laws and regulations.

A handwritten signature in black ink, appearing to read 'Robert O. H.', is written over a horizontal line.

Environmental Coordinator

A handwritten date '4/7/99' in black ink is written over a horizontal line.

Date

(9575)

6001

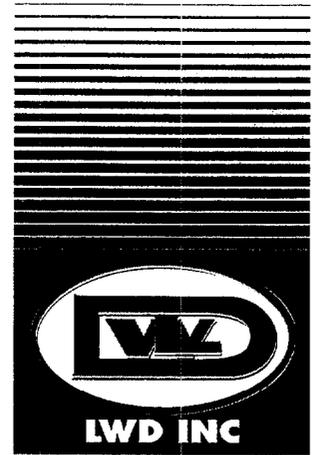
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. F.L.4.1.7.0.0.2.3.7.8	Manifest Document No. DR 0742	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address NAVAL AIR STATION TRUMAN ANNEX COMMANDING OFFICER NAS KEY WEST, FL 33040-9001			A. State Manifest Document Number		B. State Generator's ID	
4. Generator's Phone (²⁹³⁻²⁴⁶¹ 305-295-8282) Phillip Williams			C. State Transporter's ID		D. Transporter's Phone (216) 659-9381	
5. Transporter 1 Company Name WILLS TRUCKING INC.			6. US EPA ID Number OH D 068913409		E. State Transporter's ID	
7. Transporter 2 Company Name			8. US EPA ID Number		F. Transporter's Phone	
9. Designated Facility Name and Site Address LWD, INC. SHAR-CAL ROAD CALVERT CITY, KY 42029			10. US EPA ID Number KY D 985073196		G. State Facility's ID	
			H. Facility's Phone (502) 395-8313			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. X RQ Hazardous waste, solid, n.o.s., (Lead), 9, NA3077, PG-III ERG# 171			0 0 1 D T		4.8000	P
b.						
c.						
d.						
Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above			
A: SBC31. MAIL TO: NAVAL AIR STATION P.O. BOX 9007, CODE 1883 PM KEY WEST, FL 33040 AES 24 HR#'S (412)486-0871 X226 / AFTER HRS 412/427-4648			MI, NI			
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc. 4068 Mt. Royal Blvd. Suite 210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name DAVID J. HUGGS			Signature <i>[Signature]</i>		Month Day Year 04/12/99	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Alister Fisher			Signature <i>[Signature]</i>		Month Day Year 04/14/99	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Month Day Year	
19. Discrepancy Indication Space						
Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Ken Kiley			Signature <i>[Signature]</i>		Month Day Year 10/4/13/99	



ORIGINAL-RETURN TO GENERATOR

L W D, INC.

P.O. BOX 327 • CALVERT CITY, KENTUCKY 42029
PH.: 502-395-8313 FAX: 502-395-8153



NAVAL AIR STATION - KEY WEST
TRUMAN ANNEX
KEY WEST, FL.

33041

LWD, INC.
P.O. BOX 327
CALVERT CITY, KENTUCKY 42029

This document certifies that LWD, Inc. (hereinafter known as the TSD facility) has serviced wastes sent to the TSD facility by

NAVAL AIR STATION - KEY WEST

with Manifest No. DR0742

Purchase Order No. N/A

Billed on Invoice No. 61693

The TSD facility certifies that these wastes were treated on 04/13/1999
in accordance with all applicable Federal / State laws and regulations.


Environmental Coordinator

4/19/99
Date

(9575)

**Signed Manifests for Soil Contaminated with PCBs
Shipped to
Chemical Waste Management, Inc.
Emelle Facility**



HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

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

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 1411710102137188DK735	Manifest Document No. DK735	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Naval Air Station Truman Annex Commanding Officer NAS Key West, FL 33040-9001			A. State Manifest Document Number CWMA 581770		
4. Generator's Phone (305) 293-2061 Phillip Williams			B. State Generator's ID		
5. Transporter 1 Company Name Wills Trucking Inc.			C. State Transporter's ID		
6. Transporter 1 US EPA ID Number 08D068913409			D. Transporter's Phone 215/659-9381		
7. Transporter 2 Company Name			E. State Transporter's ID		
8. Transporter 2 US EPA ID Number			F. Transporter's Phone		
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. Emelle Facility Alabama Highway 17 at Mile Marker 163 Emelle, Alabama 35459			G. State Facility's ID		
10. US EPA ID Number ALD000622464			H. Facility's Phone 205/652-9721		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. "RQ" Hazardous Waste Solid, n.o.s., (soil with PCB's) NA3077, PGIII ERG# 171 CWM Profile Number CM2113		No. Type 0 0 1 D T		40,080 18180	P K
b. CWM Profile Number					
c. CWM Profile Number					
d. CWM Profile Number					
J. Additional Descriptions for Materials Listed Above AES 24 HR #'s (412)486-0871 x226 / After HRS 412/427-4648 Mail to: Naval Air Station OSTD 3/26/99 P.O. Box 9007, Code 1883 PM Key West, FL 33040			K. Handling Codes for Wastes Listed Above a. 2 b. c. d.		
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc., 4068 Mt. Royal Blvd. #210, Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Work Order #: Emergency Response Information Order #:					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Phillip Williams		Signature Phillip Williams		Month Day Year 03 26 99	
17. Transporter 1 Acknowledgement of Receipt of Materials 62070					
Printed/Typed Name DONALD E. HARRISON		Signature Donald E. Harrison		Month Day Year 03 26 99	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space NO LOSS # OF KILOGRAMS					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19					
Printed/Typed Name GARY BRICE		Signature Gary Brice		Month Day Year 03 26 99	

Waste Management
Emelle Facility
P. O. Box 55
Emelle, Alabama 35459

EPA ID Number: ALD000622464
205-652-9721 / Recordkeeping and Reporting

Naval Air Station Truman Annex
Commanding Officer NAS
Key West, FL 33040-9001

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: NAVAL AIR STATION TRUMAN ANNEX
Generator US EPA ID: FL4170023788

Enclosed is/are your Generator Number Two copy/copies for Alabama Manifest
Number (s) : CWMA - 0581770

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle,
Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b),
This letter serves to inform you that this facility has the proper permits and
Will accept your shipment upon completion of waste analysis procedures specified
In the facility's Waste Analysis Plan and as determined in the approval waste
Profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama
(ALD000622464) is operating under a RCRA permit (AHWMMMA Permit) issued by the
Alabama Department of Environmental Management.

Dorothy Oliver
Recordkeeping and Reporting Technician

03/31/99

Waste Management

Emelle Facility

P. O. Box 55

Emelle, AL 35459-0055

Phone 205/652-9721

Federal EPA ID Number:

ALD000622464

Manifest Document Number:

DR735

Naval Air Station Truman Annex

Commanding Officer NAS

Key West, FL 33040-9001

CERTIFICATE OF DISPOSAL

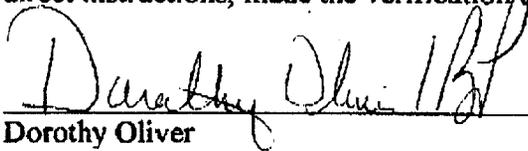
Waste Management – Emelle Alabama Facility has received PCB material from:

NAVAL AIR STATION

described on Alabama Hazardous Waste Manifest Number **CWMA 581770-01**.

Waste Management hereby certifies that the above-described material (excluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

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



Dorothy Oliver
Recordkeeping and Reporting Technician
03/31/99

OSD	UNIQUE ID	PROFILE#	DISPOSAL DATE	DESCRIPTION
03/26/99	581770-01	CM2113	03/29/99	SOIL WITH PCBS



HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

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

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 141701023788	Manifest Document No. 11111	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Naval Air Station Truman Annex Commanding Officer NAS Key West, FL 33040-9001		A. State Manifest Document Number CWMA 581784		B. State Generator's ID	
4. Generator's Phone (305) 293-2661	6. US EPA ID Number 08068913409		C. State Transporter's ID		D. Transporter's Phone 216/659-9381
5. Transporter 1 Company Name Wills Trucking, Inc.	8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone
7. Transporter 2 Company Name	10. US EPA ID Number ALD000622464		G. State Facility's ID		H. Facility's Phone 205/652-9721
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. Emelle Facility Alabama Highway 17 at Mile Marker 163 Emelle, Alabama 35459					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. "RQ" Hazardous Waste Solid, n.o.s., (soil with PCB's) NA3077, PGIII ERG # 171 CWM Profile Number CM2113		001 DT	46,800	P K	
b. CWM Profile Number			21228		
c. CWM Profile Number					
d. CWM Profile Number					
J. Additional Descriptions for Materials Listed Above Mail to: Naval Air Station P.O. Box 9007, Code 1683 PM Key West, FL 33040 AES 24 HR #'s 412/486-0871 After HRS # 412/427-4646		K. Handling Codes for Wastes Listed Above a. c. b. d.			
15. Special Handling Instructions and Additional Information Please route all billing and correspondence to: AES, Inc., 4068 Mt. Royal Blvd. #210 Allison Park, PA 15101. Report spill or release to National Response Center. Driver has Emergency Response Information. Work Order #: Purchase Order #:					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name H. H. Williams		Signature H. H. Williams		Month Day Year 12 31 78	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name T. R. Williams		Signature T. R. Williams		Month Day Year 1 1 79	
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 hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name G. R. C. C.					
Signature G. R. C. C.		Signature G. R. C. C.		Month Day Year 1 3 1 9 1 9	

Waste Management
Emelle Facility
P. O. Box 55
Emelle, Alabama 35459

EPA ID Number: ALD000622464
205-652-9721 / Recordkeeping and Reporting

Naval Air Station Truman Annex
Commanding Officer NAS
Key West, FL 33040-9001

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: NAVAL AIR STATION TRUMAN ANNEX
Generator US EPA ID: FL4170023788

Enclosed is/are your Generator Number Two copy/copies for Alabama Manifest Number (s) : CWMA-0581784

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), This letter serves to inform you that this facility has the proper permits and Will accept your shipment upon completion of waste analysis procedures specified In the facility's Waste Analysis Plan and as determined in the approval waste Profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a RCRA permit (AHWMMA Permit) issued by the Alabama Department of Environmental Management.

Dorothy Oliver 
Recordkeeping and Reporting Technician

03/31/99

Waste Management

Emelle Facility

P. O. Box 55

Emelle, AL 35459-0055

Phone 205/652-9721

Federal EPA ID Number:
Manifest Document Number:

ALD000622464
DR739

Naval Air Station Truman Annex
Commanding Officer NAS
Key West, FL 33040-9001

CERTIFICATE OF DISPOSAL

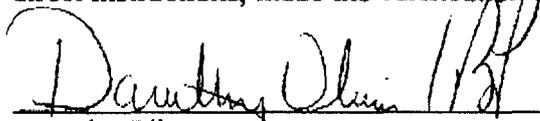
Waste Management - Emelle Alabama Facility has received PCB material from:

NAVAL AIR STATION

described on Alabama Hazardous Waste Manifest Number CWMA 581784-01

Waste Management hereby certifies that the above-described material (excluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

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



Dorothy Oliver
Recordkeeping and Reporting Technician
03/31/99

OSD	UNIQUE ID	PROFILE#	DISPOSAL DATE	DESCRIPTION
03/27/99	581784-01	CM2113	03/29/99	SOIL WITH PCBS



HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

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

Form Approved, OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL 4117AKR137K12D1747		Manifest Document No. 747		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Naval Air Station Truman Annex Commander Officer NAS Key West, FL 33040-4001		4. Generator's Phone (205) 293-5011		5. Transporter 1 Company Name Wilk Trucking Inc.		6. US EPA ID Number 01HD10169111314109		7. Transporter 2 Company Name	
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. Emelle Facility Alabama Highway 17 at Mile Marker 163 Emelle, Alabama 35459		10. US EPA ID Number ALD0000622464		A. State Manifest Document Number CWMA 655397		B. State Generator's ID		C. State Transporter's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
a. "RP" Hazardous Waste Solid, n.e.s. (seal with Pops) NA3077, PGIII ERG #171 CWM Profile Number CA12113		01011 DIT		4644		K		None	
b. CWM Profile Number				43,300		PS			
c. CWM Profile Number									
d. CWM Profile Number									
J. Additional Descriptions for Materials Listed Above Aval 10: Naval Air Station P.O. Box 9007, Code 1983 PM Key West, FL 33040		K. Handling Codes for Wastes Listed Above a. L b.		DES 24 HR #13 412/486-0891 After HRS # 411/427-4048					
15. Special Handling Instructions and Additional Information Please route all claims and correspondence to: AES, Inc., 4601 Mt. Royal Blvd. #217 Allison Park, PA 15101, report spill or release to National Response Center. Driver has Emergency Response Information. Work Order #: Purchase Order #: SR 1194113		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name Phillip W. Williams		Signature Phillip Williams		Month Day Year 03 29 99	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name George McKenzie 62009		Signature George McKenzie		Month Day Year 03 29 99			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space - 4644 corrected due to receipt discrepancy. 7/31/99		State of Ala. signed on 3/31/99							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name		Signature		Month Day Year		03 31 99	

Waste Management
Emelle Facility
P. O. Box 55
Emelle, Alabama 35459

EPA ID Number: ALD000622464
205-652-9721 / Recordkeeping and Reporting

Naval Air Station Truman Annex
Commanding Officer NAS
Key West, FL 33040-9001

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: NAVAL AIR STATION TRUMAN ANNEX
Generator US EPA ID: FL4170023788

Enclosed is/are your Generator Number Two copy/copies for Alabama Manifest
Number (a) : CWMA - 0655397

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle,
Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b),
This letter serves to inform you that this facility has the proper permits and
Will accept your shipment upon completion of waste analysis procedures specified
In the facility's Waste Analysis Plan and as determined in the approval waste
Profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama
(ALD000622464) is operating under a RCRA permit (AHWMMA Permit) issued by the
Alabama Department of Environmental Management.


Dorothy Oliver
Recordkeeping and Reporting Technician

04/02/99

Waste Management**Emelle Facility**

P. O. Box 55

Emelle, AL 35459-0055

Phone 205/652-9721

Federal EPA ID Number:**ALD000622464**

Manifest Document Number:

DR740

Naval Air Station Truman Annex

Commanding Officer NAS

Key West, FL 33040-9001

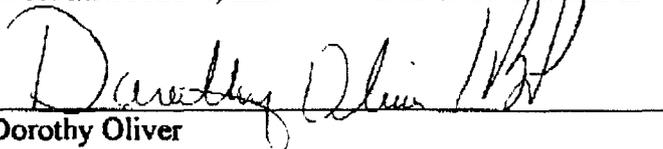
CERTIFICATE OF DISPOSAL

Waste Management – Emelle Alabama Facility has received PCB material from:

NAVAL AIR STATION TRUMAN ANNEXdescribed on Alabama Hazardous Waste Manifest Number **CWMA 655397-01.**

Waste Management hereby certifies that the above-described material (excluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

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



Dorothy Oliver

Recordkeeping and Reporting Technician

04/02/99

OSD	UNIQUE ID	PROFILE #	DISPOSAL DATE	DESCRIPTION
03/29/99	655397-01	CM2113	03/31/99	SOIL WITH PCB'SS

Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459

EPA ID Number: ALD000622464
205-652-9721 / Recordkeeping and Reporting

NAVAL AIR STATION
TRUMMAN ANNEX NAS
COMMANDING OFFICER
KEY WEST, FL 33040-9001

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: NAVAL AIR STATION
Generator US EPA ID: FL6170022952

Enclosed is/are your Generator Number Two copy/copies for Alabama Manifest
Number(s): CWMA 0875056

This copy is to acknowledge that Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Plan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a RCRA permit (AHWMMA Permit) issued by the the Alabama Department of Environmental Management.

Dorothy Oliver — 
Recordkeeping and Reporting Technician

04/13/99

Waste Management, Inc.,
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
205-652-9721

Federal EPA ID Number: ALD000622464
Manifest Document Number: R0743

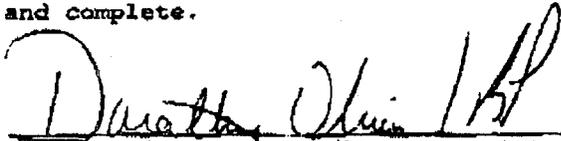
NAVAL AIR STATION
TRUMAN ANNEX
COMMANDING OFFICER NAS
KEY WEST, FL 33040-9001

CERTIFICATE OF DISPOSAL

Waste Management, Inc. has received PCB material from:
NAVAL AIR STATION
described on Alabama Hazardous Waste Manifest Number CWMA 0875056-1

Waste Management, Inc. hereby certifies that the above described material (excluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

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


Dorothy Oliver, Recordkeeping and Reporting Technician
04/13/99

<u>OSD</u>	<u>Unique ID</u>	<u>Profile</u>	<u>Disposed Description</u>
04/12/99	875056-01	CM2113	04/12/99 SOIL WITH PCBs



HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

24.13

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

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. FL1411781237898DKB744	Manifest Document No. 144	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Naval Air Station Truman Annex Commanding Officer NAS Key West, FL 33944-9141				A. State Manifest Document Number CWMA 875057	
4. Generator's Phone (375) 293-2261 Philip Williams				B. State Generator ID	
5. Transporter 1 Company Name Robbie D. Wood		6. US EPA ID Number AL1D10671138891		C. State Transporter ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. State Transporter ID	
9. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. Emelle Facility Alabama Highway 17 at Mile Marker 163 Emelle, Alabama 35459		10. US EPA ID Number ALD000622464		E. State Facility ID	
				F. Facility Phone 205/652-9721	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. "KG" Hazardous Waste Solid, n.o.s. (See 49 CFR 173.133) NA577, 6.1, ER4F71			No.	48,260	
Disposal Approval # _____ CWM Profile # 0M2113			Type		
b. 055101-2041					
Disposal Approval # _____ CWM Profile # _____					
c.					
Disposal Approval # _____ CWM Profile # _____					
d.					
Disposal Approval # _____ CWM Profile # _____					
J. Handling Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above		
State of Generation: FL			b.		
15. Special Handling Instructions and Additional Information Purchase Order # _____ Work Order # _____ Please route all billings and correspondence to: AES, Inc., 4465 Mt. Royal Blvd. # 214 Allison Park, PA 15101. Report spill or release to National Emergency Contact: Response Center, Drive, has Emergency Response International.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name David S. Lucas		Signature <i>[Signature]</i>		Month Day Year 12/4/1999	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Robert A. F. T. S.		Signature <i>[Signature]</i>		Month Day Year 1/4/1999	
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 hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name MMA		Signature <i>[Signature]</i>		Month Day Year 1/5/1999	

Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459

EPA ID Number: ALD000622464
205-652-9721 / Recordkeeping and Reporting

NAVAL AIR STATION
TRUMMAN ANNEX NAS
COMMANDING OFFICER
KEY WEST, FL 33040-9001

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: NAVAL AIR STATION
Generator US EPA ID: FL6170022952

Enclosed is/are your Generator Number Two copy/copies for Alabama Manifest
Number(s): CWMA - 0875057

This copy is to acknowledge that Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Plan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Waste Management, Inc., Emelle Alabama
(AWMMA) is operating under a RCRA permit (AWMMA Permit) issued by the
the Alabama Department of Environmental Management.

Dorothy Oliver - *ppp*
Recordkeeping and Reporting Technician

04/13/99

Waste Management, Inc.,
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
205-652-9721

Federal EPA ID Number: ALD000622464
Manifest Document Number: R0744

NAVAL AIR STATION
TRUMAN ANNEX
COMMANDING OFFICER NAS
KEY WEST, FL 33040-9001

CERTIFICATE OF DISPOSAL

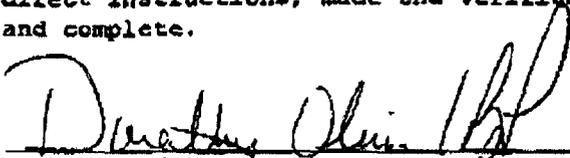
Waste Management, Inc. has received PCB material from:

NAVAL AIR STATION

described on Alabama Hazardous Waste Manifest Number CWMA 0875057-1

Waste Management, Inc. hereby certifies that the above described material (excluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

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


Dorothy Oliver, Recordkeeping and Reporting Technician
04/13/99

<u>OSD</u>	<u>Unique ID</u>	<u>Profile</u>	<u>Disposed Description</u>
04/10/99	875057-01	CN2113	04/12/99 SOIL WITH PCBs

May-06-99 12:36P AES, INC
Apr-28-98 10:56am From:WM EMELLE APPROVALS

Waste Management, Inc.
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459

EPA ID Number: ALD000622464
205-652-9721 / Recordkeeping and Reporting

412 486 2422 P.07
+2055528143 T-878 P.01 F-928

Post-It™ brand tax transmittal (Form 1041) (Rev. 1-97)

To: Richard Miller	From: Parlie Atchick
Co: DRMO-NAS	Co: WSt. Mont.
Dept.	Phone #: 205-652-9721
Fax #: 412-486-2422	Fax #:

NAVAL AIR STATION
PHILLIP WILLIAMS
COMMANDING OFFICER
NAS
KEY WEST, FL 33040-9001

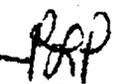
ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: NAVAL AIR STATION
Generator US EPA ID: FL4170023788

Enclosed is/are your Generator Number Two copy/copies for Alabama Manifest
Number(s): CWMA - 0875058

This copy is to acknowledge that Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Plan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a RCRA permit (AHHWMA Permit) issued by the the Alabama Department of Environmental Management.

Dorothy Oliver 
Recordkeeping and Reporting Technician

04/13/99

Waste Management, Inc.,
Emelle Facility
P.O. Box 55
Emelle, Alabama 35459-0055
205-652-9721

Federal EPA ID Number: ALD000622464
Manifest Document Number: R0745

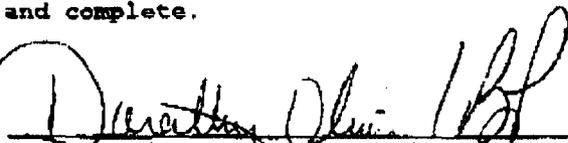
NAVAL AIR STATION
COMMANDING OFFICER NAS
KEY WEST, FL 33040-9001

CERTIFICATE OF DISPOSAL

Waste Management, Inc. has received PCB material from:
NAVAL AIR STATION
described on Alabama Hazardous Waste Manifest Number CWMA 0875058-1

Waste Management, Inc. hereby certifies that the above described material (excluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

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



Dorothy Oliver, Recordkeeping and Reporting Technician
04/13/99

<u>OSD</u>	<u>Unique ID</u>	<u>Profile</u>	<u>Disposed Description</u>
04/10/99	075058-01	CM2113	04/12/99 SOIL WITH PCBs

**Representative Manifests for Non-Hazardous
Petroleum Contaminated Soil**

Shipped to

- a) Rinker Materials Corporation**
- b) Medley Landfill**



**MATERIALS SUBSTITUTION
Transportation & Receiving Manifest**

DOCUMENT NO. 6178
DR0702

GENERATOR			TRANSPORTER			RECEIVING FACILITY		
COMPANY NAME Naval Air Station Truman Annex			COMPANY NAME Rinker Transport			COMPANY NAME RINKER MATERIALS CORPORATION		
ADDRESS Commanding Officer, NAS			ADDRESS 1200 NW 137th Avenue			ADDRESS 1200 N.W. 137TH AVENUE		
CITY Key West	ST. FL	ZIP CODE 33040-9001	CITY Miami	ST. FL	ZIP CODE 33182	CITY MIAMI	ST. FL	ZIP CODE 33182
TELEPHONE 305-293-2061			TELEPHONE 305-225-1427			TELEPHONE 305-225-1423		
CONTACT: Phillip Williams			CONTACT:			CONTACT:		
I.D. NO.: FL4170023788			I.D. NO.:			I.D. NO.: FLD981758485		
CUST. P.O.			M.S. NO.:					

INFORMATION					REMARKS
MATERIAL DESCRIPTION AND DOT SHIPPING NAME	CLASS	DOT ID UN# NA#	QUANT-VOLUME	CONTAIN-ER	
NONHAZARDOUS PETROL CONTAMINATED SOIL			20	TONE	

GENERATOR This is to certify that the above named material is properly classified, described, packaged, marked and labeled and are in proper condition for transporting according to the applicable regulations of the U.S. Department of Transportation, Environmental Protection Agency and contains no toxic or hazardous substances that would cause oily waste to be classified as a characteristic or listed hazardous waste. AUTHORIZED SIGNATURE (press hard - 5 copies) <i>Phillip Williams</i> TITLE EN/V. P/W. Spec.	DATE OF SHIPMENT 3/22/99	DISPATCH INFO: DRIVER: Sched. Arrive TRUCK: Sched. Arrive GROSS TARE NET SPECIAL INST. Naval Air Station P.O. Box 9007, Code 1883 PM Key West, FL 33040	
	TRANSPORTER This is to certify the acceptance of the above material in the amounts and descriptions given and in proper condition for transport to be delivered to the treatment facility. AUTHORIZED SIGNATURE (press hard - 5 copies) <i>[Signature]</i> TITLE 7335	DATE OF SHIPMENT 3-22-99	BILLING: COMPANY NAME ADDRESS CITY ST ZIP CODE TELEPHONE DISCREPANCY INFO:
TREATMENT FACILITY This is to certify the acceptance of the above named material in the amounts and descriptions given from the named transporter for treatment, storage disposal or recycling. AUTHORIZED SIGNATURE (press hard - 5 copies) <i>[Signature]</i> TITLE [Signature]	DATE OF SHIPMENT 3/22/99	EMERGENCY AND SPILL ASSISTANCE Call:	

WHITE - Generator (Last) GREEN - Receiving PINK - Generator (First) GOLDENROD - Transporter's Copy YELLOW - Equipment



NON-HAZARDOUS MANIFEST

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

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. FL4178023788TA227	Manifest Document No.	2. Page 1 of 1	Truck No. 417
3. Generator's Name and Mailing Address NAVAL AIR STATION, TRUMAN ANNEX COMMANDING OFFICER, HAS KEY WEST, FL 33040-9001		A. Manifest Number WMNA 38388 38388		B. State Generator's ID	
4. Generator's Phone 305-293-2061 412 486-1007 Phillip Williams		5. Transporter 1 Company Name Soil Tech		6. US EPA ID Number	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
9. Designated Facility Name and Site Address CENTRAL SANITARY LANDFILL Medley Landfill 3000 NW 46TH STREET 9350 NW 84th Ave. ROMANO BEACH, FL 33072 Medley, FL 33178-1402		10. US EPA ID Number 5005282656		D. Transporter's Phone 900-445-8197	
11. Description of Waste Materials		12. Containers		13. Total Quantity	
a. REMIEDIATED SOIL		No. Type		14. Unit Wt./Vol.	
WM Profile # CK9489		0 0 1 0 T		1 1 12 10	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					
J. Additional Descriptions for Materials Listed Above		K. Disposal Location			
Landfill _____ Solidification _____		Cell _____ Level _____			
Bio Remediation _____		Grid _____			
15. Special Handling Instructions and Additional Information MAIL TO: NAVAL AIR STATION, P.O. BOX 9007, CODE 1883PM KEY WEST, FL 33040-9001					
Purchase Order # _____ EMERGENCY CONTACT: _____					
16. GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.					
Printed/Typed Name Phillip Williams		Signature "On behalf of" Phillip Williams		Month Day Year 01/10/99	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name ALLEN AMADA		Signature MA	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.					
20. Facility Owner or Operator: Certificate of receipt of non-hazardous materials covered by this manifest.					
Printed/Typed Name		Signature		Month Day Year	

APPENDIX D
BACKFILL LABORATORY ANALYTICAL RESULTS



Report of Analysis

Client Sample ID: BKFL-RNKR-01	Date Sampled: 01/23/99
Lab Sample ID: F3565-1	Date Received: 01/26/99
Matrix: SO - Soil	Percent Solids: 92.6
Method: SW846 3550B/8270C	
Project: CTO 0032 BRAC SSI	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	H003894.D	1	01/28/99	NF	01/27/99	OP663	SH186

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
65-85-0	Benzoic acid	ND	900	ug/kg	
95-57-8	2-Chlorophenol	ND	360	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	360	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	360	ug/kg	
103-67-9	2,4-Dimethylphenol	ND	900	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	900	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	ug/kg	
95-48-7	2-Methylphenol	ND	360	ug/kg	
	3&4-Methylphenol	ND	360	ug/kg	
88-75-5	2-Nitrophenol	ND	360	ug/kg	
100-02-7	4-Nitrophenol	ND	900	ug/kg	
87-86-5	Pentachlorophenol	ND	900	ug/kg	
108-95-2	Phenol	ND	360	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	360	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	360	ug/kg	
83-32-9	Acenaphthene	ND	360	ug/kg	
208-96-8	Acenaphthylene	ND	360	ug/kg	
120-12-7	Anthracene	ND	360	ug/kg	
56-55-3	Benzo(a)anthracene	ND	360	ug/kg	
50-32-8	Benzo(a)pyrene	ND	360	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	360	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	360	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	360	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	360	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	ug/kg	
100-51-6	Benzyl Alcohol	ND	360	ug/kg	
91-58-7	2-Chloronaphthalene	ND	360	ug/kg	
106-47-8	4-Chloroaniline	ND	360	ug/kg	
86-74-8	Carbazole	ND	360	ug/kg	
218-01-9	Chrysene	ND	360	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	360	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	360	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	360	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	360	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	360	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	360	ug/kg	

Sample of "lawn screenings" from CSR Rinker Krome Quarry

Backfill Sample No. 1

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Report of Analysis

Page 2 of 3

Client Sample ID: BKFL-RNKR-01
 Lab Sample ID: F3565-1
 Matrix: SO - Soil
 Method: SW846 3550B/8270C
 Project: CTO 0032 BRAC SSI

Date Sampled: 01/23/99
 Date Received: 01/26/99
 Percent Solids: 92.6

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	H003894.D	1	01/28/99	NF	01/27/99	OP663	SH186

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	360	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	360	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	360	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	720	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	360	ug/kg	
132-64-9	Dibenzofuran	ND	360	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	ug/kg	
84-66-2	Diethyl phthalate	ND	360	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	ug/kg	
206-44-0	Fluoranthene	ND	360	ug/kg	
86-73-7	Fluorene	ND	360	ug/kg	
118-74-1	Hexachlorobenzene	ND	360	ug/kg	
87-68-3	Hexachlorobutadiene	ND	360	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	ug/kg	
67-72-1	Hexachloroethane	ND	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	360	ug/kg	
78-59-1	Isophorone	ND	360	ug/kg	
91-57-6	2-Methylnaphthalene	ND	360	ug/kg	
88-74-4	2-Nitroaniline	ND	360	ug/kg	
99-09-2	3-Nitroaniline	ND	360	ug/kg	
100-01-6	4-Nitroaniline	ND	360	ug/kg	
91-20-3	Naphthalene	ND	360	ug/kg	
98-95-3	Nitrobenzene	ND	360	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	360	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	360	ug/kg	
85-01-8	Phenanthrene	ND	360	ug/kg	
129-00-0	Pyrene	ND	360	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	90%		25-121 %
4165-62-2	Phenol-d5	93%		24-113 %
118-79-6	2,4,6-Tribromophenol	96%		19-122 %

ND = Not detected
 RDL = Reported Detection Limit
 B = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID:	BKFL-RNKR-01	Date Sampled:	01/23/99
Lab Sample ID:	F3565-1	Date Received:	01/26/99
Matrix:	SO - Soil	Percent Solids:	92.6
Method:	SW846 3550B/8270C		
Project:	CTO 0032 BRAC SSI		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H003894.D	1	01/28/99	NF	01/27/99	OP663	SH186
Run #2							

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	96%		23-120%
321-60-8	2-Fluorobiphenyl	99%		30-115%
1718-51-0	Terphenyl-d14	102%		18-137%

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

**ACCUTEST.****Report of Analysis**

Page 1 of 1

Client Sample ID: BKFL-RNKR-01

Lab Sample ID: F3565-1

Matrix: SO - Soil

Date Sampled: 01/25/99

Date Received: 01/26/99

Percent Solids: 92.6

Project: CTO 0032 BRAC SSI

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By	Method
Aluminum	870	21.6	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Antimony	0.36 U	6.5	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Arsenic	1.3	1.1	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Barium	16.7 B	21.6	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Beryllium	0.25 B	0.54	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Cadmium	0.10 B	0.43	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Calcium ^a	171000	540	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Chromium	8.3	1.1	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Cobalt	0.25 B	5.4	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Copper	1.4 B	2.7	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Iron	747	10.8	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Lead	1.9 B	10.8	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Magnesium	1950	540	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Manganese	28.8	1.6	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Mercury	0.045 U	0.045	mg/kg	1	01/27/99	01/28/99 JK	SW846 7471A
Nickel	1.2 B	4.3	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Potassium	108 B	540	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Selenium	0.57 B	10.8	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Silver	0.09 U	1.1	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Sodium	604	540	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Thallium	0.44 U	1.1	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Tin	2.7 B	5.4	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Vanadium	6.1	5.4	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A
Zinc	5.2	2.2	mg/kg	1	01/26/99	01/27/99 JK	SW846 6010A

(a) Estimated Value

RDL = Reported Detection Limit

Client Sample ID: BKFL-RNKR-02	Date Sampled: 03/02/99
Lab Sample ID: F3798-12	Date Received: 03/05/99
Matrix: SO - Soil	Percent Solids: 87.5
Method: SW846 3550B/8270C	
Project: NAS Key West-IR1 & IR8	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	L001325.D	1	03/10/99	NF	03/09/99	OP717	SL82

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
65-85-0	Benzoic acid	ND	950	ug/kg	
95-57-8	2-Chlorophenol	ND	380	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	380	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	380	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	950	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	950	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	760	ug/kg	
95-48-7	2-Methylphenol	ND	380	ug/kg	
	3&4-Methylphenol	ND	380	ug/kg	
88-75-5	2-Nitrophenol	ND	380	ug/kg	
100-02-7	4-Nitrophenol	ND	950	ug/kg	
87-86-5	Pentachlorophenol	ND	950	ug/kg	
108-95-2	Phenol	ND	380	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	380	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	380	ug/kg	
83-32-9	Acenaphthene	ND	380	ug/kg	
208-96-8	Acenaphthylene	ND	380	ug/kg	
120-12-7	Anthracene	ND	380	ug/kg	
56-55-3	Benzo(a)anthracene	ND	380	ug/kg	
50-32-8	Benzo(a)pyrene	ND	380	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	380	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	380	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	380	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	380	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	380	ug/kg	
100-51-6	Benzyl Alcohol	ND	380	ug/kg	
91-58-7	2-Chloronaphthalene	ND	380	ug/kg	
106-47-8	4-Chloroaniline	ND	380	ug/kg	
86-74-8	Carbazole	ND	380	ug/kg	
218-01-9	Chrysene	ND	380	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	380	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	380	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	380	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	380	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	380	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	380	ug/kg	

Sample of "lawn screening" from CSR Rinker Krome Quarry

Backfill Sample No. 2

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range
 J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Client Sample ID: BKFL-RNKR-02	Date Sampled: 03/02/99
Lab Sample ID: F3798-12	Date Received: 03/05/99
Matrix: SO - Soil	Percent Solids: 87.5
Method: SW846 3550B/8270C	
Project: NAS Key West-IR1 & IR8	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L001325.D	1	03/10/99	NF	03/09/99	OP717	SL82
Run #2							

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	380	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	380	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	380	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	760	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	380	ug/kg	
132-64-9	Dibenzofuran	ND	380	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	380	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	380	ug/kg	
84-66-2	Diethyl phthalate	ND	380	ug/kg	
131-11-3	Dimethyl phthalate	ND	380	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	380	ug/kg	
206-44-0	Fluoranthene	ND	380	ug/kg	
86-73-7	Fluorene	ND	380	ug/kg	
118-74-1	Hexachlorobenzene	ND	380	ug/kg	
87-68-3	Hexachlorobutadiene	ND	380	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	ug/kg	
67-72-1	Hexachloroethane	ND	380	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	380	ug/kg	
78-59-1	Isophorone	ND	380	ug/kg	
91-57-6	2-Methylnaphthalene	ND	380	ug/kg	
88-74-4	2-Nitroaniline	ND	380	ug/kg	
99-09-2	3-Nitroaniline	ND	380	ug/kg	
100-01-6	4-Nitroaniline	ND	380	ug/kg	
91-20-3	Naphthalene	ND	380	ug/kg	
98-95-3	Nitrobenzene	ND	380	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	380	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	380	ug/kg	
85-01-8	Phenanthrene	ND	380	ug/kg	
129-00-0	Pyrene	ND	380	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	380	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	86%		25-121%
4165-62-2	Phenol-d5	86%		24-113%
118-79-6	2,4,6-Tribromophenol	83%		19-122%

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID: BKFL-RNKR-02	Date Sampled: 03/02/99
Lab Sample ID: F3798-12	Date Received: 03/05/99
Matrix: SO - Soil	Percent Solids: 87.5
Method: SW846 3550B/8270C	
Project: NAS Key West-IR1 & IR8	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L001325.D	1	03/10/99	NF	03/09/99	OP717	SL82
Run #2							

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		23-120%
321-60-8	2-Fluorobiphenyl	90%		30-115%
1718-51-0	Terphenyl-d14	108%		18-137%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Report of Analysis

Page 1 of 1

Client Sample ID: BKFL-RNKR-02	Date Sampled: 03/02/99
Lab Sample ID: F3798-12	Date Received: 03/05/99
Matrix: SO - Soil	Percent Solids: 87.5
Project: NAS Key West-IR1 & IR8	

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By	Method
Aluminum	658	22.9	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Antimony	0.38 U	6.9	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Arsenic	0.86 B	1.1	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Barium	13.5 B	22.9	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Beryllium	0.52 B	0.57	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Cadmium	0.08 B	0.46	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Calcium	188000	2860	mg/kg	5	03/08/99	03/11/99 JK	SW846 6010A
Chromium	6.3	1.1	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Cobalt	0.20 B	5.7	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Copper	1.2 B	2.9	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Iron	638	11.4	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Lead	1.4 B	11.4	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Magnesium	1550	571	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Manganese	24.1	1.7	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Mercury	0.048 U	0.19	mg/kg	1	03/08/99	03/10/99 JK	SW846 7471A
Nickel	1.4 B	4.6	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Potassium	99.9 B	571	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Selenium	0.35 U	11.4	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Silver	0.13 B	1.1	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Sodium	527 B	571	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Thallium	0.47 U	1.1	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Vanadium	5.3 B	5.7	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A
Zinc	3.9	2.3	mg/kg	1	03/08/99	03/09/99 JK	SW846 6010A

RDL = Reported Detection Limit



Report of Analysis

Client Sample ID:	BKFL-RNKR-03	Date Sampled:	03/17/99
Lab Sample ID:	F3864-3	Date Received:	03/18/99
Matrix:	SO - Soil	Percent Solids:	92.1
Method:	SW846 3550B/8270C		
Project:	NAS Key West-IR1 & IR8		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H004308.D	1	03/23/99	NF	03/19/99	OP731	SH209
Run #2							

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
65-85-0	Benzoic acid	ND	900	ug/kg	
95-57-8	2-Chlorophenol	ND	360	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	360	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	360	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	900	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	900	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	ug/kg	
95-48-7	2-Methylphenol	ND	360	ug/kg	
	3&4-Methylphenol	ND	360	ug/kg	
88-75-5	2-Nitrophenol	ND	360	ug/kg	
100-02-7	4-Nitrophenol	ND	900	ug/kg	
87-86-5	Pentachlorophenol	ND	900	ug/kg	
108-95-2	Phenol	ND	360	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	360	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	360	ug/kg	
83-32-9	Acenaphthene	ND	360	ug/kg	
208-96-8	Acenaphthylene	ND	360	ug/kg	
120-12-7	Anthracene	ND	360	ug/kg	
56-55-3	Benzo(a)anthracene	ND	360	ug/kg	
50-32-8	Benzo(a)pyrene	ND	360	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	360	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	360	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	360	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	360	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	ug/kg	
100-51-6	Benzyl Alcohol	ND	360	ug/kg	
91-58-7	2-Chloronaphthalene	ND	360	ug/kg	
106-47-8	4-Chloroaniline	ND	360	ug/kg	
86-74-8	Carbazole	ND	360	ug/kg	
218-01-9	Chrysene	ND	360	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	360	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	360	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	360	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	360	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	360	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	360	ug/kg	

Sample of limerock mineral aggregate from CSR Rinker, Rinker Lake Quarry

Backfill Sample No. 3

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Client Sample ID: BKFL-RNKR-03	Date Sampled: 03/17/99
Lab Sample ID: F3864-3	Date Received: 03/18/99
Matrix: SO - Soil	Percent Solids: 92.1
Method: SW846 3550B/8270C	
Project: NAS Key West-IR1 & IR8	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	H004308.D	1	03/23/99	NF	03/19/99	OP731	SH209

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	360	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	360	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	360	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	720	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	360	ug/kg	
132-64-9	Dibenzofuran	ND	360	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	ug/kg	
84-66-2	Diethyl phthalate	ND	360	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	ug/kg	
206-44-0	Fluoranthene	ND	360	ug/kg	
86-73-7	Fluorene	ND	360	ug/kg	
118-74-1	Hexachlorobenzene	ND	360	ug/kg	
87-68-3	Hexachlorobutadiene	ND	360	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	ug/kg	
67-72-1	Hexachloroethane	ND	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	360	ug/kg	
78-59-1	Isophorone	ND	360	ug/kg	
91-57-6	2-Methylnaphthalene	ND	360	ug/kg	
88-74-4	2-Nitroaniline	ND	360	ug/kg	
99-09-2	3-Nitroaniline	ND	360	ug/kg	
100-01-6	4-Nitroaniline	ND	360	ug/kg	
91-20-3	Naphthalene	ND	360	ug/kg	
98-95-3	Nitrobenzene	ND	360	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	360	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	360	ug/kg	
85-01-8	Phenanthrene	ND	360	ug/kg	
129-00-0	Pyrene	ND	360	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	82%		25-121%
4165-62-2	Phenol-d5	92%		24-113%
118-79-6	2,4,6-Tribromophenol	79%		19-122%

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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID: BKFL-RNKR-03	Date Sampled: 03/17/99
Lab Sample ID: F3864-3	Date Received: 03/18/99
Matrix: SO - Soil	Percent Solids: 92.1
Method: SW846 3550B/8270C	
Project: NAS Key West-IR1 & IR8	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H004308.D	1	03/23/99	NF	03/19/99	OP731	SH209
Run #2							

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		23-120%
321-60-8	2-Fluorobiphenyl	85%		30-115%
1718-51-0	Terphenyl-d14	87%		18-137%

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID:	BKFL-RNKR-03	Date Sampled:	03/17/99
Lab Sample ID:	F3864-3	Date Received:	03/18/99
Matrix:	SO - Soil	Percent Solids:	92.1
Project:	NAS Key West-IR1 & IR8		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By	Method
Aluminum	757	21.7	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Antimony	0.36 U	6.5	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Arsenic	0.76 B	1.1	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Barium	15.4 B	21.7	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Beryllium	0.23 B	0.54	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Cadmium	0.1 B	0.43	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Calcium	303000	2710	mg/kg	5	03/19/99	03/23/99 JK	SW846 6010A
Chromium	5.3	1.1	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Cobalt	0.31 B	5.4	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Copper	1.2 B	2.7	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Iron	738	10.9	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Lead	1.0 B	10.9	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Magnesium	2380	543	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Manganese	35.5	1.6	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Mercury	0.045 U	0.18	mg/kg	1	03/19/99	03/22/99 JK	SW846 7471A
Nickel	1.2 B	4.3	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Potassium	172 B	543	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Selenium	0.69 B	10.9	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Silver	0.09 U	1.1	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Sodium	606	543	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Thallium	0.45 U	1.1	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Tin	1.3 B	5.4	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Vanadium	6.0	5.4	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A
Zinc	3.7	2.2	mg/kg	1	03/19/99	03/22/99 JK	SW846 6010A

RDL = Reported Detection Limit

APPENDIX E
SUBCONTRACTORS AND LOWER-TIER VENDORS

Subcontractors/Lower-Tier Vendors

Subcontractor	Scope	Prime or Lower Tier
American Environmental Services 4068 Mt. Royal Blvd. #210 Allison Park, PA 15101 (412) 486-1007	Excavation, non-hazardous and hazardous waste transportation	Prime
Environmental Projects Group 1602 Porchers Bluff Road Mt. Pleasant, SC 29465 (843) 881-0467	Excavation, non-hazardous and hazardous waste transportation	Lower-tier
Rinker Transport 1200 NW 137 th Avenue Miami, FL 33182 (305) 225-1427	Transportation of non-hazardous waste	Lower-tier
Waste Management Inc. – Florida Industrial Waste Service Center 3000 NW 48 th Street Pompano Beach, FL 33373	Transportation of non-hazardous waste	Lower-tier
Wills Trucking, Inc. 3185 Columbia Road Richfield, OH 44286 (216) 659-9381	Transportation of hazardous waste	Lower-tier
Robbie D. Wood Trucking P. O. Box 125 Dolomite, AL 35061 (205) 744-8440	Transportation of hazardous waste	Lower-tier

Subcontractors/Lower-Tier Vendors (continued)

Subcontractor	Scope	Prime or Lower Tier
Rinker Environmental Services 1501 Belvedere Road West Palm Beach, FL 33406 (305) 226-3768	Receive and dispose of non-hazardous contaminated soil	Lower-tier
Medley Landfill 9350 NW 89 th Avenue Medley, FL 33178 (305) 883-7670	Receive and dispose of non-hazardous contaminated soil	Lower-tier
LWD, Inc. 1637 Shar Cal Road Calvert City, KY 32029 (502) 395-8313	Receive and dispose of hazardous contaminated soil from Parcel C, Subzone 3, DRMO Waste Storage Area	Lower-tier
Chemical Waste Management, Inc. Emelle Facility Alabama Highway 17 @ MM163 Emelle, AL 35459 (205) 652-9721	Receive and dispose of hazardous contaminated soil from Parcel C, Subzone 3, DRMO Waste Storage Area	Lower-tier
Rinker Materials Corporation 1200 NW 137 th Avenue Miami, FL 33182 (305) 225-1427	Provide clean backfill material	Lower-tier

APPENDIX F

WETLANDS PERMITS AND CORRESPONDENCE



Jeb Bush
Governor

Department of Environmental Protection

South District Marathon Branch Office
2796 Overseas Highway, Suite 221
Marathon, Florida 33050-4276
Telephone 305/289-2310

327 - 00026

David B. Struhs
Secretary

SUBMERGED LANDS AND ENVIRONMENTAL RESOURCE PROGRAM

ENVIRONMENTAL RESOURCE PERMIT

PERMITTEE/AUTHORIZED ENTITY:

Commanding Officer, US Naval
Air Station
c/o Robert Cohose
Bechtel Environmental, Inc.
P.O. Box 350
Oak Ridge, TN 37831-0350

Permit/Authorization Number:
44-0150346-001-ES

Date of Issue:
February 16, 1999

Expiration Date of
Construction Phase:
February 16, 2004

County: Monroe

Project: Fill Removal

This permit is issued under the authority of Part IV of Chapter 373, Florida Statutes (F.S.), and Title 62, Florida Administrative Code (F.A.C.). The activity is not exempt from the requirement to obtain an Environmental Resource Permit. Pursuant to Operating Agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C., the Department is responsible for reviewing and taking final agency action on this activity.

This permit also constitutes certification compliance with water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

The Title and Land Records Section, Department of Environmental Protection, has reviewed the location of the proposed project as described in the above referenced application and has determined that the project, as described, does not involve the use of sovereign submerged lands. Accordingly, no further authorization will be required from the Submerged Lands and Environmental Resources Program, designated agent to the Board of Trustees of the Internal Improvement Trust Fund, pursuant to Chapter 253.77, F.S.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 2 of 12

A copy of this authorization also has been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action by the USACOE. You are hereby advised that authorizations also may be required by other federal, state, and local entities. This authorization does not relieve you from the requirements to obtain all other required permits and authorizations.

The above named Permittee is hereby authorized to construct the work shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof. This permit is subject to the limits, conditions, and locations of work shown in the attached drawings, and is also subject to the attached 19 General and 9 Specific Conditions, which are a binding part of this permit. You are advised to read and understand these drawings and conditions prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and with the general and specific conditions of this permit/certification/authorization, as specifically described below.

ACTIVITY DESCRIPTION:

The project is to remediate two contaminated areas within a Hawk Missile site. Site, SD-05 is a shallow man-made pond approximately 40 ft. by 40 ft. in size. Activities at this site include, excavation and vacuuming contaminated sediments from the pond, dewatering the sediment and dispose of the sediment offsite. Site SD-08 is an approximately 25 ft. by 25 ft. vegetated wetland area. Activities at this site include, excavation of contaminated soil to a depth of two feet and back fill the area with clean fill to the original grade and allow the site to naturally revegetate. The total amount of fill removal is approximately 105 cubic yards.

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 3 of 12

ACTIVITY LOCATION:

Isolated pond and wetlands at Hawk Missile site, Key West (Class III Waters), Section 33, Township 67 South, Range 25 East, Monroe County.

GENERAL CONDITIONS:

1. All activities authorized by this permit shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit and a violation of Part Four of Chapter 373, Florida Statutes (F.S.).

2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by the Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

3. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and pollution control to prevent violations of state water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within seven (7) days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. All practices shall be in accordance with the guidelines and specifications described in Chapter Six of the Florida Land Development Manual; A Guide to Sound Land and Water Management (Department of Environmental Regulation, 1988), unless a project-specific erosion and sediment control plan is approved as part of the permit. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 4 of 12

4. The permittee shall notify the Department of the anticipated construction start date within thirty (30) days of the date that this permit is issued. At least forty-eight (48) hours prior to commencement of the activity authorized by this permit, the permittee shall submit to the Department an "Environmental Resource Permit Construction Commencement" notice (Form No. 62-343.900(3), Florida Administrative Code (F.A.C.)) indicating the actual start date and expected completion date.

5. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the Department on an annual basis utilizing an "Annual Status Report Form" (Form No. 62-343.900(4), F.A.C.). Status Report Forms shall be submitted the following June of each year.

6. Within thirty (30) days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law utilizing the supplied "Environmental Resource Permit As-Built Certification by a Registered Professional" (Form No. 62-343.900(5), F.A.C.). The Statement of completion and certification shall be based on on-site observation of construction or review of as-built drawings for the purpose of determining if the work was completed in compliance with permitted plans and specifications. This submittal shall serve to notify the Department that the system is ready for inspection. Additionally, if deviations from the approved drawings are discovered during the certification process, the certification must be accompanied by a copy of the approved permit drawings with deviations note. Both the original and revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor.

7. The operation phase of this permit shall not become effective: until the permittee has complied with the requirements of condition number six (6) above, has submitted a "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" (Form 62-343.900(7), F.A.C.); the Department determines the system to be in compliance with the permitted plans and specifications; and the entity approved by the Department in accordance with Sections 9.0 and

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 5 of 12

10.0 of the Basis of Review for Environmental Resource Permit Applications Within the South Florida Water Management District--August 1995, accepts responsibility for operation and maintenance of the system. The permit shall not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall initiate transfer of permit to the approved responsible operation entity if different from the permittee. Until the permit is transferred pursuant to F.A.C. Rule 62-343.110(1)(d), the permittee shall be liable for compliance with the terms of the permit.

8. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of the phase or portion of the system to a local government or other responsible entity.

9. For those systems that will be operated or maintained by an entity that will require an easement or deed restriction in order to enable that entity to operate or maintain the system in conformance with this permit, such easement or deed restriction must be recorded in the public records and submitted to the Department along with any other final operation and maintenance documents required by Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit Applications Within the South Florida Water Management District--August 1995, prior to lot or unit sales or prior to the completion of the system, whichever occurs first. Other documents concerning the establishment and authority of the operation entity must be filed with the Secretary of State where appropriate. For those systems which are proposed to be maintained by the county or municipal entities, final operation and maintenance documents must be received by the Department when maintenance and operation of the system is accepted by the local government entity. Failure to submit the appropriate final documents will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system and any other permit conditions.

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 6 of 12

10. Should any other regulatory agency require changes to the permitted system, the permittee shall notify the Department in writing of the changes prior to implementation so that a determination can be made whether a permit modification is required.

11. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40E-4 or Chapter 40E-40, F.A.C.

12. The permittee is hereby advised that Section 253.77, F.S. states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorization from the Board of Trustees prior to commencing activity on sovereignty lands or other state owned lands.

13. The permittee is advised that the rules of the South Florida Water Management District require the permittee to obtain a water use permit from the South Florida Water Management District prior to construction dewatering, unless the work qualifies for a general permit pursuant to subsection F.A.C. Rule 40E-20.302(4), also know as the "No Notice" rule.

14. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by this permit.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Section 373.421(2). F.S., provides otherwise.

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 7 of 12

16. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of a permitted system or the real property on which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of F.A.C. Rule 62-343.130. The permittee transferring the permit shall remain liable for corrective actions that may be required as a result of any violations prior to the sale, conveyance or other transfer of the system.

17. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.

18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the appropriate Department office.

19. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

SPECIFIC CONDITIONS:

1. The permittee is hereby advised that Florida law states: "No person shall commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Department of Environmental Protection under Chapter 253, until such person has received from the Board of Trustees of the Internal Improvement Trust Fund the required lease, license, easement, or other form of consent authorizing the proposed use." Pursuant to Florida Administrative Code Rule 18-14, if such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense.

2. The Permittee is hereby relieved from the requirement to submit as-built drawings prepared by a registered professional, as required by General Condition number 6, except where the

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 8 of 12

services of a registered professional are used in the construction of the system. However, the Permittee is still required, within thirty (30) days of completion of construction, to submit a written notice to the Department of the date construction was completed, together with a copy of the permit drawings, modified as appropriate, to reflect the condition of the as-built structure. Such condition also shall not relieve the Permittee from the responsibility for submitting all other information required by this permit.

3. The Department of Environmental Protection's Marathon Office (2796 Overseas Highway, Suite 221, Marathon, Florida 33050) shall be notified in writing 48 hours prior to commencement of work.

4. * Best management practices for erosion and turbidity control, including but not limited to the use of staked hay bales and silt screens, shall be used and maintained as necessary at all times during project construction.

5. The spoil material from the excavations shall not be placed in the wetlands.

6. All spoil material shall be removed from the sites and disposed of in an approved upland location.

7. The final elevation of site SD-08 shall be that of the original wetland grade.

8. The permittee shall provide written notification to the Department's Marathon Branch office, 2796 Overseas Highway, Suite 221, Marathon, Florida 33050 within 72 hours of construction completion.

9. The project shall comply with applicable State Water Quality Standards, namely:

62-302.500 - Minimum Criteria for All Waters at All Times and All Places.

62-302.510 - Surface Waters: General Criteria.

62-302.560 - Criteria - Class III Waters - Recreation, Propagation and Management of Fish and Wildlife: Surface Waters.

Note: In the event of an emergency, the permittee should contact the Department by calling (904)413-9911. During normal business hours, the permittee should call (305)289-2310.

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 9 of 12

RIGHTS OF AFFECTED PARTIES

This permit is hereby granted unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57 of the Florida Statutes, before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

Mediation is not available.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Because the administrative hearing process is designed to redetermine final agency action on the application, the filing of a petition for an administrative hearing may result in a modification of the permit or even a denial of the application. If a sufficient petition for an administrative hearing or request for an extension of time to file a petition is timely filed, this permit automatically becomes only proposed agency action on the application, subject to the result of the administrative review process. Accordingly, the applicant is advised not to commence construction or other activities under this permit until the deadlines noted below for filing a petition for an administrative hearing, or request for an extension of time have expired.

Under rule 62-110.106(4) of the Florida Administrative Code, a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 10 of 12

In the event that a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Any intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

In accordance with rules 28-106.111(2) and 62-110.106(3)(a)(4), petitions for an administrative hearing by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 14 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;

Permittee: Naval Air Station
Permit No. 44-0150346-001-ES
Page 11 of 12

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action; and

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action;

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301. Under sections 120.569(2)(c) and (d) of the Florida Statutes, a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department...

This permit constitutes an order of the Department. The applicant has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department. The applicant, or any party within the meaning of section 373.114(1)(a) of the Florida Statutes, may also seek appellate review of this order before the Land and Water Adjudicatory Commission under section 373.114(1) of the Florida Statutes. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and

Permittee: Naval Air Station
 Permit No. 44-0150346-001-ES
 Page 12 of 12

served on the Department within 20 days from the date when the final order is filed with the Clerk of the Department.

Executed in Marathon, Florida.

STATE OF FLORIDA DEPARTMENT
 OF ENVIRONMENTAL PROTECTION

Randal Grau

Randal Grau
 Environmental Manager
 Submerged Lands and
 Environmental Resources Program

RG/EB/jm

Enclosures

5 pages attached
 2 drawings attached

Copies furnished to:

U. S. Army Corps of Engineers, Miami
 Monroe County Property Appraiser
 DEP Fort Myers

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this permit, including all copies were mailed before the close of business on February 16, 1999, to the above listed persons.

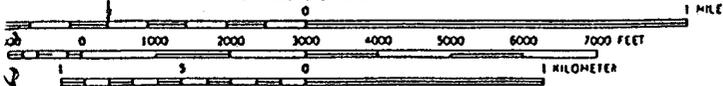
FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52(9), F.S., with the designated Department clerk, receipt of which is hereby acknowledged.

Lana McIntire
 Clerk

2/16/99
 Date

SCALE 1:24 000

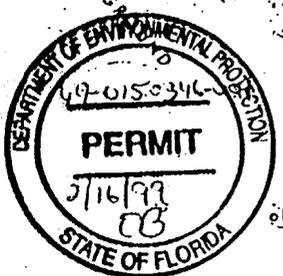


CONTOUR INTERVAL 5 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1.3 FEET

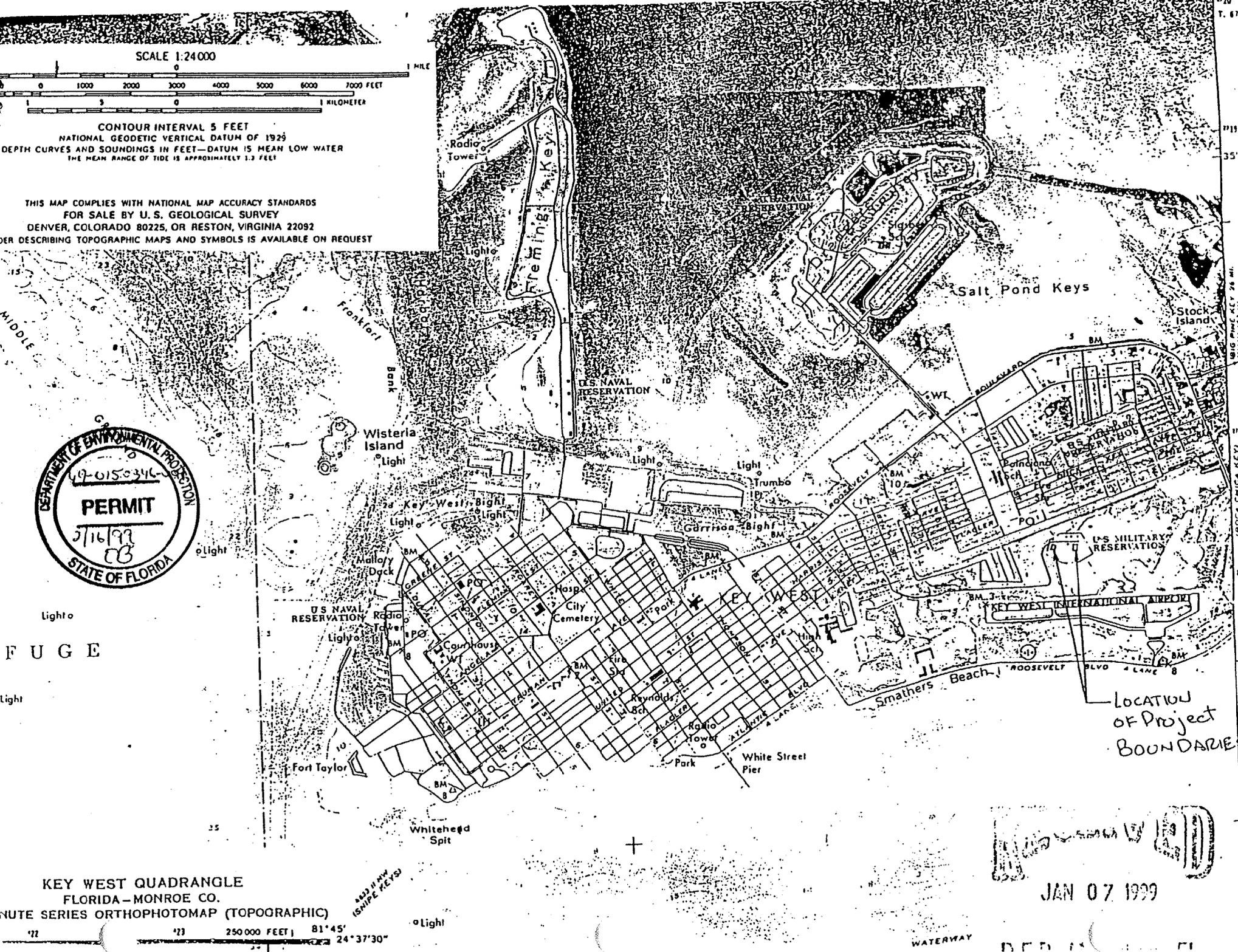
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
ORDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



FUGE

Light

KEY WEST QUADRANGLE
FLORIDA—MONROE CO.
MUTE SERIES ORTHOPHOTOMAP (TOPOGRAPHIC)



JAN 07 1999

WATERWAY

Form #62-343,900(3), F.A.C. _____
Form Title: <u>Construction</u>
<u>Commencement Notice</u>
Date: <u>October 3, 1995</u>

**ENVIRONMENTAL RESOURCE PERMIT
Construction Commencement Notice**

PROJECT: _____ PHASE: _____

I hereby notify the Department of Environmental Protection that the construction of the surface water management system authorized by Environmental Resource Permit No. _____ has commenced / is expected to commence on _____ 199__, and will require a duration of approximately _____ months _____ weeks _____ days to complete. It is understood that should the construction term extend beyond one year, I am obligated to submit the Annual Status Report for Surface Water Management System Construction.

PLEASE NOTE: If the actual construction commencement date is not known, Department staff should be so notified in writing in order to satisfy permit conditions.

_____	_____	_____
Permittee or Authorized Agent	Title and Company	Date
_____	_____	
Phone	Address	

827 - 00026

Form #62-343.900(5), F.A.C.
Form Title: As-Built Certification
by a Registered Professional
Date: October 3, 1995

**ENVIRONMENTAL RESOURCE PERMIT
AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL**

Permit Number: _____

Project Name: _____

I hereby certify that all components of this surface water management system have been built substantially in accordance with the approved plans and specifications and are ready for inspection. Any substantial deviations (noted below) from the approved plans and specifications will not prevent the system from functioning as designed when properly maintained and operated. These determinations are based upon on-site observation of the system conducted by me or by my designee under my direct-supervision and/or my review of as-built plans certified by a registered professional or other appropriate individual as authorized by law.

Name (please print)

Signature of Professional

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

Telephone Number

(Affix Seal)

Substantial deviations from the approved plans and specifications:

(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:

827 - 00026

Form #62-343.900(7), F.A.C.
Form Title: Request for Transfer to Operation Phase
Date: October 3, 1995

REQUEST FOR TRANSFER OF ENVIRONMENTAL RESOURCE PERMIT CONSTRUCTION PHASE TO OPERATION PHASE

(To be completed and submitted by the operating entity)

Florida Department of Environmental Protection

It is requested that Department Permit No. _____ authorizing the construction and operation of a surface water management system for the below mentioned project be transferred from the construction phase permittee to the operation phase operating entity.

PROJECT: _____

FROM: Name: _____

Address: _____

City: _____ State: _____

Zipcode: _____

TO: Name: _____

Address: _____

City: _____ State: _____

Zipcode: _____

The surface water management facilities are hereby accepted for operation and maintenance in accordance with the engineers certification and as outlined in the restrictive covenants and articles of incorporation for the operating entity. Enclosed is a copy of the document transferring title of the operating entity for the common areas on which the surface water management system is located. Note that if the operating entity has not been previously approved, the applicant should contact the Department staff prior to filing for a permit transfer.

The undersigned hereby agrees that all terms and conditions of the permit and subsequent modifications, if any, have been reviewed, are understood and are hereby accepted. Any proposed modifications shall be applied for and obtained prior to such modification.

Operating Entity _____

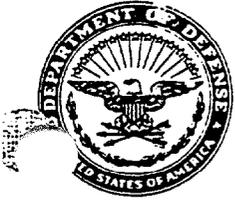
Name _____

Title _____

Telephone _____

Enclosure:

- () Copy of recorded transfer of title surface water management system
- () Copy of plat(s)
- () Copy of recorded restrictive covenants, articles of incorporation, and certificate of incorporation



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

827 - 00020

REPLY TO
ATTENTION OF

CESAJ-RD-SJ (1145b)
199900392 (NW-JC)

1 February 1999

MEMORANDUM FOR CAPT Scott T. Johnson, Commanding Officer,
Naval Air Station, P.O. Box 9001, Key West,
Florida 33040

SUBJECT: Nationwide Permit Verification

1. Reference is made to your Department of the Army (DA) permit application for verification of your proposed project under Nationwide permit number 27. The project includes two areas. Site SD-05 consists of excavating and vacuuming contaminated sediments from a 40- by 40-foot pond, dewatering the sediments and shipping the material to an off-site disposal site. The SF-08 site is an approximate 25- by 25-foot wetland area that will be excavated to a depth of 2 feet to remove low-level metal and organic contamination. After excavation, the area will be backfilled with clean fill to original grade and allowed to naturally revegetate. The project is located at Government Road, at the Hawk Missile Site in Section 33, Township 67 South, Range 25 East, Key West Naval Base, Monroe County, Florida.

2. This verifies that your proposal is authorized by Nationwide Permit number 27 in accordance with the enclosed copy of our regulations as stated in 33 CFR Part 330, Appendix A. This verification is valid for 2 years from the date of this letter, unless this nationwide permit is modified, reissued or revoked. All the nationwide permits, with the exception of Nationwide 26, are scheduled to expire on February 11, 2002, unless modified, issued or revoked. It is incumbent on you to remain informed of changes in these nationwide permits. We will issue a public notice announcing any changes when they occur. In the event that you have not completed construction of your project within the 2-year construction window, reverification under this nationwide permit will be required.

3. A separate DA permit is not required providing the work is done in accordance with the enclosed drawings/information submitted, the conditions listed in 33 CFR part 330, Appendix A,

CESAJ-RD-SJ (199900392 (NW-JC))
SUBJECT: Nationwide Permit Verification

Subparagraph C (Nationwide Permit Conditions), and any appropriate regional conditions (copy enclosed).

4. This letter does not obviate the requirement to obtain any State or local permits which may be necessary for your proposed work. Your nationwide permit verification is specifically conditioned by the State of Florida with the following language, "Projects qualifying for this nationwide permit must be individually reviewed by the State of Florida and receive water quality certification and coastal zone consistency as well as any authorizations required for the use of submerged lands." You should check State permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district. A list of addresses of the appropriate State offices are enclosed for your information and use.

5. This nationwide permit is being verified for the work shown on your permit application. As owner of the property or as a party with the requisite property interest to do the work, you are considered liable for any activities that are not in compliance with this verification. If at some point you no longer have the requisite property interests for this project, you are required to transfer the nationwide verification to the new owner by having them sign the transfer page enclosed. Please send a copy of this transfer to the U.S. Army Corps of Engineers (Corps) at the letterhead address.

6. A general condition of all the nationwide permits is to provide a certification of compliance. This certifies that the work performed under this verification was in accordance with the Corps's authorization, including any general or specific conditions. Once your project is completed, the attached compliance certification must be sent to the Corps' office at the letterhead address.

FOR THE COMMANDER:

Encls

JOHN R. HALL
Chief, Regulatory Division

827 00420

CF:

Robert Cohose, Project Manager
Bechtel Environmental, Inc.
151 Lafayette Drive
Oak Ridge, TN 37830



827 - 00027

Issued Mar. 3, 1999

Submerged Lands and Environmental Resources Program
Florida Department of Environmental Protection
South District Marathon Branch Office
2796 Overseas Highway, Suite 221
Marathon, Florida 33050-4276

Attention: Mr. Randal Grau, Environmental Manager

Subject: Environmental Resource Permit Number 44-0150346-001-ES
Hawk Missile Site, Naval Air Station Key West
30 Day Notice of Intent to Commence Construction

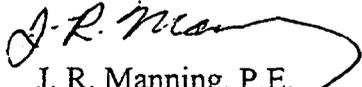
Dear Mr. Grau:

On behalf of the U.S. Navy, Naval Air Station Key West, we are providing notification of our intent to initiate construction activities at the Hawk Missile Site within approximately 30 days from date of this letter. Bechtel Environmental Inc., is the Response Action Contractor (RAC) for the Naval Facilities Engineering Command, Southern Division and as such, has prepared the permit application on behalf of the Navy Air Station (NAS) Key West. The permittee is NAS Key West, and Bechtel will be the implementing contractor for the environmental restoration activities described in the above referenced permit.

For your information, the NAS Key West has also received, from the Jacksonville District Corps of Engineers, verification of their authorization of the work at the Hawk Missile site under Department of the Army Nationwide Permit number 27.

Bechtel will submit the required 48 hour pre-construction notice using the form provided in Permit Number 440150346-001-ES, dated February 16, 1999. This "Environmental Resource Permit Construction Commencement" notice will be issued at the appropriate date just prior to the start of construction activities.

Sincerely,


J. R. Manning, P.E.
Project Engineer

cc: Dudley Patrick, SouthDiv
Jorge Caspary, FDEP Tallahassee Office
Martha Berry, EPA Region IV
Mark Ewing, NAS Key West ROICC Office
Ron Demes, NAS Key West Public Works
Phillip Williams, NAS Key West Public Works

48-Hour Pre-Construction Notice

11:10 AM
MK



FACSIMILE TRANSMISSION REQUEST

Bechtel
151 Lafayette Drive
Oak Ridge, TN 37830

DATE: 24 March 99

NO. PAGES (INCLUDING COVER SHEET): 2

TRANSMISSION TO:

NAME: Florida Department of Environmental Protection	FAX NO.: (305) 289-2314
COMPANY:	LOCATION: Marathon, FL
REMARKS:	

TRANSMISSION FROM: BECHTEL (PROJECT SPECIFIC FAX NO.): (423) 220-2103
MAIN FAX: (423) 220-2000

NAME: Nicke Ring Bechtel Environmental, Inc.	(305) 295-8382	OPERATOR SIGNATURE:
CHARGE NO.:	TIME: (EASTERN)	
REMARKS:		

VERIFIED?

[] YES [] NO

FAX

Bechtel Corporation

Date 04/12/99

Number of pages including cover sheet 2

To:

Mr. Randal Grau

Environmental Mgr.

Marathon Office, FDEP

Phone

Fax Phone 305-289-2314

CC:

From:

J. Robin Manning

Phone (423) 220-2406

Fax Phone (423) 220-2748

REMARKS:

Urgent For your review Reply ASAP Please comment

Dear Mr. Grau – Attached is a copy of a letter we are issuing today to notify your office of our completion of the work described in Environmental Resource Permit Number 44-0150346-001-ES. This permit is for excavation of contaminated soils and sediment at the Hawk Missile Site, NAS Key West. Please do not hesitate to contact me at (423) 220-2406 if you have any questions.

Robin Manning, P.E.

Project Engineer

Bechtel Environmental Inc.



APR 12 1999

Submerged Lands and Environmental Resources Program
Florida Department of Environmental Protection
South District Marathon Branch Office
2796 Overseas Highway, Suite 221
Marathon, Florida 33050-4276

Attention: Mr. Randal Grau, Environmental Manager

Subject: Environmental Resource Permit Number 44-0150346-001-ES
Hawk Missile Site, Naval Air Station Key West
Notice of Construction Completion

Dear Mr. Grau:

On behalf of the U.S. Navy, Naval Air Station (NAS) Key West, we are providing notification of our completion of construction activities at the Hawk Missile Site on Saturday, April 10, 1999. Bechtel Environmental, Inc. is the Response Action Contractor (RAC) for the Naval Facilities Engineering Command, Southern Division and as such, has performed the work on behalf of the permittee, which is NAS Key West.

Bechtel will submit the required Environmental Resource Permit As-Built Certification using the form provided in the above referenced permit. This form will be submitted within 30 days of the date of this letter.

Please let me know if I can answer any questions concerning the status of our work at the Hawk Missile Site.

Sincerely,

J.R. Manning, P.E.
Project Engineer

Cc: Dudley Patrick, SouthDiv
Cc: Jorge Caspary, FDEP Tallahassee Office
Cc: Turpin Ballard, EPA Region IV
Cc: Mark Ewing, NAS Key West ROICC Office
Cc: Ron Demes, NAS Key West Public Works

**NAS KEY WEST BRAC PARCEL FAST TRACK
SOIL REMOVAL PHOTOGRAPH INDEX**

File Name	Parcel	Description
Pic00001.jpg	Parcel C-Subzone 4, DRMO Waste Storage Area	Subzones 3 & 4 after excavation and backfill (facing west)
Pic00003.jpg	Parcel C-Subzone 3, DRMO Waste Storage Area	Excavation nearing completion near water tower and portions of Subzone 3 after excavation and backfill
Pic00007_3.jpg	Parcel C-Subzone 1, DRMO Waste Storage Area, Bldgs. 261 & 284	Excavation in progress
Pic00008_3.jpg	Parcel C-Subzone 1, DRMO Waste Storage Area, Bldgs. 261 & 284	Rear wall of Ft. Zachary Taylor and north wall of Bldg. 284 during excavation activities
Pic00010_2.jpg	Parcel C-Subzone 1, DRMO Waste Storage Area, Bldgs. 261 & 284	Excavation nearing completion
Pic00015A.jpg	Parcel C-Subzone 4	Scrap metal and debris prior to start of work
BRAC01.jpg	Parcel A-Subzone 4, Hamaca Hawk Missile	Sewage lift station area after backfill was placed.
BRAC02.jpg	Parcel A-Subzone 4, Hamaca Hawk Missile	Sewage lift station area during excavation
BRAC03.jpg	Parcel A-Subzone 4, Hamaca Hawk Missile	Sewage lift station area after backfill was placed
BRAC04.jpg	Parcel A-Subzone 4, Hamaca Hawk Missile	Sewage lift station area during excavation.
BRAC05.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Wetland area adjacent to Government Road after excavation and backfill
BRAC06.jpg	Parcel C-Subzone 4, DRMO Waste Storage Area	Scrap metal being loaded for offsite disposal
BRAC07.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Sediment pond after initial sediment removal with excavator
BRAC08.jpg	Parcel C-Subzone 4, DRMO Waste Storage Area	Scrap metal being loaded for transport to offsite disposal
BRAC09.jpg	Parcel C-Subzone 4, DRMO Waste Storage Area	Loading of contaminated soil in Subzone 4 for offsite disposal
BRAC10.jpg	Parcel C-Subzones 3 & 4, DRMO Waste Storage Area	Delivery of clean backfill material at startup of excavation activities
BRAC11.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Geo-Tube for sediment/water filtering
BRAC12.jpg	Parcel C-Subzone 4, DRMO Waste Storage Area	Excavation startup in Subzone 4
BRAC13.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Sediment pond after excavation and sediment collection
BRAC14.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Removal of pond sediments from mangrove roots by centrifugal pumping
BRAC15.jpg	Parcel E-Subzone 2, Former location of Bldg. 136	Loading of trucks for offsite disposal

**NAS KEY WEST BRAC PARCEL FAST TRACK
SOIL REMOVAL PHOTOGRAPH INDEX**

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Pic00001.jpg	Parcel C-Subzone 4, DRMO Waste Storage Area	Subzones 3 & 4 after excavation and backfill (facing west)
Pic00003.jpg	Parcel C-Subzone 3, DRMO Waste Storage Area	Excavation nearing completion near water tower and portions of Subzone 3 after excavation and backfill
Pic00007_3.jpg	Parcel C-Subzone 1, DRMO Waste Storage Area, Bldgs. 261 & 284	Excavation in progress
Pic00008_3.jpg	Parcel C-Subzone 1, DRMO Waste Storage Area, Bldgs. 261 & 284	Rear wall of Ft. Zachary Taylor and north wall of Bldg. 284 during excavation activities
Pic00010_2.jpg	Parcel C-Subzone 1, DRMO Waste Storage Area, Bldgs. 261 & 284	Excavation nearing completion
Pic00015A.jpg	Parcel C-Subzone 4	Scrap metal and debris prior to start of work
BRAC01.jpg	Parcel A-Subzone 4, Hamaca Hawk Missile	Sewage lift station area after backfill was placed.
BRAC02.jpg	Parcel A-Subzone 4, Hamaca Hawk Missile	Sewage lift station area during excavation
BRAC03.jpg	Parcel A-Subzone 4, Hamaca Hawk Missile	Sewage lift station area after backfill was placed
BRAC04.jpg	Parcel A-Subzone 4, Hamaca Hawk Missile	Sewage lift station area during excavation.
BRAC05.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Wetland area adjacent to Government Road after excavation and backfill
BRAC06.jpg	Parcel C-Subzone 4, DRMO Waste Storage Area	Scrap metal being loaded for offsite disposal
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BRAC12.jpg	Parcel C-Subzone 4, DRMO Waste Storage Area	Excavation startup in Subzone 4
BRAC13.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Sediment pond after excavation and sediment collection
BRAC14.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Removal of pond sediments from mangrove roots by centrifugal pumping
BRAC15.jpg	Parcel E-Subzone 2, Former location of Bldg. 136	Loading of trucks for offsite disposal

**NAS KEY WEST BRAC PARCEL FAST TRACK
SOIL REMOVAL PHOTOGRAPH INDEX**

File Name	Parcel	Description
BRAC16.jpg	Parcel A-Subzone 9, Hamaca Hawk Missile	Sediment drying bed
BRAC17.pg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	Excavation completed at east end of Bldg. 102
BRAC18.jpg	Parcel E-Subzone 2, Former location of Bldg. 136	Excavation and loading in progress
BRAC19.jpg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	Electrical transformers between Bldgs. 103 and 104 prior to start of excavation
BRAC20.jpg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	Building 102 excavation in progress
BRAC21.jpg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	Dumping backfill on west side of Bldg. 104
BRAC22.jpg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	Front of Bldg. 104 during excavation
BRAC23.jpg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	West end of Bldg. 103 before excavation
BRAC24.jpg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	6-ft excavation between Bldgs. 103 and 104 (east end)
BRAC25.jpg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	Bldg. 103: area at west end of building in front of electrical transformers after excavation
BRAC26.jpg	Parcel E-Subzone 9, Bldgs. 102, 103, and 104	Bldg. 103: area at west end of building after excavation
BRAC27.jpg	Parcel D-Subzone 1, Seminole Battery	Excavation to 2 ft in progress
BRAC28.jpg	Parcel D-Subzone 1, Seminole Battery	Prior to start of excavation
BRAC29.jpg	Parcel F-Subzone 3, Former Hazardous Waste Storage Area, Bldg. 223	Facing east, excavation to 2 ft complete
BRAC30.jpg	Parcel D-Subzone 1, Seminole Battery	Excavation to 2 ft nearing completion
BRAC31.jpg	Parcel F-Subzone 1, Former Lube Area	Excavation to 2 ft nearing completion
BRAC32.jpg	Parcel D-Subzone 1, Seminole Battery	Excavation and backfill complete



BRAC Parcel A - Subzone 4
Hamaca Hawk Missile Site

BRAC 01.jpg

Sewage lift station area after backfill was placed.
(facing south)



BRAC Parcel A - Subzone 4
Hamaca Hawk Missile Site

BRAC 02.jpg

Sewage lift station area during excavation (facing north)



BRAC Parcel A - Subzone 4
Hamaca Hawk Missile Site

BRAC 03.jpg

Sewage lift station area after backfill was placed.
(facing South)



BRAC Parcel A - Subzone 4
Hamaca Hawk Missile Site

BRAC 04.jpg

Sewage lift station area during excavation



BRAC Parcel A - Subzone 9
Hamaca Hawk Missile Site

BRAC 05.jpg

Wetland area adjacent to Government Road
after excavation and backfill



BRAC Parcel C - Subzone 4

BRAC 06.jpg

Scrap metal being loaded for offsite disposal



BRAC Parcel A - Subzone 9
Hamaca Hawk Missile Site

BRAC 07.jpg

Sediment pond after initial sediment removal with excavator



BRAC Parcel C - Subzone 4

BRAC 08.jpg

Scrap metal being loaded for transport to offsite disposal



BRAC Parcel C - Subzone 4
DRMO Waste Storage Area

BRAC 09.jpg

Loading of contaminated soil in Subzone 4 for offsite disposal



BRAC Parcel C - Subzone 3 & 4
DRMO Waste Storage Area

BRAC 10.jpg

Delivery of clean backfill material at startup of excavation activities



BRAC Parcel A - Subzone 9
Hamaca Hawk Missile Site

BRAC 11.jpg

Geo-Tube for sediment/water filtering



BRAC Parcel C - Subzone 4
DRMO Waste Storage Area

BRAC 12.jpg

Excavation start up in Subzone 4



BRAC Parcel A - Subzone 9
Hamaca Hawk Missile Site

BRAC 13.jpg

Sediment pond after excavation and sediment collection



BRAC Parcel A - Subzone 9
Hamaca Hawk Missile Site

BRAC 14.jpg

Removal of pond sediments from mangrove roots by centrifugal pumping



BRAC Parcel E - Subzone 2
Former location of Bldg. 136

BRAC 15. jpg

Loading of trucks for offsite disposal



BRAC Parcel A - Subzone 9
Hamaca Hawk Missile Site

BRAC 16.jpg

Sediment drying bed



BRAC Parcel E - Subzone 9
(Excavation completed east end Bldg. 102)

BRAC 17.jpg



BRAC Parcel E - Subzone 2
Former location of Bldg. 136

BRAC 18.jpg

Excavation and loading in progress



BRAC Parcel E - Subzone 9
Buildings 102, 103 and 104

BRAC 19.jpg

Electrical transformers between Bldgs. 103 and 104 prior to start of excavation



BRAC Parcel E - Subzone 9
Buildings 102, 103 and 104

BRAC 20.jpg

Building 102: Excavation in progress



BRAC Parcel E - Subzone 9
Bldgs. 102, 103 and 104

BRAC 21.jpg

Dumping backfill on west side of Bldg. 104



BRAC Parcel E - Subzone 9
Bldgs. 102, 103 and 104

BRAC 22.jpg

Front of Bldg. 104 during excavation



BRAC Parcel E - Subzone 9
West end of Bldg. 103

BRAC 23.jpg

Area before excavation



BRAC Parcel E - Subzone 9
(6-foot excavation between Bldgs. 104 and 103, east end)

BRAC 24.jpg



BRAC Parcel E - Subzone 9
Bldg. 103

BRAC 25.jpg

Area at west end of building in front of electrical transformers after excavation



BRAC Parcel E - Subzone 9
Bldg. 103

BRAC 26.jpg

Area at west end of building after excavation



BRAC Parcel E - Subzone 1
Seminole Battery

BRAC 27.jpg

Excavation to 2 feet in progress



BRAC Parcel D - Subzone 1
Seminole Battery

BRAC 28.jpg

Prior to start of excavation



BRAC Parcel F - Subzone 3
Former Hazardous Waste Storage Area, Bldg. 223

BRAC 29.jpg

Facing east, excavation to 2 feet complete



BRAC Parcel E - Subzone 1
Seminole Battery

BRAC 30.jpg

Excavation to 2 feet nearing completion



BRAC Parcel F - Subzone 1
Former Lube Area

BRAC 31.jpg

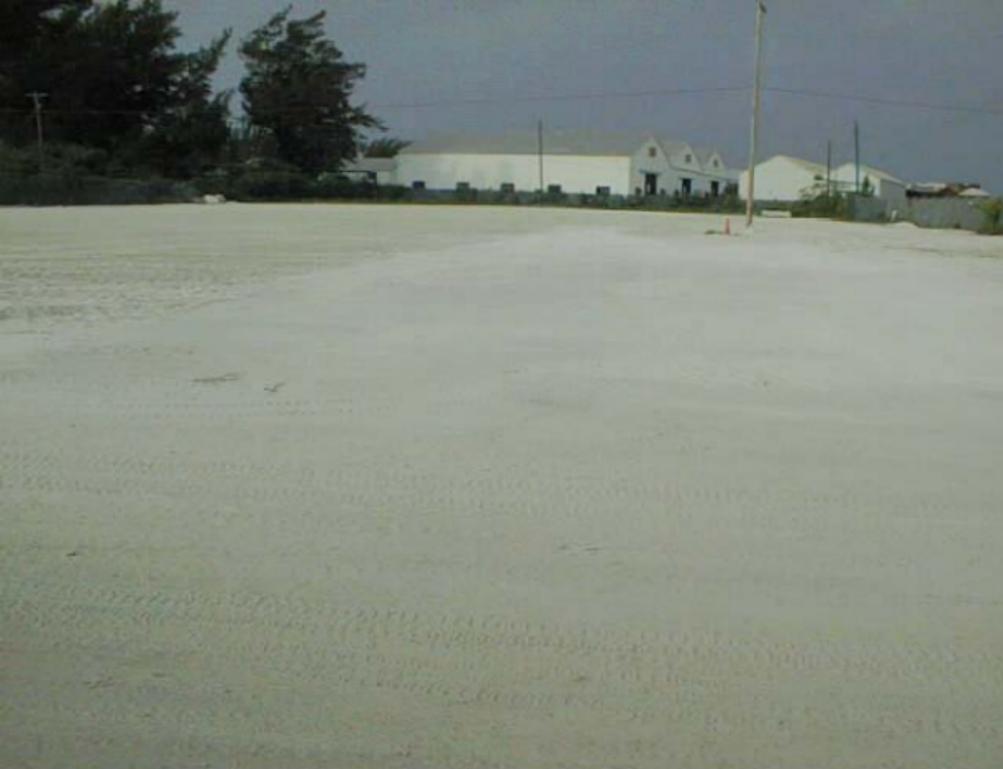
Excavation to 2 feet nearing completion



BRAC Parcel E - Subzone 1
Seminole Battery

BRAC 32. jpg

Excavation and backfill complete



BRAC Parcel C - Subzone 4
DRMO Waste Storage Area

Pic00001.jpg

Subzones 3 & 4 after excavation and backfill. (looking west)



BRAC Parcel C - Subzone 3
DRMO Waste Storage Area, Bldgs. 281 and 284

Pic00003.jpg

Excavation nearing completion in Subzone 3 near water tower,
and portions of Subzone 3 after excavation and backfill



BRAC Parcel C - Subzone 1
DRMO Waste Storage Area, Bldgs. 261 and 284

Pic0007_3.jpg

Excavation in progress
(looking toward rear wall of Ft. Zachary Taylor)



BRAC Parcel C - Subzone 1
DRMO Waste Storage Area, Bldgs. 261 and 284

Pic00008_3.jpg

Rear wall of Ft. Zachary Taylor and north wall
of Bldg. 284 during excavation activities



BRAC Parcel C - Subzone 1
DRMO Waste Storage Area, Bldgs. 261 and 284

Pic00010_2.jpg

Excavation nearing completion



BRAC Parcel C - Subzone 4

Pic00015A.jpg

Scrap metal and debris prior to start of work