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SOURCE REMOVAL REPORT FOR UNDERGROUND STORAGE TANK REMOVAL AT BUILDING 872 TANK G872LS NAS CECIL FIELD FL

4/1/2001

CH2MHILL CONSTRUCTORS INC

Source Removal Report

Underground Storage Tank Removal at Building 872, Tank G872LS

Naval Air Station Cecil Field Jacksonville, Florida

Contract No. N62467-98-D-0995 Contract Task Order No. 0002

Submitted to:

U.S. Naval Facilities Engineering Command Southern Division

Prepared by:

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, N.E.
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April 2001

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Prepared/Approved By:

Samuel M. Ross, Project Manager — Date: 5/14/01

Approved By:

R. Scott Newman, Program Manager — Date: 15 May 01

Client Acceptance:

U.S. Navy Responsible Authority — Date: 5-23-01

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CERTIFICATION OF TECHNICAL DATA CONFORMITY (April 2001)

The contractor, CH2M HILL Constructors, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data, delivered herewith under Contract No. N62467-98-D-0995, Contract Task Order (CTO) No. 0002 is complete and accurate and complies with all requirements of this contract.

DATE:_____

NAME AND TITLE OF CERTIFYING OFFICIAL:

_____

Samuel M. Ross
Project Manager

CH2MHILL
Constructors, Inc.

Certificate of Completion

CH2M HILL Constructors, Inc., attests that, to the best of its knowledge and belief, the removal of underground storage tank G872LS, delivered under Contract No. N62467-98-D-0995, Naval Air Station Cecil Field, Jacksonville, Florida, Contract Task Order (CTO) No. 0002, has been completed, inspected, and tested, and is in compliance with the contract.

_____ _____

Project QC Manager Date

Contents

Acronyms iv
Source Removal Checklist v

1.0 Introduction 1-1
1.1 Site Background 1-1
1.2 Project Objectives 1-1
2.0 Source Removal Activities 2-1
2.1 Site Preparation 2-1
2.2 Tank Removal 2-1
2.3 Soil Excavation and Disposal 2-1
2.3.1 Soil Excavation 2-2
2.3.2 Soil Transportation and Disposal 2-5
2.3.3 Backfilling and Site Restoration 2-5
2.4 Sampling and Analysis 2-6
2.4.1 Headspace Analysis 2-6
2.4.2 Laboratory Analysis of Soil Samples 2-6
2.4.3 Temporary Well Installation and Laboratory Analyses of Groundwater Samples 2-6

3.0 Conclusions 3-1

4.0 References 4-1

Appendices

A Photodocumentation
B Disposal Documentation (Manifests and Waste Characterization Analysis)
C Certificate of Disposal / Treatment
D Analytical Laboratory Report for Clean Fill
E Analytical Laboratory Reports for Confirmatory Soil Samples
F Analytical Laboratory Reports for Confirmatory Groundwater Sample
G FDEP Forms
H Well Logs

Figures

1-1 Site Location Map 1-3
1-2 Pre-Excavation Conditions 1-4
2-1 Soil and Groundwater Sampling Locations 2-4

Tables

2-1 Summary of Headspace Screening Results 2-3
2-2 Summary of Manifests for Soil Disposal 2-5
2-3 Summary of Laboratory Analyses for Soil 2-8
2-4 Summary of Laboratory Analyses for Groundwater 2-8

Acronyms

bls	below land surface
BTEX	benzene, toluene, ethylbenzene, and xylene
CCI	CH2M HILL Constructors Inc.
CTO	Contract Task Order
EPA	U.S. Environmental Protection Agency
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FID	flame ionization detector
FL-PRO	Florida Petroleum Residual Organic
GCTLs	groundwater cleanup target levels
KAG	Kerosene Analytical Group
µg/L	micrograms per liter
mg/kg	milligrams per kilogram
mil	millimeter
MTBE	methyl tributyl ethylene
NAS	Naval Air Station
NAVFAC	Naval Facilities Engineering Command
NTFF	North Tank Fuel Farm
OVA	organic vapor analyzer
PAHs	polynuclear aromatic hydrocarbons
PID	Photo-ionization Detector
ppm	parts per million
PVC	polyvinyl chloride
SCTLs	soil cleanup target levels
TOC	top of casing
TRPH	total recoverable petroleum hydrocarbons
UST	underground storage tank
VOCs	volatile organic compounds

SOURCE REMOVAL REPORT REQUIREMENTS – *CHECKLIST*

Per FAC 62-770.300(3) the Source Removal Report shall contain the following information in detail, as applicable:

Site Name: Building 872 Lift Station UST G872LS **Date(s) of Source Removal Activities: 08/03/00 – 8/08/00**

Required Information	**Response**
1. Volume of product that was discharged, if known	*Unknown*
2. Volume of free product and the volume of groundwater recovered	*Not Applicable*
3. Volume of contaminated soil excavated and treated or properly disposed	*43.34 tons of soil excavated and disposed offsite (See Section 2.3.2 and Appendices B and C).*
4. Disposal or recycling methods for free product and contaminated soil	*Contaminated soils disposed of by thermal treatment/recycling at Kedesh, Inc., Kingston, Georgia.*
5. Disposal methods for other contaminated media	*Approximately 100 gallons residual liquid and washwater disposed of as non-hazardous petroleum contact water- treated and disposed of at Industrial Waste Services, Inc., Jacksonville, Florida (See Appendices B and C for manifests and certificate of treatment).*
6. Scaled site map (including a graphical representation of the scale used) showing location(s) of free product recovered and the area of soil removed or treated and the approximate locations of all samples taken	*See Figures 1-2 and 2-1.*
7. Table summarizing free product thickness in each monitoring well or piezometer and the dates the measurements were made	*No free product was observed in monitoring wells.*
8. Type of field screening instrument or method used	*Foxboro 128 OVA/FID*
9. Dimensions of the excavation(s) and location(s), integrity, capacities and last known contents of storage tanks, integral piping, dispensers, or appurtenances removed	*Excavation area: 14 feet long x 10 feet wide x 6.5 feet maximum depth. one 1,000-gallon UST (containing Diesel Fuel for emergency generator) and associated piping removed. Tank dimensions: 12 feet x 4 feet diameter.*
10. Dimensions of the excavation(s) and location(s) and capacities of replacement underground storage tanks	*Not Applicable. No replacement UST installed.*
11. Table indicating the identification, depth and field soil screening results of each sample collected	*See Table 2-2.*
12. Depth to groundwater at the time of each excavation, measurement locations and method used to obtain that information	*Depth to groundwater measured in adjacent monitor well (CEF-872-1S) by measuring depth to water (feet, TOC) using electronic water level indicator (See Section 2.2.1). Depth to water = 3.40 feet*
13. Type of petroleum or petroleum products discharged	*Diesel Fuel*
14. Documentation confirming the proper treatment or proper disposal of the free product or contaminated soil, including disposal manifests for free product, a copy of the treatment or acceptance of the contaminated soil and results of analyses, if performed	*See Table 2-1 and Appendices B and C.*
15. For land farmed soil, a copy of the pre-treatment and post-treatment analytical results	*Not Applicable. Soil recycled offsite.*

1.0 Introduction

CH2M HILL Constructors, Inc. (CCI) was contracted by the Southern Division, Naval Facilities Engineering Command (NAVFAC) to perform the removal of one 1,000-gallon capacity underground storage tank (UST) (Tank G872LS) from Building 872 Lift Station at former Naval Air Station (NAS) Cecil Field in Jacksonville, Duval County, Florida. A site location map is provided in Figure 1-1. This task included organic vapor analyzer (OVA) soil screening, confirmatory soil and groundwater sample collection during the source removal activities, and preparation of documentation of the field activities. The closure assessment activities were conducted in accordance with the requirements of Chapter 62-761, Florida Administrative Code (FAC), and in accordance with Florida Department of Environmental Protection (FDEP) guidance documents "Storage Tank System Closure Assessment Requirements"(April 1998), and "Quality Assurance Standard Operating Procedures for Petroleum Storage System Closure Requirements." The source removal was conducted in accordance with FDEP Petroleum Contamination Site Cleanup rule Chapter 62-770 FAC.

The scope of services for the UST Closure at Building 872 is described in detail in NAS Cecil Field Basewide Work Plan, Revision 01 (CCI, 1998a) and Work Plan Addendum No. 5, Removal of the North Tank Fuel Farm and Removals at Various Tank Sites (CCI, 2000). This work was authorized under the Remedial Action Contract No. N62467-98-D-0995, Contract Task Order (CTO) No. 0002.

1.1 Site Background

Tank G872LS was a 1,000-gallon capacity diesel fuel UST used to provide fuel for an emergency generator located within Building 872 Lift Station. It was reported that the tank had been installed in 1981. A Confirmatory Sampling Report, prepared by ABB Environmental Services, Inc. (ABB) December 1997, indicated the presence of soil contamination in the vicinity of the UST. That study also included collection and analysis of a groundwater sample from the soil boring that yielded the highest OVA readings. No evidence of groundwater contamination was noted at that time. A site plan showing the site conditions prior to the source removal is provided in Figure 1-2.

1.2 Project Objectives and Summary of Work Performed

The primary objective of the soil excavation that was performed in conjunction with the UST removal at the site was to remove petroleum contaminated soils that exceeded soil cleanup target levels (SCTLs) outlined in Chapters 62-770 and 62-777 FAC. FDEP allows the use of headspace analysis as a screening tool in evaluating whether soil samples exceed the SCTLs.

Soils exhibiting an OVA concentration of greater than 10 parts per million (ppm) were considered to be contaminated and were expected to contain constituents exceeding SCTLs. Soils were excavated until OVA concentrations less than 10 ppm were achieved, and then

confirmatory soil sampling for the Kerosene Analytical Group (KAG) was performed, with the confirmatory soil sampling locations selected as representative of the apparent worst case site conditions, based on the results of the OVA soil screening and visual observations made during the source removal activities. The laboratory analyses for soils include volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (EPA) Method 8021B, polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8310, and total recoverable petroleum hydrocarbons (TRPH) by the Florida Petroleum Residual Organic (FL-PRO) method.

Following completion of the UST removal and soil excavation activities, the excavation was backfilled using clean fill material, and a temporary well point was installed in the location selected as representative of the apparent worst case site conditions. The temporary well point was purged and sampled and the sample was transported under standard chain of custody procedures to Test America, Nashville, Tennessee. The laboratory analysis of the groundwater sample included VOCs by EPA Method 8021B, and PAHs by EPA Method 8310 (KAG).

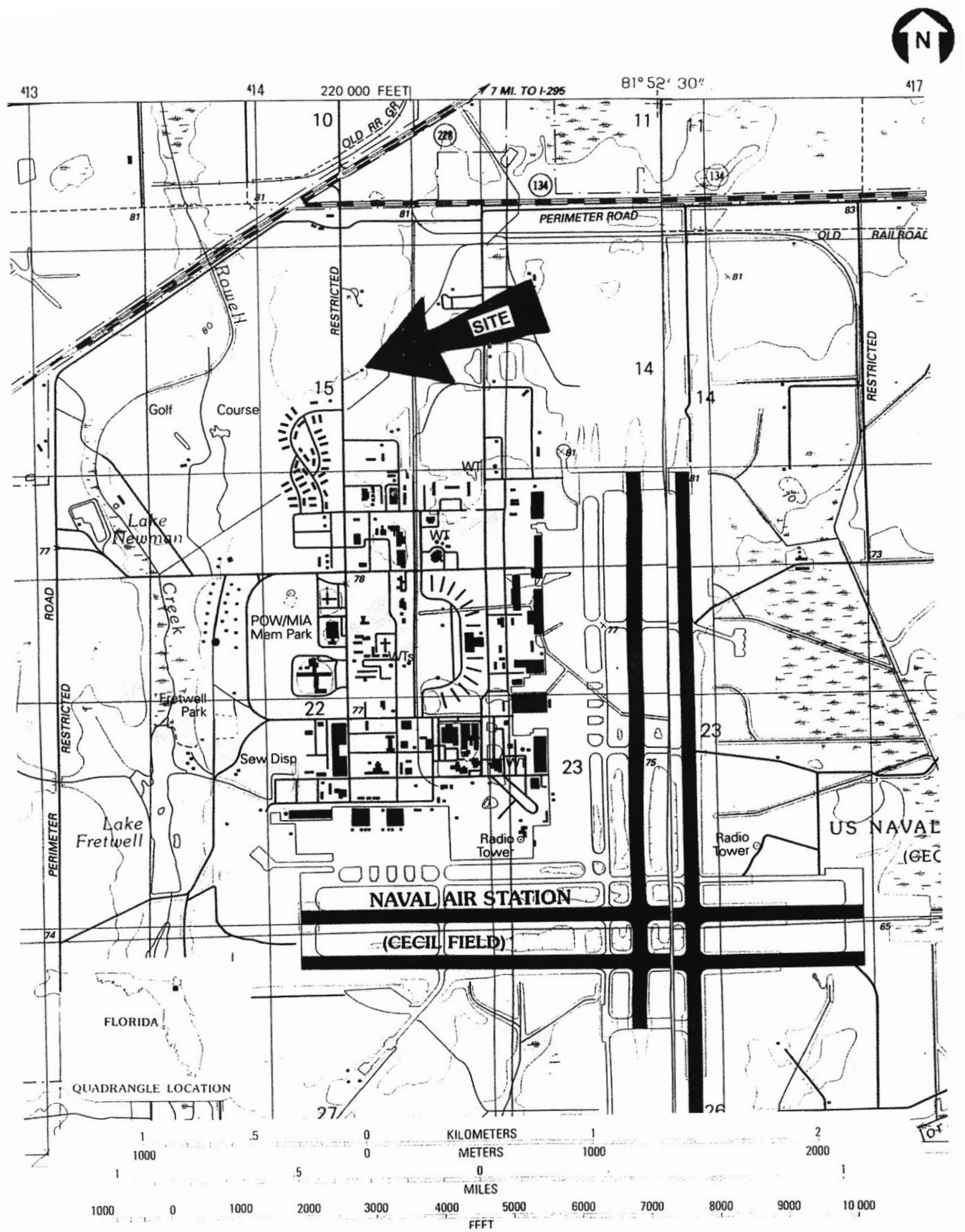

Figure 1-1
Site Location Map
Building 872
NAS Cecil Field
Jacksonville, Florida

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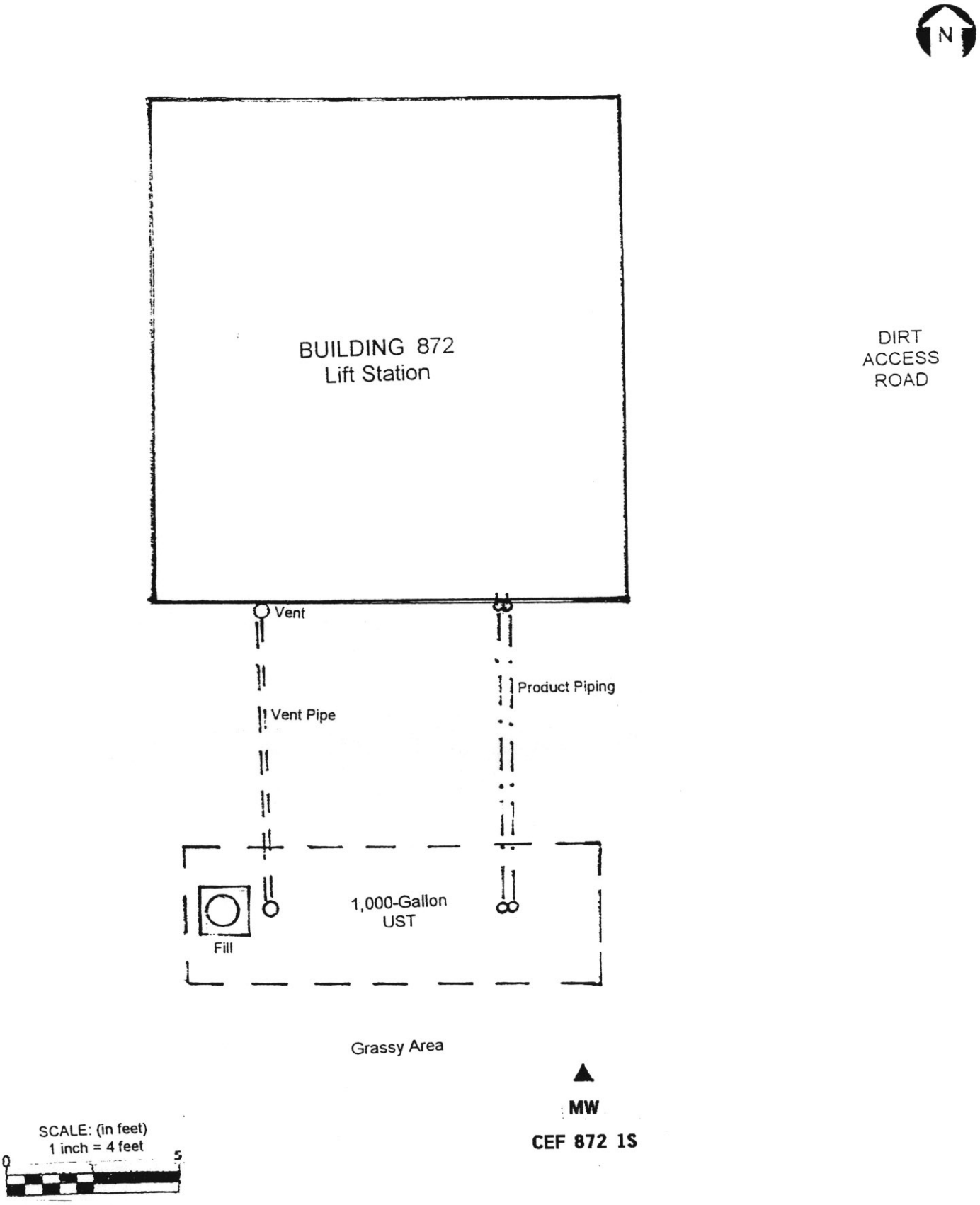

Figure 1-2
Pre-Excavation Conditions
Building 872
NAS Cecil Field
Jacksonville, Florida

CH2MHILL

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2.0 Source Removal Activities

The UST closure and source removal activities were conducted at Building 872 during the period of August 3 to August 8, 2000. A total of 43.34 tons of petroleum contaminated soil were generated by the source removal activities. No free product was observed during the source removal/UST closure assessment. Photo documentation of the field activities is provided in Appendix A.

2.1 Site Preparation

In preparation for excavation, underground utility locate services were contacted for underground utility locations within the proposed area of excavation. Monitoring well CEF-871-1S, adjacent to the UST, was abandoned by a licensed well driller. A copy of the well abandonment log is provided in Appendix H.

2.2 Tank Removal

One 1,000-gallon capacity steel UST, along with associated product piping and vent line, were removed from the site on August 3, 2000. The tank measured approximately 12 feet in length and 4 feet in diameter. Prior to initiating the tank removal activities, a visual inspection of the UST fill ports, vent pipes, and surrounding areas was conducted, and no visible evidence of contamination was observed. Residual liquid remaining in the tank was recovered from the UST by vacuum tanker, and the tank was inerted. The excavated UST appeared to be in generally good condition, with no holes or leaks observed. The empty tank was then rinsed, and the residual liquid (rinseate) was recovered for disposal by vacuum tanker. Associated product piping and the tank vent line were removed concurrently with the UST removal. Product piping consisted of single walled steel piping, which extended from the top of the tank to the south wall of Building 872, a distance of approximately 8 feet. Product lines were flushed and suctioned prior to removal.

Following removal of the tank from the ground, the empty tank carcass was rinsed using a pressure washer and the washwater was recovered for disposal using a vacuum tanker. The tank was inerted and decommissioned prior to being disposed offsite as scrap metal. Approximately 100 gallons of non-hazardous tank residue and rinseate generated by the field activities were containerized into a bulk holding tank along with purge water and residues from other diesel fuel tank removals being conducted as part of the project. These liquids were transported as non-hazardous waste to Industrial Water Services Inc., Jacksonville, Florida, for treatment/disposal. A copy of the manifest and certificate of disposal are provided in Appendices B and C, respectively.

2.3 Soil Excavation and Disposal

Excavation of petroleum contaminated soils was conducted on August 3 and 4, 2000. A closure assessment, which included visual inspection for the presence of stained or

discolored soils during the tank removal activities, OVA soil screening, collection of confirmatory soil and groundwater samples from the tank pit, and documentation of the field activities, was conducted concurrently with the tank removal. The closure assessment was performed in accordance with the requirements of Chapter 62-761 FAC, and FDEP guidance documents "Storage Tank System Closure Assessment Requirements"(April, 1998), and "Quality Assurance Procedures for Storage Tank Closure Assessments."

The extent of soil contamination was delineated during the UST removal and source removal activities using soil headspace analysis screening procedures as outlined in Chapter 62-770 FAC and in FDEP "Guidelines for the Assessment and Remediation of Petroleum Contaminated Soils." Organic vapor analysis of the soil was performed in the field using a Foxboro Model 128 OVA/flame ionization detector (FID). The instrument was calibrated in the field prior to sample collection using a standard of 100 ppm methane.

Excavation was initiated by removing the soil overlying the top of the tank. Soil samples were collected continuously during excavation and screened for the presence of volatile petroleum hydrocarbon vapors using soil vapor headspace analysis techniques. In this procedure, two clean 16-ounce, widemouth glass jars were half-filled with the soil sample to be tested, the jars were sealed with aluminum foil, and allowed to equilibrate at ambient temperatures for a period of 5 to 10 minutes. The organic vapor concentration in the headspace of each jar was then analyzed using the OVA/FID, with one sample being analyzed with a carbon filter, and the other analyzed without a carbon filter, in order to detect and correct for the presence of naturally occurring organic vapors (i.e., methane). The corrected reading is reported in ppm, and represents the concentration of organic vapor from the soil sample resulting from the presence of volatile petroleum hydrocarbon compounds in the sample.

The delineation of contamination during soil excavation was performed by screening samples collected from the limits of the excavation using OVA headspace analysis to determine if additional soil should be excavated. Soil with OVA readings in excess of 10 ppm was excavated, and excavation continued until OVA readings were below 10 ppm. The results of the OVA soil screening are summarized in Table 2-1, and OVA soil sampling locations are shown on Figure 2-1.

Soil samples were collected continuously during the removal of the tanks and integral piping, as well as during the excavation of the petroleum contaminated soils during the source removal. Soil samples were also collected for OVA screening, from beneath the product piping and tank vent pipe.

2.3.1 Soil Excavation

Excavated soils were segregated based on the results of the OVA soil screening analysis. Contaminated soils were excavated with a backhoe and were temporarily stockpiled on site in accordance with Chapter 62-770.300 FAC prior to being loaded into dump trailers for disposal. The stockpiled soil was placed on top of, and covered with, 6 millimeter (mil) plastic sheeting.

TABLE 2-1
Summary of Headspace Screening Results

Sample Location (see Figure 2-1)	Depth (feet bls)	FID Unfiltered (ppm)	FID with Filter (ppm)	FID Corrected (ppm)
1	Surficial	0	0	0
2	0.5	0	0	0
3	0.5	1.4	1.4	0
4	2.0	6.6	6.2	0.4
5	2.0	18	14	4
6	2.0	22	22	0
7	3.0	12	12	0
8	3.0	32	18	14
9	3.0	4.0	4.0	0
10	2.0	24	24	0
11	2.0	340	280	60
12	2.0	820	550	270
13	2.0	0	0	0
14	2.5	8.0	2.2	5.8
15	1.0	4.6	4.6	0
16	1.0	0	0	0
17	1.0	0	0	0
18	3.0	16	16	0
19	3.0	180	180	0
20	3.0	28	28	0
21	1.0	0	0	0
22	2.5	0	0	0
23	1.0	0.2	0.2	0
24	2.5	5.2	5.2	0
25	1.0	0	0	0
26	6.5	160	40	120
27	6.5	62	14	48
28	1.0	0	0	0
29	3.0	7.5	6.0	1.5
30	3.0	18	4	14
31	3.0	36	15	21
32	3.0	42	24	18
33	5.5	660	40	620
34	5.5	25	0	25
35	5.5	>1000	550	>450
36	5.5	260	80	180
37	5.0	690	620	70
38	5.0	390	310	80
39	5.0	44	37	7
40	5.0	34	29	5
41	5.0	110	110	0
42	3.0	0	0	0
43	3.0	0	0	0
44	3.0	110	93	17
45	3.0	0.6	0	0.6
46	3.0	0	0	0
47	3.0	1.0	1.0	1.0
48	2.0	0	0	0
49	3.0	0	0	0
50	2.0	0	0	0
51	3.0	0	0	0

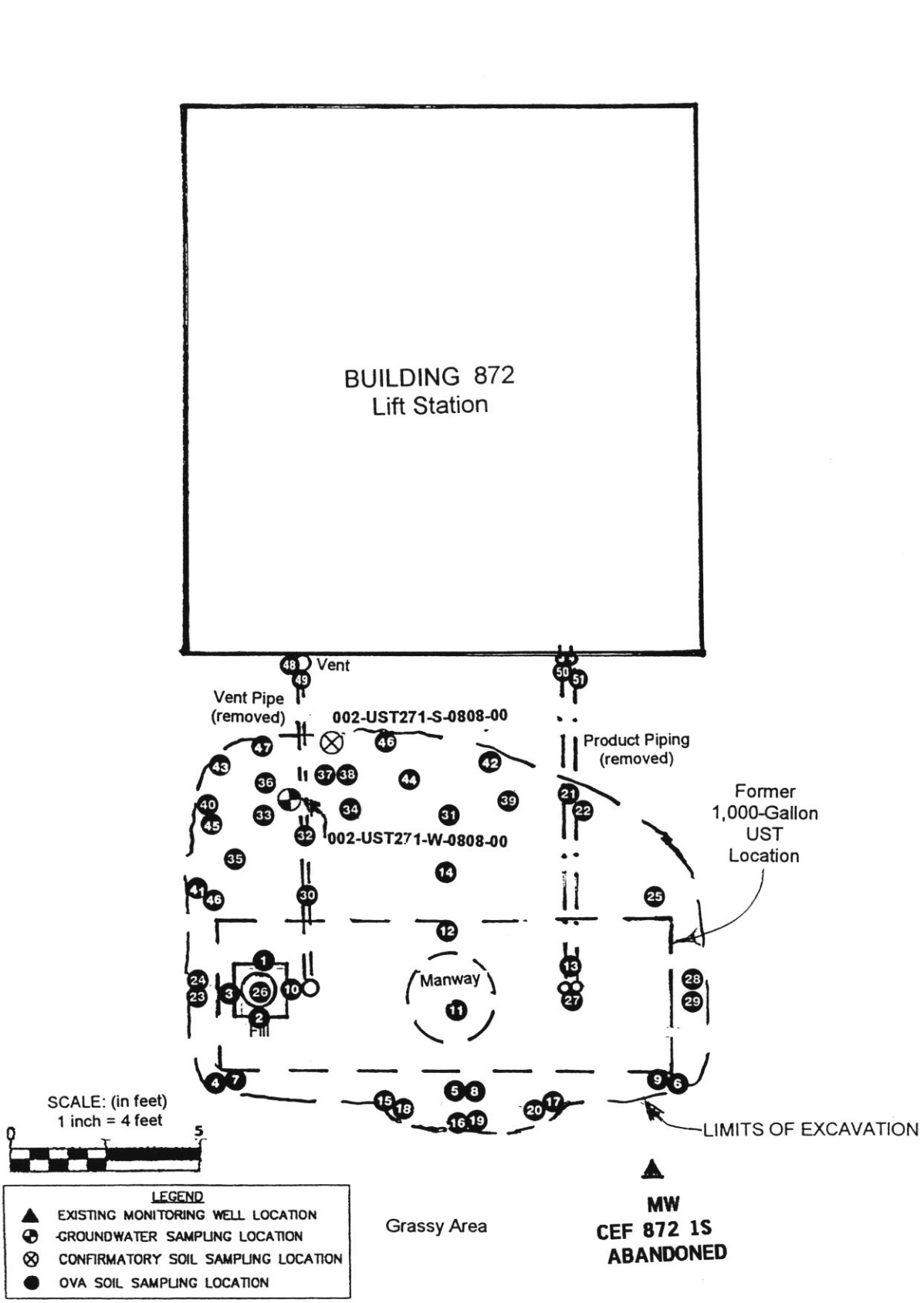

Figure 2-1
Soil and Groundwater Sampling Locations
Building 872
NAS Cecil Field
Jacksonville, Florida

Contaminated soil was excavated to the water table, which was encountered at a depth of approximately 3.5 feet below land surface (bls). Soils were slightly over-excavated in the 'hot spot' area to ensure that all contaminated soils were removed. Prior to commencement of field activities, the depth to groundwater was determined by measuring the depth to water relative to the top of casing (TOC) in a nearby flush-mounted monitor well (CEF-872-1S) using an electronic water level indicator.

A total of 43.34 tons of non-hazardous petroleum-contaminated soil were excavated and disposed offsite. The final excavation area was approximately 14 feet long, 10 feet wide, and was a maximum depth of 6.5 feet deep (beneath the former UST location). The area of highest apparent contamination was noted in the soils adjacent to the north side of the UST manway, and at the northwest corner of the UST excavation.

2.3.2 Soil Transportation and Disposal

The source removal activities generated a total of 43.34 tons (approximately 29 cubic yards) of soil requiring disposal. These soils were transported as non-hazardous petroleum waste to Kedesh, Inc., Kingsland, Georgia, for disposal by thermal treatment/recycling. The limits of excavation are shown on Figure 2-1. A summary of the manifests is presented in Table 2-2 and copies of the manifests are provided in Appendix B. A copy of the Certificate of Disposal is provided in Appendix C.

TABLE 2-2
Summary of Manifests for Soil Disposal

Date	Truck Number	Trucking Company	Manifest Number	Weight (pounds)	Tare (pounds)	Net (pounds)	Net (tons)
09/19/00	9900	Modlin	14670	57,080	22,500	34,580	17.29
09/19/00	9800	Modlin	14860	52,400	23,100	29,300	14.65 *
09/20/00	9900	Modlin	14880	67,140	22,500	44,640	22.32 *
9/28/00	410	Modlin	14890	44,980	23,520	***21,460***	**10.73 ***
						Total	**64.99**
• Clean-up Load – (Partial) Manifest # 14860 = 14.65 total load – 4.65 from site 80 OWS= 10.00 from Building 872 • Clean up Load – (Partial) Manifest # 14880 = 22.32 total load– 7.0 from site 321 - 5.0 from site 190=10.32 from Building 872. • Clean up Load – (Partial) Manifest # 14890 = 10.73 total load – 5.0 from site 271 = 5.73 from Building 872.						Less 21.65 from other sites	43.34

2.3.3 Backfilling and Site Restoration

The material used to backfill the excavation was certified clean fill brought in from the North Tank Fuel Farm (NTFF) removal project at NAS Cecil Field. The certified clean soil used to backfill the Building 872 excavation was taken from NTFF Clean Pile 1. The laboratory analytical report for Clean Pile 1 showing that the material is clean is presented in Appendix D. The backfill was compacted using the excavation equipment. No compaction tests were required. The area was then seeded using a mixture of brown millet, rye, and bahia grass, and fertilized.

2.4 Confirmatory Sampling and Analysis

A confirmatory soil sample was collected from the limits of the excavation at a location selected as representative of the apparent worst case location within the excavation. The sampling location is shown on Figure 2-1.

2.4.1 Headspace Analysis

Soil samples collected from the excavation were screened using an OVA equipped with an FID in accordance with the procedures outlined in Chapter 62-770.200(8) FAC as described in Section 2.3. A methane filter was used to subtract the methane concentration from the results. The horizontal limits of excavation were expanded until net headspace concentrations were below 10 ppm. The results of the headspace analyses are summarized in Table 2-1.

2.4.2 Laboratory Analysis of Soil Samples

Following completion of soil excavation activities, a confirmatory soil sample (Sample ID 002-UST872-S-0808-00) was collected from the area of the excavation selected as representative of the apparent worst case site conditions, based on the results of the OVA soil screening, and on visual indications of the presence of contamination. This sample was collected at a depth of approximately 2.5 feet below the original surface grade, which was approximately 1 foot above the level of the water table.

The confirmatory soil sample was collected using stainless steel hand tools and Encore brand samplers. The sample was placed into pre-cleaned laboratory supplied sample containers, appropriately labeled, sealed in zip-lock type bags and placed on wet ice for transport under standard chain of custody procedures. The samples were delivered to a Navy approved laboratory (Test America) for analysis by the following methods:

- EPA Method 8021B – benzene, toluene, ethylbenzene, and xylene (BTEX) and methyl tributyl ethylene (MTBE)
- EPA Method 8310 - PAHs
- FL-PRO - Total Petroleum Hydrocarbons

The confirmatory soil sampling location is shown on Figure 2-1, and the results of the laboratory analysis summarized in Table 2-3. The results of the laboratory analysis indicate no concentrations above applicable SCTLs. A copy of the analytical laboratory report is provided in Appendix E.

2.4.3 Collection and Laboratory Analyses of Groundwater Samples

Following backfilling of the excavation with clean fill, a temporary well point was installed, and a groundwater sample was collected from the area of the excavation selected as representative of the apparent worst case site conditions. This was determined during the source removal activities to be the area of the excavation near the northwest corner of the former UST location. Soils in this area had exhibited the highest OVA readings and the greatest apparent visual indications of contamination.

The temporary well point was constructed of 2-inch diameter polyvinyl chloride (PVC) with 5 feet of 0.010-inch slotted well screen, and clean filter sand was used to fill the annular space within the screened interval. The well point was installed such that the well screen intercepted the top of the water table, which was encountered at a depth of approximately 3.5 feet below surface grade. Prior to sample collection, the temporary well was purged a total of three standing volumes using a portable peristaltic pump. The purge water was collected and disposed of with the rinseate from the tank. The groundwater sample was then collected from the temporary well using a Teflon bailer. Sample containers, which had been provided by the designated laboratory, were appropriately labeled, preserved, sealed in zip-lock type bags, placed on wet ice, and delivered, under standard chain of custody procedures, to an approved laboratory (Test America) for analysis, as follows:

- EPA Method 8021B – BTEX and MTBE
- EPA Method 8310 - PAHs

The results of the laboratory analysis of the groundwater samples indicated no contaminant concentrations above applicable GCTLs as specified in Chapter 62-777, FAC, Table I. The groundwater sampling location is shown on Figure 2-1, and the results of the laboratory analysis are summarized in Table 2-4. Copies of the analytical laboratory report and chain of custody are provided in Appendix F.

TABLE 2-3
Summary of Confirmatory Soil Analysis, Building 872

Sample Location	Depth	Sample ID	Date	TRPH	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoranthene	Benzo (ghi) Perylene	Benzo (k) Fluoranthene	Chrysene	Dibenzo (ah) Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) Pyrene	Phenanthrene	Pyrene	Naphthalene	1- Methylnaphthalene	2- Methylnaphthalene	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE
Excavation, East Wall	8.0'	002-UST1872-S-0808-00	8/08/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FDEP SCTLs*				340	2.1	27	2500	1.4	0.1	1.4	2300	15	77	0.1	1200	160	1.5	250	880	1.7	2.2	6.1	0.007	0.6	0.5	0.2	0.2

Note: ND = Not Detected. Please see Appendix E for detection limits.
*SCTLs as specified in Chapter 62-777, FAC, Lower of A) Direct Exposure – Residential; B) Direct Exposure – Industrial; or C) Leachability (based on groundwater criteria) concentrations.
Values reported in milligrams per kilogram (mg/kg).

TABLE 2-4
Summary of Groundwater Analysis - Building 872

Sample Location	Depth	Sample ID	Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoranthene	Benzo (ghi) Perylene	Benzo (k) Fluoranthene	Chrysene	Dibenzo (ah) Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) Pyrene	Phenanthrene	Pyrene	Naphthalene	1- Methylnaphthalene	2- Methylnaphthalene	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE
Excavation, East Wall	8.0'	002-UST872-W-0808-00	8/08/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FDEP Groundwater Criteria				20	210	2100	0.2	0.2	0.2	210	0.5	4.8	0.2	280	280	0.2	210	210	20	20	20	1	30	40	20	50
Natural Attenuation Default Source				200	2100	21000	20	20	20	2100	50	48	20	2800	2800	20	2100	2100	200	200	200	100	300	200	200	500

Note: ND = Not Detected. Please see Appendix F for detection limits.
Values reported in micrograms per liter (µg/L).
MTBE = methyl tributyl ethylene

3.0 Conclusions

The removal of UST G872LS from Building 872 Lift Station was conducted on August 3, 2000. Prior to initiating the tank removal activities, a visual inspection of the area around the UST was conducted, and no visible evidence of contamination was observed. Residual liquid remaining in the UST and washwater generated by the field activities were recovered by vacuum tanker. Integral piping (product lines and vent pipe) was removed concurrently with the removal of the UST. The excavated UST appeared to be in generally good condition; however, visual indications of soil contamination were evident in the soils around the UST manway, as well as in the area around the northwest corner of the tank. Contaminated soils were excavated, and soil excavation was continued until the horizontal limits of the excavation had headspace hydrocarbon concentrations, as measures by OVA/FID, of less than 10 ppm. A total of 43.34 tons of petroleum contaminated soils that were identified during the UST closure/source removal were excavated. This soil was transported offsite as non-hazardous petroleum waste for disposal by thermal treatment/ recycling at Kedesh, Inc., Kingston, Georgia. Following completion of the soil excavation activities, the excavation was backfilled using clean fill to restore the excavation to the original grade. The excavated UST and associated piping were decontaminated and disposed offsite as scrap metal.

The results of laboratory analysis of a confirmatory soil sample collected from the limits of the excavation in the apparent worst case location following completion of the soil excavation activities indicated no contaminant concentrations above the applicable SCTLs. In addition, the results of the laboratory analysis of a groundwater sample collected from a temporary well point installed in the apparent worst case location revealed no indication of the presence of petroleum contamination above the applicable GCTLs, as specified in Chapter 62-777 FAC, Table I.

Based on the results of the laboratory analysis of the soil and groundwater samples collected following the source removal activities at Building 872, it appears that the applicable SCTLs and GCTLs have been achieved and no further action is warranted.

4.0 References

ABB Environmental Services, Inc. Confirmatory Sampling Report, Building 872, Tank G872LS, Base Realignment and Closure, Underground Storage Tank and Grey Sites, NAS Cecil Field, Jacksonville, Florida. December 1997.

CH2M HILL Constructors, Inc. Basewide Work Plan Revision 01, NAS Cecil Field, Jacksonville, Florida. November 1998.

CH2M HILL Constructors, Inc. Work Plan Addendum Number 5, Removal of North Fuel Tank Farm and Removals at Various Tank Sites, NAS Cecil Field, Jacksonville, Florida. May 2000.

Appendix A

Photo Documentation

1. Photograph facing generally east, overlooking Building 872 UST area prior to start of field activities.

2. Photograph, facing generally north, overlooking Building 872 UST area prior to start of field activities.

Photodocumentation: Source Removal/UST Closure; Building 872, UST #G872LS
Cecil Field Naval Air Station; Facility ID # 16/8507293
Jacksonville, Duval County, Florida

3. Photograph, facing generally east, overlooking exposed UST #G872LS during UST removal.

4. Photograph documenting removal of UST #G872LS.

Photodocumentation: Source Removal/UST Closure; Building 872, UST #G872LS
Cecil Field Naval Air Station; Facility ID # 16/8507293
Jacksonville, Duval County, Florida

5. Photograph, facing generally west, overlooking area of excavation following removal of UST #G872LS.

6. Photograph, facing generally northwest, overlooking final excavation – Building 872 Source Removal.

Photodocumentation: Source Removal/UST Closure; Building 872, UST #G872LS
Cecil Field Naval Air Station; Facility ID # 16/8507293
Jacksonville, Duval County, Florida

7. Photograph overlooking location of temporary well installed in apparent worst case location following source removal activities and backfilling of excavation.

Photodocumentation: Source Removal/UST Closure; Building 872, UST #G872LS
Cecil Field Naval Air Station; Facility ID # 16/8507293

Appendix B

Disposal Documentation

- Soil Disposal Manifests and Waste Characterization Analysis
- Oily Wastewater Disposal Manifests
- Waste Characterization Analysis

WEIGHMASTER 020408

Underground Utility Contractors, Inc.
5815 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 004980

15:43 09/19/00

TRUCK NO. 9900
GROSS WT. 57080 LBS TRANSPORTER Modlin's

TARE WT (M) 22500 LBS GENERATOR ERI Cecil Field

NET WT. 34580 LBS DRIVER [illegible]

NET WT. 17.29 TON

Weighers Signature Peggy [illegible]

CUSTOMER NUMBER: 00

JOB NUMBER: 012073

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N / A

Manifest Document No. 0

2. Page 1 of 0

8/30/00

3. Generator's Name and Mailing Address
United States Navy N.A.S Cecil Field
6219 Authority AVE.
Jacksonville, FL 32221

4. Generator's Phone (904) 777-8850

5. Transporter 1 Company Name: MODLIN TRUCKING

6. US EPA ID Number: N / A

A. Transporter's Phone: (904) 358-2331

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
KEDESH Inc. (SOIL RECYCLING)
1871 King AVE.
Kingsland, GA 31548

10. US EPA ID Number: 2 9 5 1 0 2 0 1 1 3 1 5

C. Facility's Phone: (912) 579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL	0 0 1	D T	17.37	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
United States Navy Rep. David J. Kruzicki (Environmental MGR.)
CTO-0002 Varios Tank Removals
Building 872

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 Hour Emergency Service --(904) 241-2200
ERI JOB # 2316
TRUCK #
9900

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

Printed/Typed Name: DAVID J. KRUZICKI | Signature: David J. Kruzicki | Month 9 | Day 19 | Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: David McEvirt | Signature: David McEvirt | Month 9 | Day 19 | Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

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

Printed/Typed Name: Peggy Crews | Signature: Peggy Crews | Month 9 | Day 19 | Year 00

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

WEIGHMASTER 020406

Underground Utility Contractors, Inc.
5815 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 004978

15:23 09/19/00

TRUCK NO. 9808
GROSS WT. 52400 LBS TRANSPORTER Modlin's

TARE WT (M) 23100 LBS GENERATOR ERI Cecil Field

NET WT. 29300 LBS DRIVER A.E. Brewer

NET WT. 14.65 TON

Weighers Signature Peggy Crews

CUSTOMER NUMBER: 00

JOB NUMBER: 012073

14.65
- 4.65 - 80 OWS
10.00

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N / A

Manifest Document No. 1406

2. Page 1 of 0

8/30/00

3. Generator's Name and Mailing Address
United States Navy - N.A.S Cecil Field
6219 Authority AVE.
Jacksonville, FL 32221

4. Generator's Phone (904) 777-8850

5. Transporter 1 Company Name
MODLIN TRUCKING

6. US EPA ID Number N / A

A. Transporter's Phone (904) 358-2331

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
KEDESH Inc. (SOIL RECYCLING)
1871 King AVE.
Kingsland, GA 31548

10. US EPA ID Number 2 9 5 1 0 2 0 1 1 3 1 5

C. Facility's Phone (912) 579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL	0 0 1	D T	14.49	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
United States Navy Rep. David J. Kruzicki (Environmental MGR.)
CTO-0002 Varios Tank Removals
Building 80 ows - 872

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 Hour Emergency Service --(904) 241-2200
ERI JOB # 2316
TRUCK # _____

9805

14.65 → 80 OWS
- 4.65
10.00 → 872.

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

Printed/Typed Name: DAVID J. KRUZICKI
Signature: David J. Kruzicki
Month 9 Day 19 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: A.E. BREWER
Signature: A.E. Brewer
Month 9 Day 19 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name: Peggy Crews
Signature: Peggy Crews
Month 9 Day 19 Year 00

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL - RETURN TO GENERATOR

WEIGHMASTER 020430

Underground Utility Contractors, Inc.
5815 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 005002

12:27 09/20/00

TRUCK NO. 9900
GROSS WT. 67140 LBS TRANSPORTER Modlin
TARE WT (M) 22500 LBS GENERATOR E.R.T. Cecil Field
NET WT. 44640 LBS DRIVER [illegible]
NET WT. 22.32 TON Cleanup load
Weighers Signature Kevin [illegible]
CUSTOMER NUMBER: 00
JOB NUMBER: 012073

22.32
- 7.00 - 231
- 5.00 - 190
10.32 - 872

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N / A

Manifest Document No. 1 4 8 8 0

2. Page 1 of 0

8/30/00

Generator's Name and Mailing Address
United States Navy - N.A.S Cecil Field
6219 Authority AVE.
Jacksonville, FL 32221

4. Generator's Phone (904) 777-8850

5. Transporter 1 Company Name: MODLIN TRUCKING

6. US EPA ID Number: N / A

A. Transporter's Phone: (904) 358-2331

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
KEDESH Inc. (SOIL RECYCLING)
1871 King AVE.
Kingsland, GA 31548

10. US EPA ID Number: 2 9 5 1 0 2 0 1 1 3 1 5

C. Facility's Phone: (912) 579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL	0 0 1	D T	21.87	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
United States Navy Rep. David J. Kruzicki (Environmental MGR.)
CTO-0002 Varios Tank Removals
Building 872 x231 +190

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 Hour Emergency Service --(904) 241-2200
ERI JOB # 2316
TRUCK # 9900

Time IN 8:00 AM
Time out 10:54 AM

22.32
- 7.00 -231
- 5.00 -190
10.32 - 872.

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

Printed/Typed Name: DAVID J. KRUZICKI | Signature | Month 09 Day 20 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DAVID MCGUIRT | Signature | Month 09 Day 20 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month . Day . Year .

19. Discrepancy Indication Space
Cleanup Load 9-20-00

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

Printed/Typed Name: Kevin Crowl | Signature | Month 09 Day 20 Year 00

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

WEIGHMASTER 020626

Underground Utility Contractors, Inc.
5815 Highway 17 North
Kingsland, GA 31548
(912) 729-7555
(912) 882-3183

TICKET NO. 005198

5:48 09/28/00

'RUCK NO. 410
iROSS WT. 44980 LBS TRANSPORTER ERI

'ARE WT (M) 23520 LBS GENERATOR ERI

IET WT. 21460 LBS DRIVER

IET WT. 10.73 TON

Weighers Signature

STOMER NUMBER: 00

'B NUMBER: 12073

10.73
- 5.00 Bids 271
5.73 - 872

410

[redacted]

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A
Manifest Document No. 14819
2. Page 1 of 0
8/30/00

3. Generator's Name and Mailing Address
United States Navy - N.A.S Cecil Field
6219 Authority AVE.
Jacksonville, FL 32221
4. Generator's Phone (904) 777-8850

5. Transporter 1 Company Name
~~MODLIN TRUCKING~~ ERT
6. US EPA ID Number N/A
A. Transporter's Phone 241-2201 (904) ~~259-2331~~

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

9. Designated Facility Name and Site Address
KEDESH Inc. (SOIL RECYCLING)
1871 King AVE.
Kingsland, GA 31548
10. US EPA ID Number 2 9 5 1 0 2 0 1 1 3 1 5
C. Facility's Phone (912) 579-9979

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL	0 0 1	D T	18 Yards	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
United States Navy Rep. David J. Kruzicki (Environmental MGR.)
CTO-0002 Varios Tank Removals
Building 871 872

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 Hour Emergency Service --(904) 241-2200
ERI JOB # 2316
TRUCK # 410

10.73
- 5.00 - 871
5.73 - 872

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

Printed/Typed Name: DAVID J. KRUZICKI
Signature: David J. Kruzicki
Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jerald Edmonds
Signature: Jerald Edmonds
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name: Peggy Crews
Signature: Peggy Crews
Month Day Year 9 28 00

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL - RETURN TO GENERATOR

[redacted]

TestAmerica
INCORPORATED

ANALYTICAL REPORT

INTRALABS 6580
TOMMY CARR
1909 SOUTHAMPTON RD.
JACKSONVILLE, FL 32207

Project: #149152
Project Name: N.A.S. CECIL FIELD VARIO
Sampler:

Lab Number: 00-A105727
Sample ID: 002-KAG1-S-0727-00
Sample Type: Solid waste
Site ID:

Date Collected: 7/27/00
Time Collected: 12:40
Date Received: 7/28/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TRPH	ND	mg/kg	11.9	5.0	1	8/ 1/00	1:51	K.Phelps	FPRO	7479
PESTICIDE/PCB's/HERBICIDES										
Aroclor 1016	ND	mg/kg	0.0238	0.0200	1	8/ 7/00	1:09	M. Cauthen	8082	1544
Aroclor 1221	ND	mg/kg	0.0238	0.0200	1	8/ 7/00	1:09	M. Cauthen	8082	1544
Aroclor 1232	ND	mg/kg	0.0238	0.0200	1	8/ 7/00	1:09	M. Cauthen	8082	1544
Aroclor 1242	ND	mg/kg	0.0238	0.0200	1	8/ 7/00	1:09	M. Cauthen	8082	1544
Aroclor 1248	ND	mg/kg	0.0238	0.0200	1	8/ 7/00	1:09	M. Cauthen	8082	1544
Aroclor 1254	ND	mg/kg	0.0238	0.0200	1	8/ 7/00	1:09	M. Cauthen	8082	1544
Aroclor 1260	ND	mg/kg	0.0238	0.0200	1	8/ 7/00	1:09	M. Cauthen	8082	1544
GENERAL CHEMISTRY PARAMETERS										
% Dry Weight	84.	%			1	7/31/00	8:39	J. Rudden	CLP	5915
Reactive Cyanide	ND	mg/kg	2.0	2.0	1	8/10/00	12:50	CHollingsw	SW-846	2390
Reactive Sulfide	ND	mg/kg	20.0	20.0	1	8/10/00	12:50	CHollingsw	SW-846	2390
Corrosivity	NOT CORROSIVE					8/ 6/00	5:00	J.Tyree	1110	1301
Ignitability	NOT IGNITABLE UP TO 200F					8/ 8/00	11:11	McFarland	1010M	1548
	Comment					8/14/00		P.Lane		6130
	Comment					8/10/00		P.Lane		4466
	Comment					8/14/00		P.Lane		6220
	Comment					8/11/00		P.Lane		5317
	Comment					8/11/00		P.Lane		5314
	Comment					8/16/00		P.Lane		8018
	Comment					8/11/00		P.Lane		5315
	Comment					8/10/00		P.Lane		4470

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A105727
Sample ID: 002-KAG1-S-0727-00

TCLP RESULTS

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Method
Arsenic	< 0.100	mg/l	5.0	92	8/10/00	6010B
Barium	< 1.00	mg/l	100	90	8/10/00	6010B
Cadmium	< 0.100	mg/l	1.0	84	8/10/00	6010B
Chromium	< 0.500	mg/l	5.0	82	8/10/00	6010B
Lead	< 0.500	mg/l	5.0	85	8/10/00	6010B
Mercury	< 0.0100	mg/l	0.20	102	8/10/00	7470A
Selenium	< 0.100	mg/l	1.0	100	8/10/00	6010B
Silver	< 0.100	mg/l	5.0	90	8/10/00	6010B
Benzene	< 0.0200	mg/l	0.5	106	8/10/00	8260
Carbon tetrachloride	< 0.0200	mg/l	0.5	102	8/10/00	8260
Chlorobenzene	< 0.0200	mg/l	100	104	8/10/00	8260
Chloroform	< 0.0200	mg/l	6.0	118	8/10/00	8260
1,2-Dichloroethane	< 0.0200	mg/l	0.5	116	8/10/00	8260
1,1-Dichloroethene	< 0.0200	mg/l	0.7	104	8/10/00	8260
Methylethylketone	< 0.100	mg/l	200	109	8/10/00	8260
Tetrachloroethene	< 0.0200	mg/l	0.7	96	8/10/00	8260
Trichloroethene	< 0.0200	mg/l	0.5	96	8/10/00	8260
Vinyl Chloride	< 0.0200	mg/l	0.2	106	8/10/00	8260
Cresols	< 0.0100	mg/l	200	87	8/10/00	8270
1,4-Dichlorobenzene	< 0.0100	mg/l	7.5	84	8/10/00	8270
2,4-Dinitrotoluene	< 0.0100	mg/l	0.13	94	8/10/00	8270
Hexachlorobenzene	< 0.0100	mg/l	0.13	60	8/10/00	8270
Hexchlor-1,3-butadien	< 0.0100	mg/l	0.5	88	8/10/00	8270
Hexachloroethane	< 0.0100	mg/l	3.0	82	8/10/00	8270
Nitrobenzene	< 0.0100	mg/l	2.0	86	8/10/00	8270
Pentachlorophenol	< 0.0100	mg/l	100	92	8/10/00	8270
Pyridine	< 0.0100	mg/l	5.0	90	8/10/00	8270
2,4,5-Trichlorophenol	< 0.0100	mg/l	400	88	8/10/00	8270
2,4,6-Trichlorophenol	< 0.0100	mg/l	2.0	86	8/10/00	8270
Chlordane	< 0.00300	mg/l	0.030	114	8/11/00	8081A
2,4-D	< 0.100	mg/l	10.0	133	8/10/00	8151A
Endrin	< 0.00050	mg/l	0.02	102	8/11/00	8081A
Heptachlor	< 0.00080	mg/l	0.008	86	8/11/00	8081A
Lindane	< 0.00050	mg/l	0.4	102	8/11/00	8081A

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A105727
Sample ID: 002-KAG1-S-0727-00

TCLP RESULTS

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Method
Methoxychlor	< 0.00050	mg/l	10.0	102	8/11/00	8081A
Toxaphene	< 0.010	mg/l	0.50	98	8/11/00	8081A
Silvex	< 0.0100	mg/l	1.0	76	8/10/00	8151A
Heptachlor epoxide	< 0.00080	mg/l	0.008	95	8/11/00	8081A
TCLP Extraction	Initiated				8/ 8/00	1311
Zero Headspace Extraction	Initiated				8/ 8/00	1311

ND - Not detected at the report limit.

Flash point/ignitability reported to the nearest 10 deg F.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PCB's	30.4 gm	10.0 ml	8/ 4/00	J. Rudden	3550

Surrogate	% Recovery	Target Range
surr-o-Terphenyl	104.	62. - 109.
Fla Pro Surr., C-35 hydrocarbon	100.	60. - 118.
VOA Surrogate, 1,2-Dichloroethane, d4	141. #	60. - 138.
VOA Surrogate, Toluene d8	111.	80. - 123.
VOA Surrogate, 4-Bromofluorobenzene	107.	73. - 122.
surr-Nitrobenzene-d5	82.	16. - 120.
surr-2-Fluorobiphenyl	78.	10. - 136.
surr-Terphenyl d14	70.	10. - 119.
surr-Phenol d5	42.	10. - 69.
surr-2-Fluorophenol	42.	10. - 148.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A105727
Sample ID: 002-KAG1-S-0727-00

Surrogate	% Recovery	Target Range
surr-2,4,6-Tribromophenol	100.	11. - 144.
pest surr-TCMX	22. #	23. - 150.
pcb surr-TCMX	204. #	10. - 179.
surr-Dibutylchlorendate	10.	10. - 120.
pcb surr-DCB	202. #	15. - 130.
surr-DCPAA	52.	10. - 161.

All metal and organic results have been corrected for dry weight.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Glenn L. Norton Report Date: 8/16/00

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: HRS-E87358

End of Sample Report.

149152-A page 1 of 3

CHAIN-OF-CUSTODY

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 : Fax No (770) 604-9282

~~9176~~ 201731

PROJECT NAME	PROJECT NUMBER	LAB NAME AND CONTACT	FAX AND MAIL REPORTS/EDD TO RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No , and Fax No)
N.A.S. Cecil Field Various Tank Removals	149152	Test America, Nashville, TN Nancy Reed	Jay Daniel, Environmental Recovery, Inc.	251 Levy Road, Atlantic Beach, FL 322233 phone (904) 241-2200 fax 904-241-4732
PROJECT PHASE/SITE/TASK	CTO OR DO NUMBER	LAB PO NUMBER	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No , and Fax No)
	0002		Bill Canelos, CCI/JAJES	6219 Authority Road, Jacksonville, FL 32221 phone (904) 777-4812 fax 904-777-4262
PROJECT CONTACT	PROJECT TEL NO AND FAX NO	LAB TEL NO AND FAX NO.	FAX AND MAIL REPORTS/EDD TO.: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No , and Fax No)
Bill Canelos	phone (904) 777-4812 fax 904-777-4262	phone (800) 765-0980		LEVEL III

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	1311/8260B TCLP volatiles	1311/8270C TCLP semivolatiles	1311/8081A/8151A TCLP Pesticides/Herbicides	FA-Pro TPH	8082 PCB	1311/Metals/FA TCLP Metals	Reactivity	Corrosivity	Ignitability	SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB I
1	002-KAG1-S-0727-00	Waste Characterization	S	7-27-00		C	14	X	X	X	X	X	X	X	X	X	Comp		1052
2	002-KAG1-S-0727-00	Waste characterization	S	7-27-00	12:40	C	14	X	X	X	X	X	X	X	X	X	Comp		1052
3																		Sample containers sealed in "Ziplock" type bags and placed on ice for Transport (RM)	
4																			
5																			
6																		Samples Hand Delivered to Distribution Tax for Expedite (RM)	
7																			
8																			
9																			
10																			

Account #

SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT

COURIER AND SHIPPING NUMBER: Q Code # 0614001081 99.

SAMPLER(S) AND COMPANY (please print): Richard Moriarity, Environmental Science Associates, Inc.

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Richard Moriarity	7/27/00	16:30	Printed Name and Signature: J Parson	7-27-00	16
Printed Name and Signature:	7-27-00	17:00	Printed Name and Signature: FEDEX	7-27-00	10

Form CC1001, Rev 03/00

Ex 11-2

156500

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No.

2. Page 1 of

10/3/00

3. Generator's Name and Mailing Address
United States Navy - N.A.S Cecil Field
6219 Authority AVE.
Jacksonville, FL 32221

4. Generator's Phone (904) 777-8850

5. Transporter 1 Company Name
ENVIRONMENTAL RECOVERY INC

6. US EPA ID Number
FLD092718576

A. Transporter's Phone
(800)359-3740

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
INDUSTRIAL WATER SERVICES, INC
1640 TALLEYRAND AVENUE
JACKSONVILLE, FL 32206

10. US EPA ID Number
FLD981928484

C. Facility's Phone
(904)354-0372

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON - HAZARDOUS OILY WASTE WATER	001	TT ~~DM~~	12000	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
IWS MPA J020473
CONTENTS FROM BUILDING # 15, 141, 231, 872, 190

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CONTACT: Services, Inc. -- 24 Hour Emergency Service -- (800)-999-1234
ERI JOB # 2316

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

Printed/Typed Name: DAVID J. KRUZICKI, ENV MGR
Signature:
Month Day Year: 10/03/00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ERIC TIDSWELL
Signature:
Month Day Year: 10/04/00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name: Jeff Bush
Signature:
Month Day Year: 10/4/00

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR

#45

TestAmerica
INCORPORATED

ANALYTICAL REPORT

INTRALABS 6580
TOMMY CARR
1909 SOUTHAMPTON RD.
JACKSONVILLE, FL 32207

Lab Number: 00-A120434
Sample ID: 002-KAG2-L-0823-00
Sample Type: Liquid
Site ID:

Date Collected: 8/23/00
Time Collected: 11:50
Date Received: 8/25/00
Time Received: 9:00

Project: 149152-47
Project Name: NAS CECIL FIELD-WASTE CH
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TRPH	1080000	mg/kg	250000	5.0	200	8/30/00	12:16	K.Phelps	FPRO	6961
EXTRACTABLE ORGANICS										
Acenaphthene	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Acenaphthylene	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Anthracene	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Benzo(a)anthracene	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Benzo(a)pyrene	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Benzo(b)fluoranthene	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Benzo(g,h,i)perylene	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Benzo(k)fluoranthene	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
4-Bromophenylphenylether	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Butylbenzylphthalate	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
Carbazole	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
4-Chloro-3-methylphenol	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
4-Chloroaniline	ND	mg/kg	1000	0.330	10	9/10/00	22:37	B.Davis	8270C	6169
bis(2-Chloroethoxy)methane	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
bis(2-Chloroethyl)ether	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
bis(2-Chloroisopropyl)ether	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2-Chloronaphthalene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2-Chlorophenol	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
4-Chlorophenylphenylether	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Chrysene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Dibenzofuran	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Dibenz(a,h)anthracene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A120434
Sample ID: 002-KAG2-L-0823-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2-Dichlorobenzene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
1,3-Dichlorobenzene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
1,4-Dichlorobenzene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
3,3'-Dichlorobenzidine	ND	mg/kg	1000	0.666	10	9/10/00	22:37	B.Davis	8270C	6169
2,4-Dichlorophenol	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Diethylphthalate	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2,4-Dimethylphenol	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Dimethylphthalate	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Di-n-butylphthalate	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
4,6-Dinitro-2-methylphenol	ND	mg/kg	1000	0.830	10	9/10/00	22:37	B.Davis	8270C	6169
2,4-Dinitrophenol	ND	mg/kg	1000	0.830	10	9/10/00	22:37	B.Davis	8270C	6169
2,4-dinitrotoluene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2,6-Dinitrotoluene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Di-n-octylphthalate	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Fluoranthene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Fluorene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Hexachlorobenzene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Hexachlorobutadiene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Hexachlorocyclopentadiene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Hexachloroethane	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Indeno(1,2,3-cd)pyrene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Isophorone	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2-Methylnaphthalene	3900	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2-Methylphenol	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
m,p-Methylphenol	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Naphthalene	1200	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2-Nitroaniline	ND	mg/kg	1000	0.830	10	9/10/00	22:37	B.Davis	8270C	6169
3-Nitroaniline	ND	mg/kg	1000	0.830	10	9/10/00	22:37	B.Davis	8270C	6169
4-Nitroaniline	ND	mg/kg	1000	0.830	10	9/10/00	22:37	B.Davis	8270C	6169
Nitrobenzene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2-Nitrophenol	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
4-Nitrophenol	ND	mg/kg	1000	0.830	10	9/10/00	22:37	B.Davis	8270C	6169
N-nitrosodi-n-propylamine	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
N-nitrosodiphenylamine	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A120434
Sample ID: 002-KAG2-L-0823-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Pentachlorophenol	ND	mg/kg	1000	0.830	10	9/10/00	22:37	B.Davis	8270C	6169
Phenanthrene	700.	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Phenol	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Pyrene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
Bis(2-ethylhexyl)phthalate	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
1,2,4-Trichlorobenzene	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
2,4,5-Trichlorophenol	ND	mg/kg	1000	0.830	10	9/10/00	22:37	B.Davis	8270C	6169
2,4,6-Trichlorophenol	ND	mg/kg	1000	0.333	10	9/10/00	22:37	B.Davis	8270C	6169
VOLATILE ORGANICS										
Acetone	ND	mg/kg	500.0	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Benzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Bromobenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Bromochloromethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Bromoform	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Bromomethane	ND	mg/kg	20.00	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
2-Butanone	ND	mg/kg	500.0	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
n-Butylbenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
sec-Butylbenzene	181.0	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
t-Butylbenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Carbon disulfide	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Carbon tetrachloride	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Chlorobenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Chloroethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
2-Chloroethylvinylether	ND	mg/kg	20.00	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Chloroform	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Chloromethane	ND	mg/kg	20.00	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
2-Chlorotoluene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
4-Chlorotoluene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,2-Dibromo-3-chloropropane	ND	mg/kg	100.0	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Dibromochloromethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,2-Dibromoethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Dibromomethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,2-Dichlorobenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A120434
Sample ID: 002-KAG2-L-0823-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dichlorobenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,4-Dichlorobenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Dichlorodifluoromethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,1-Dichloroethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,2-Dichloroethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,1-Dichloroethene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
cis-1,2-Dichloroethene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
trans-1,2-Dichloroethene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,2-Dichloropropane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,3-Dichloropropane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
2,2-Dichloropropane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,1-Dichloropropene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
cis-1,3-Dichloropropene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
trans-1,3-Dichloropropene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Ethylbenzene	182.0	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Hexachlorobutadiene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
2-Hexanone	ND	mg/kg	100.0	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Isopropylbenzene	98.00	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
4-Isopropyltoluene	161.0	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
4-Methyl-2-pentanone	ND	mg/kg	100.0	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Methylene chloride	ND	mg/kg	50.00	0.0100	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Naphthalene	726.0	mg/kg	50.00	0.0050	10000	9/ 1/00	14:11	R.Ward	8260B	4097
n-Propylbenzene	215.0	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Styrene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,1,1,2-Tetrachloroethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,1,2,2-Tetrachloroethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Tetrachloroethene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Toluene	165.0	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,2,3-Trichlorobenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,2,4-Trichlorobenzene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,1,1-Trichloroethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,1,2-Trichloroethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Trichloroethene	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,2,3-Trichloropropane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A120434
Sample ID: 002-KAG2-L-0823-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2,4-Trimethylbenzene	1620.	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
1,3,5-Trimethylbenzene	460.0	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Vinyl chloride	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Xylenes, Total	1203.	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Bromodichloromethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
Trichlorofluoromethane	ND	mg/kg	20.00	0.0020	10000	9/ 1/00	14:11	R.Ward	8260B	4097
PESTICIDE/PCB's/HERBICIDES										
2,4-D	ND	mg/kg	1.000	0.1670	1	9/ 3/00	7:57	A.Hunt	8151A	106
2,4,5-T	ND	mg/kg	0.100	0.017	1	9/ 3/00	7:57	A.Hunt	8151A	106
2,4,5-TP (Silvex)	ND	mg/kg	0.1000	0.0170	1	9/ 3/00	7:57	A.Hunt	8151A	106
Dalapon	ND	mg/kg	2.00	0.333	1	9/ 3/00	7:57	A.Hunt	8151A	106
2,4-DB	ND	mg/kg	1.00	0.167	1	9/ 3/00	7:57	A.Hunt	8151A	106
Dicamba	ND	mg/kg	0.100	0.0170	1	9/ 3/00	7:57	A.Hunt	8151A	106
Dichloroprop	ND	mg/kg	1.00	0.167	1	9/ 3/00	7:57	A.Hunt	8151A	106
Dinoseb	ND	mg/kg	0.5000	0.0830	1	9/ 3/00	7:57	A.Hunt	8151A	106
MCPA	ND	mg/kg	100.	16.7	1	9/ 3/00	7:57	A.Hunt	8151A	106
MCPP	ND	mg/kg	100.	16.7	1	9/ 3/00	7:57	A.Hunt	8151A	106
Pentachlorophenol	ND	mg/kg	0.1000	0.0330	1	9/ 3/00	7:57	A.Hunt	8151A	106
4-Nitrophenol	ND	mg/kg	0.1000	0.0010	1	9/ 3/00	7:57	A.Hunt	8151A	106
Aldrin	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Aroclor 1016	ND	mg/kg	0.5455	0.0200	1	9/ 1/00	18:01	R. Hunt	8082	7025
Aroclor 1221	ND	mg/kg	0.5455	0.0200	1	9/ 1/00	18:01	R. Hunt	8082	7025
Aroclor 1232	ND	mg/kg	0.5455	0.0200	1	9/ 1/00	18:01	R. Hunt	8082	7025
Aroclor 1242	ND	mg/kg	0.5455	0.0200	1	9/ 1/00	18:01	R. Hunt	8082	7025
Aroclor 1248	ND	mg/kg	0.5455	0.0200	1	9/ 1/00	18:01	R. Hunt	8082	7025
Aroclor 1254	ND	mg/kg	0.5455	0.0200	1	9/ 1/00	18:01	R. Hunt	8082	7025
Aroclor 1260	ND	mg/kg	0.5455	0.0200	1	9/ 1/00	18:01	R. Hunt	8082	7025
a-BHC	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
b-BHC	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
d-BHC	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
g-BHC, Lindane	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
4,4'-DDD	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239
4,4'-DDE	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A120434
Sample ID: 002-KAG2-L-0823-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
4,4'DDT	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Dieldrin	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Endosulfan I	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Endosulfan II	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Endosulfan sulfate	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Endrin	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Endrin aldehyde	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Endrin Ketone	ND	mg/kg	0.100	0.00333	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Heptachlor	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Heptachlor epoxide	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Methoxychlor	ND	mg/kg	0.500	0.0167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
Toxaphene	ND	mg/kg	5.00	0.167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
alpha-Chlordane	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
gamma-Chlordane	ND	mg/kg	0.0500	0.00167	1	9/ 1/00	3:11	A.Hunt	8081A	6239
METALS										
Aluminum	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Antimony	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Arsenic	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Barium	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Beryllium	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Cadmium	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Calcium	113.	mg/kg	5.00	5.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Chromium	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Cobalt	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Copper	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Iron	ND	mg/kg	10.0	10.0	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Lead	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Magnesium	ND	mg/kg	5.00	5.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Manganese	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Mercury	ND	mg/kg	0.100	0.100	1	9/ 8/00	13:41	R. Kelley	7471	4102
Nickel	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Potassium	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Selenium	2.40	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A120434
Sample ID: 002-KAG2-L-0823-00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Silver	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Sodium	ND	mg/kg	10.0	10.0	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Thallium	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Vanadium	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
Zinc	ND	mg/kg	1.00	1.00	1	9/ 8/00	13:41	R. Kelley	6010B	4102
GENERAL CHEMISTRY PARAMETERS										
Cyanide	ND	mg/kg	2.00	2.00	1	9/ 5/00	16:00	CHollingsw	9012A	9015
Flash Point, Closed Cup	FLASHED AT 180F					9/ 6/00	12:00	S. Overton	1010	1357
	Comment					9/ 7/00		P.Lane		2358
	Comment					9/ 9/00		P.Lane		3310
	Comment					9/11/00		P.Lane		4196
	Comment					9/13/00		P.Lane		5731
	Comment					9/ 7/00		P.Lane		2351
	Comment					9/ 9/00		P.Lane		3308
	Comment					9/ 7/00		P.Lane		2354
	Comment					9/ 7/00		P.Lane		2355
pH	6.60	pH units			1	9/ 7/00	13:20	K. Stewart	9045	4099

ND = Not detected at the report limit.

Flash point/ignitability reported to the nearest 10 deg F.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	1.00 gm	10.0 ml	8/28/00	D.Yeager	3550
OC Pest	1.00 gm	10.0 ml	8/28/00	D.Yeager	3550
Herbicides	5. gm	10.0 ml	8/29/00	J. Rudden	8151

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A120434
Sample ID: 002-KAG2-L-0823-00

Surrogate	% Recovery	Target Range
surr-1,2-Dichloroethane, d4	73.	50. - 140.
surr-Toluene d8	98.	73. - 139.
surr-4-Bromofluorobenzene	76.	62. - 131.
surr-Dibromofluoromethane	86.	64. - 145.
pest surr-TCMX	28.	23. - 150.
pest surr-TCMX	72.	43. - 136.
pest surr-DCB	15. #	32. - 194.
surr-DCPAA	134.	10. - 161.

= Recovery outside Laboratory historical limits.

All results reported on a wet weight basis.

FLA PRO surrogates were diluted out due to sample matrix.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Glenn L. Norton Report Date: 9/13/00

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: HRS-E87358

End of Sample Report.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

CHAIN-OF-CUSTODY RECORD

205320 6580

149152-47 page 2 of 2

Hill Co[illegible]tors, Inc.

NAME	PROJECT NUMBER	LAB NAME AND CONTACT	FAX AND MAIL REPORTS/EDD TO RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No., and Fax No.)
Field	149152	Test America, Nashville, TN Nancy Reed	Jay Daniel, Environmental Recovery, Inc.	251 Levy Road, Atlantic Beach, FL 322233 phone (904 241-2200 fax 904-241-4732
Tank Removals			FAX AND MAIL REPORTS/EDD TO RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No., and Fax No.)
PHASE/SITE/TASK	CTO OR DO NUMBER	LAB PO NUMBER	Bill Canelos, CCI/JAJES	6219 Authority Road, Jacksonville, FL 32221 phone (904 777-4812 fax 904-777-4262
Waste Characterization Diesel/Rinsate	0002		FAX AND MAIL REPORTS/EDD TO RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No., and Fax No.)
CONTACT	PROJECT TEL NO AND FAX NO	LAB TEL NO AND FAX NO		
nelos	phone (904) 777-4812 fax 904-777-4262	phone (800) 765-0980		

ANALYSES REQUIRED (Include Method Numbers)

SAMPLE IDENTIFIER	SAMPLE DESCRIPTION LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	VOCs	TPH Gasoline	TPH Diesel	BNA	BTEX	PCBs	PP-PAH	TPH metals	Cyanide	Phosphorus	SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB I
002-KAG2-L-0823-00	Waste characterization Diesel Rinsate	Liquid	8/23/00	11:50	C	14	X	X	X	X	X	X	X	X	X	X	Composite	Diesel Fuel/water mixture	

Sample Kit:
5 x 1000 ml Glass UNP
1 x 1000 ml Glass H_2SO_4 (pH<2)
1 x 500 ml poly HNO_3 (metals)
1 x 500 ml poly NaOH (Cyanide)

Sample containers sealed in ziplock type bags, placed on ice for Transport to Test America

Samples Hand-Delivered to Test America, Fax B[illegible]

SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT

COURIER AND SHIPPING NUMBER

NAME(S) AND COMPANY (please print)					DATE	T
[illegible]rd Moriarity, Environmental Science Associates, Inc.	RELINQUISHED BY Name and Signature	DATE	TIME	RECEIVED BY Printed Name and Signature	8/23/00	17:0
	Richard Moriarty	8/23/00	17:00	Printed Name and Signature	8/24/00	17:2

Appendix C

Certificate of Treatment/Disposal

Kedesh, Inc.

Soil Recycling

11122 Waycross Hwy.
Screven, GA 31560
Tel: (912) 579-9979 • Fax: (912)

CERTIFICATE OF TREATMENT

Under the jurisdiction of the State of Georgia, granted by Permit No. 2951-020-12361, Kedesh, Inc. does, hereby, certify that the Non-Hazardous Petroleum Contaminated Soils received from:

GENERATOR

NAS Cecil Field
6219 Authority Ave.
Jacksonville, FL

JOB LOCATION

Project CTO - 0002

AGENT FOR GENERATOR: Environmental Recovery, Inc. - P.O. #2316

DATE (S) RECEIVED: 18,19,20,28-September-2000

TOTAL AMOUNT RECEIVED: 672.37 Tons
treated and recycled in accordance with state regulation.

Ron Twilley
General Manager

Witness my hand and official seal this 31st day of January, 2001.

Notary Public
My commission expires 16 September 2002.

INDUSTRIAL WATER SERVICES

Industrial Water Services
1980 Avenue "A"
Mobile, Alabama 36615

Facility:
1980 Avenue "A"
Mobile, Alabama 36615
(334) 694-7500
FAX: (334) 694-7508

Corporate Office:
1-800-447-3592
FAX (904) 350-1313

Customer Service:
1-800-4-IWS-HAUL
800-449-7428

Industrial Water Services, Inc.
P.O. Box 43369
Jacksonville, Florida 32203

Facility:
1705 Danese Street
Jacksonville, Florida 32206
(904) 354-0372
FAX: (904) 354-7612

CERTIFICATE OF COMPLIANCE AND DISPOSAL

Generator: UNITED STATES NAVY – N.A.S. CECIL FIELD
Site Location: 6219 AUTHORITY AVENUE – JACKSONVILLE, FL

This certifies that on the 4th of October, 2000; 2,000 gallons of non-hazardous oily waste water as described on manifest number 156500, was disposed of and/or recycled in compliance with all applicable state, federal and local regulations under Industrial User Permit Number ISN 019.

Facility Name:	Industrial Water Services, Inc.
Facility Address:	1640 Talleyrand Avenue Jacksonville, FL
Facility EPA ID#:	FLD 981 928 484
Certified By:	Leslie Detlefsen
Signature:	Leslie Detlefsen
Date:	March 7, 2001

Appendix D

Analytical Laboratory for Clean Fill

Committed To Your Success

LOG NO: C0-07521
Received: 25 JUL 00
Reported: 26 JUL 00

Mr. Bill Canelos
CCI/JA Jones Env. Svcs.
8936 Western Way, Suite 10
Jacksonville, FL 32256

CC: Lisa Schwan (CCI, Atlanta, GA)

Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726
Page 1

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07521-1	002-CPI-S-0724-00	07-24-00/15:15	002-CPI

PARAMETER	07521-1
Petroleum Hydrocarbons (FL-PRO)	
Petroleum Range Organics (FL-PRO), ug/kg dw	23000
Surrogate - o-Terphenyl	104 %
Surrogate - Nonatriacontane (C39)	105 %
Dilution Factor	1
Prep Date	07.25.00
Analysis Date	07.25.00
Batch ID	FLS080
Prep Method	3550
Analyst	HAH

Commited To Your Success

LOG NO: C0-07521
Received: 25 JUL 00
Reported: 26 JUL 00

Mr. Bill Canelos
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Jacksonville, FL 32256

CC: Lisa Schwan (CCI, Atlanta, GA)

Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726

REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07521-1	002-CPI-S-0724-00	07-24-00/15:15	002-CPI

PARAMETER	07521-1
Polynuclear Aromatic Hydrocarbons (8310)	
Acenaphthene, ug/kg dw	<11
Acenaphthylene, ug/kg dw	<11
Anthracene, ug/kg dw	<11
Benzo(a)anthracene, ug/kg dw	<11
Benzo(a)pyrene, ug/kg dw	22
Benzo(b)fluoranthene, ug/kg dw	86 T
Benzo(g,h,i)perylene, ug/kg dw	38 T
Benzo(k)fluoranthene, ug/kg dw	64 T
Chrysene, ug/kg dw	21
Dibenzo(a,h)anthracene, ug/kg dw	82
Fluoranthene, ug/kg dw	62 T
Fluorene, ug/kg dw	<11
Indeno(1,2,3-cd)pyrene, ug/kg dw	<11
Naphthalene, ug/kg dw	<11
Phenanthrene, ug/kg dw	<11
Pyrene, ug/kg dw	31
1-Methylnaphthalene, ug/kg dw	<11
2-Methylnaphthalene, ug/kg dw	<11
Surrogate - 2-Chloroanthracene	115 %
Dilution Factor	1
Prep Date	07.25.00
Analysis Date	07.25.00
Batch ID	PAS252
Prep Method	3550
Analyst	SB

Committed To Your Success

LOG NO: C0-07521
Received: 25 JUL 00
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8936 Western Way, Suite 10
Jacksonville, FL 32256

CC: Lisa Schwan (CCI, Atlanta, GA)

Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07521-1	002-CPI-S-0724-00	07-24-00/15:15	002-CPI

PARAMETER	07521-1
Volatile Organic Compounds (8260)	
Benzene, ug/kg dw	<5.6
Bromobenzene, ug/kg dw	<5.6
Bromochloromethane, ug/kg dw	<5.6
Bromodichloromethane, ug/kg dw	<5.6
Bromoform, ug/kg dw	<5.6
Bromomethane (Methyl bromide), ug/kg dw	<5.6
Carbon tetrachloride, ug/kg dw	<5.6
Chlorobenzene, ug/kg dw	<5.6
Chloroethane, ug/kg dw	<5.6
Chloroform, ug/kg dw	<5.6
Chloromethane, ug/kg dw	<5.6
2-Chlorotoluene, ug/kg dw	<5.6
4-Chlorotoluene, ug/kg dw	<5.6
Dibromochloromethane, ug/kg dw	<5.6
Dibromomethane (Methylene bromide), ug/kg dw	<5.6
1,2-Dibromoethane (EDB), ug/kg dw	<5.6
1,2-Dichlorobenzene, ug/kg dw	<5.6
1,3-Dichlorobenzene, ug/kg dw	<5.6
1,4-Dichlorobenzene, ug/kg dw	<5.6
Dichlorodifluoromethane, ug/kg dw	<5.6
1,1-Dichloroethane, ug/kg dw	<5.6
1,2-Dichloroethane, ug/kg dw	<5.6
1,1-Dichloroethene, ug/kg dw	<5.6
cis-1,2-Dichloroethene, ug/kg dw	<5.6
trans-1,2-Dichloroethene, ug/kg dw	<5.6

Committed To Your Success

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Received: 25 JUL 00
Reported: 26 JUL 00

Mr. Bill Canelos
CCI/JA Jones Env. Svcs.
8936 Western Way, Suite 10
Jacksonville, FL 32256

CC: Lisa Schwan (CCI, Atlanta, GA)

Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07521-1	002-CPI-S-0724-00	07-24-00/15:15	002-CPI

PARAMETER	07521-1
1,2-Dichloropropane, ug/kg dw	<5.6
1,3-Dichloropropane, ug/kg dw	<5.6
2,2 Dichloropropane, ug/kg dw	<5.6
cis-1,3-Dichloropropene, ug/kg dw	<5.6
trans-1,3-Dichloropropene, ug/kg dw	<5.6
Ethylbenzene, ug/kg dw	<5.6
Hexachlorobutadiene, ug/kg dw	<5.6
Isopropylbenzene (Cumene), ug/kg dw	<5.6
p-Isopropyltoluene, ug/kg dw	<5.6
Methylene chloride (Dichloromethane), ug/kg dw	<5.6
Methyl t-butyl ether (MTBE), ug/kg dw	<5.6
Naphthalene, ug/kg dw	<5.6
n-Butylbenzene, ug/kg dw	<5.6
n-Propylbenzene , ug/kg dw	<5.6
sec-Butylbenzene, ug/kg dw	<5.6
Styrene, ug/kg dw	<5.6
t-Butylbenzene, ug/kg dw	<5.6
1,1,1,2-Tetrachloroethane, ug/kg dw	<5.6
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.6
Tetrachloroethene, ug/kg dw	<5.6
Toluene, ug/kg dw	<5.6
1,1,1-Trichloroethane, ug/kg dw	<5.6
1,1,2-Trichloroethane, ug/kg dw	<5.6
1,2,3-Trichlorobenzene, ug/kg dw	<5.6
1,2,4-Trichlorobenzene, ug/kg dw	<5.6
Trichloroethene, ug/kg dw	<5.6

Committed To Your Success

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Reported: 26 JUL 00

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Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726
Page 5

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
07521-1	002-CPI-S-0724-00	07-24-00/15:15	002-CPI

PARAMETER	07521-1
Trichlorofluoromethane, ug/kg dw	<5.6
1,2,3-Trichloropropane, ug/kg dw	<5.6
1,2,4-Trimethylbenzene, ug/kg dw	<5.6
1,3,5-Trimethylbenzene, ug/kg dw	<5.6
Vinyl chloride, ug/kg dw	<5.6
o-Xylene, ug/kg dw	<5.6
m&p-Xylene, ug/kg dw	<5.6
Surrogate - Dibromofluoromethane	<11
Surrogate - Toluene-d8	91 %
Surrogate - 4-Bromofluorobenzene	103 %
Dilution Factor	96 %
Prep Date	1
Analysis Date	07.25.00
Batch ID	07.25.00
Prep Method	KAS097
Analyst	5035
	DWB
Percent Solids	88

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

3355 McLemore Drive, Pensacola, FL 32514
Tel: (850) 474-1001 • Fax: (850) 478-2671

Committed To Your Success

LOG NO: C0-07521
Received: 25 JUL 00
Reported: 26 JUL 00

Mr. Bill Canelos
CCI/JA Jones Env. Svcs.
8936 Western Way, Suite 10
Jacksonville, FL 32256

CC: Lisa Schwan (CCI, Atlanta, GA)

Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726
Page 6

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-2	Method Blank	
07521-3	Lab Control Standard Result	
07521-5	Lab Control Standard % Recovery	
07521-22	LCS Accuracy Control Limit (%R)	
07521-9	Matrix Spike Result	

PARAMETER	07521-2	07521-3	07521-5	07521-22	07521-9	
Petroleum Hydrocarbons (FL-PRO)						
Petroleum Range Organics (FL-PRO), ug/kg dw	<2500	118075	104 %	63 - 153 %	153348	
Surrogate - o-Terphenyl	111 %	133	106 %	---	133	
Surrogate - Nonatriacontane (C39)	80 %	36.5	73 %	---		---
Prep Date	56.0					
Dilution Factor	1	1	1		07.25.00	07.25.0
Analysis Date	07.25.00	07.25.00	07.25.00	---	07.25.00	
Batch ID	FLS080	FLS080	FLS080	---	FLS080	
Prep Method	3550	3550	3550	---	3550	
Analyst	HAH	HAH	HAH	---	HAH	

Commited To Your Success

LOG NO: C0-07521
Received: 25 JUL 00
Reported: 26 JUL 00

Mr. Bill Canelos
CCI/JA Jones Env. Svcs.
8936 Western Way, Suite 10
Jacksonville, FL 32256

CC: Lisa Schwan (CCI, Atlanta, GA)

Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-2	Method Blank	
07521-3	Lab Control Standard Result	
07521-5	Lab Control Standard % Recovery	
07521-22	LCS Accuracy Control Limit (%R)	
07521-9	Matrix Spike Result	

PARAMETER	07521-2	07521-3	07521-5	07521-22	07521-9
Polynuclear Aromatic Hydrocarbons (8310)					
Acenaphthene, ug/kg dw	<10	---	---	---	---
Acenaphthylene, ug/kg dw	<10	6.7	67 %	39 - 137 %	229
Anthracene, ug/kg dw	<10	---	---	---	---
Benzo(a)anthracene, ug/kg dw	<10	---	---	---	---
Benzo(a)pyrene, ug/kg dw	<10	---	---	---	---
Benzo(b)fluoranthene, ug/kg dw	<10	---	---	---	---
Benzo(g,h,i)perylene, ug/kg dw	<10	---	---	---	---
Benzo(k)fluoranthene, ug/kg dw	<10	10.6	106 %	68 - 124 %	382
Chrysene, ug/kg dw	<10	9.6	96 %	65 - 132 %	367
Dibenzo(a,h)anthracene, ug/kg dw	<10	---	---	---	---
Fluoranthene, ug/kg dw	<10	---	---	---	---
Fluorene, ug/kg dw	<10	---	---	---	---
Indeno(1,2,3-cd)pyrene, ug/kg dw	<10	---	---	---	---
Naphthalene, ug/kg dw	<10	---	---	---	---
Phenanthrene, ug/kg dw	<10	8.3	83 %	---	348
Pyrene, ug/kg dw	<10	9.7	97 %	59 - 127 %	351
1-Methylnaphthalene, ug/kg dw	<10	---	---	61 - 120 %	---
2-Methylnaphthalene, ug/kg dw	<10	---	---	---	---
Surrogate - 2-Chloroanthracene	75 %	95 %	95 %	---	103 %
Dilution Factor	1	1	1	---	1
Prep Date	07.25.00	07.25.00	07.25.00	---	07.25.00
Analysis Date	07.25.00	07.25.00	07.25.00	---	07.25.00
Batch ID	PAS252	PAS252	PAS252	---	PAS252
Prep Method	3550	3550	3550	---	3550
Analyst	SB	SB	SB	---	SB

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Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726
Page 8

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-2	Method Blank	
07521-3	Lab Control Standard Result	
07521-5	Lab Control Standard % Recovery	
07521-22	LCS Accuracy Control Limit (%R)	
07521-9	Matrix Spike Result	

PARAMETER	07521-2	07521-3	07521-5	07521-22	07521-9
Volatile Organic Compounds (8260)					
Benzene, ug/kg dw	<5.0	48	96 %	50 - 150 %	55.7
Bromobenzene, ug/kg dw	<5.0	---	---	---	---
Bromochloromethane, ug/kg dw	<5.0	---	---	---	---
Bromodichloromethane, ug/kg dw	<5.0	---	---	---	---
Bromoform, ug/kg dw	<5.0	---	---	---	---
Bromomethane (Methyl bromide), ug/kg dw	<5.0	---	---	---	---
Carbon tetrachloride, ug/kg dw	<5.0	---	---	---	---
Chlorobenzene, ug/kg dw	<5.0	55	110 %	50 - 150 %	61.6
Chloroethane, ug/kg dw	<5.0	---	---	---	---
Chloroform, ug/kg dw	<5.0	---	---	---	---
Chloromethane, ug/kg dw	<5.0	---	---	---	---
2-Chlorotoluene, ug/kg dw	<5.0	---	---	---	---
4-Chlorotoluene, ug/kg dw	<5.0	---	---	---	---
Dibromochloromethane, ug/kg dw	<5.0	---	---	---	---
Dibromomethane (Methylene bromide), ug/kg dw	<5.0	---	---	---	---
1,2-Dibromoethane (EDB), ug/kg dw	<5.0	---	---	---	---
1,2-Dichlorobenzene, ug/kg dw	<5.0	---	---	---	---
1,3-Dichlorobenzene, ug/kg dw	<5.0	---	---	---	---
1,4-Dichlorobenzene, ug/kg dw	<5.0	---	---	---	---

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Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726
Page 9

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-2	Method Blank	
07521-3	Lab Control Standard Result	
07521-5	Lab Control Standard % Recovery	
07521-22	LCS Accuracy Control Limit (%R)	
07521-9	Matrix Spike Result	

PARAMETER	07521-2	07521-3	07521-5	07521-22	07521-9
Dichlorodifluoromethane, ug/kg dw	<5.0	---	---	---	---
1,1-Dichloroethane, ug/kg dw	<5.0	---	---	---	---
1,2-Dichloroethane, ug/kg dw	<5.0	---	---	---	---
1,1-Dichloroethene, ug/kg dw	<5.0	45	90 %	50 - 150 %	52.8
cis-1,2-Dichloroethene, ug/kg dw	<5.0	---	---	---	---
trans-1,2-Dichloroethene, ug/kg dw	<5.0	---	---	---	---
1,2-Dichloropropane, ug/kg dw	<5.0	---	---	---	---
1,3-Dichloropropane, ug/kg dw	<5.0	---	---	---	---
2,2 Dichloropropane, ug/kg dw	<5.0	---	---	---	---
cis-1,3-Dichloropropene, ug/kg dw	<5.0	---	---	---	---
trans-1,3-Dichloropropene, ug/kg dw	<5.0	---	---	---	---
Ethylbenzene, ug/kg dw	<5.0	---	---	---	---
Hexachlorobutadiene, ug/kg dw	<5.0	---	---	---	---
Isopropylbenzene (Cumene), ug/kg dw	<5.0	---	---	---	---
p-Isopropyltoluene, ug/kg dw	<5.0	---	---	---	---
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	---	---	---	---
Methyl t-butyl ether (MTBE), ug/kg dw	<5.0	---	---	---	---
Naphthalene, ug/kg dw	<5.0	---	---	---	---

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Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726
Page 10

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-2	Method Blank	
07521-3	Lab Control Standard Result	
07521-5	Lab Control Standard % Recovery	
07521-22	LCS Accuracy Control Limit (%R)	
07521-9	Matrix Spike Result	

PARAMETER	07521-2	07521-3	07521-5	07521-22	07521-9
n-Butylbenzene, ug/kg dw	<5.0	---	---	---	---
n-Propylbenzene , ug/kg dw	<5.0	---	---	---	---
sec-Butylbenzene, ug/kg dw	<5.0	---	---	---	---
Styrene, ug/kg dw	<5.0	---	---	---	---
t-Butylbenzene, ug/kg dw	<5.0	---	---	---	---
1,1,1,2-Tetrachloroethane, ug/kg dw	<5.0	---	---	---	---
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	---	---	---	---
Tetrachloroethene, ug/kg dw	<5.0	---	---	---	---
Toluene, ug/kg dw	<5.0	58	116 %	50 - 150 %	60.7
1,1,1-Trichloroethane, ug/kg dw	<5.0	---	---	---	---
1,1,2-Trichloroethane, ug/kg dw	<5.0	---	---	---	---
1,2,3-Trichlorobenzene, ug/kg dw	<5.0	---	---	---	---
1,2,4-Trichlorobenzene, ug/kg dw	<5.0	---	---	---	---
Trichloroethene, ug/kg dw	<5.0	52	104 %	50 - 150 %	58.6
Trichlorofluoromethane, ug/kg dw	<5.0	---	---	---	---
1,2,3-Trichloropropane, ug/kg dw	<5.0	---	---	---	---
1,2,4-Trimethylbenzene, ug/kg dw	<5.0	---	---	---	---
1,3,5-Trimethylbenzene, ug/kg dw	<5.0	---	---	---	---
Vinyl chloride, ug/kg dw	<5.0	---	---	---	---
o-Xylene, ug/kg dw	<5.0	---	---	---	---

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Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726
Page 11

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-2	Method Blank	
07521-3	Lab Control Standard Result	
07521-5	Lab Control Standard % Recovery	
07521-22	LCS Accuracy Control Limit (%R)	
07521-9	Matrix Spike Result	

PARAMETER	07521-2	07521-3	07521-5	07521-22	07521-9
m&p-Xylene, ug/kg dw	<10	---	---	---	---
Surrogate - Dibromofluoromethane	88 %	89 %	89 %	---	93 %
Surrogate - Toluene-d8	100 %	103 %	103 %	---	100 %
Surrogate - 4-Bromofluorobenzene	104 %	103 %	103 %	---	100 %
Dilution Factor	1	1	1	---	1
Prep Date	---	---	---	---	07.25.00
Analysis Date	07.25.00	07.25.00	07.25.00	---	07.25.00
Batch ID	KAS097	KAS097	KAS097	---	KAS097
Prep Method	5030	5030	5030	---	5035
Analyst	DWB	DWB	DWB	---	DWB

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Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726
Page 12

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-10	Matrix Spike Duplicate Result	
07521-11	Matrix Spike % Recovery	
07521-12	Matrix Spike Duplicate % Recovery	
07521-13	Precision (%RPD) MS/MSD	
07521-14	MS Precision Advisory Limit (%RPD)	

PARAMETER	07521-10	07521-11	07521-12	07521-13	07521-14
Petroleum Hydrocarbons (FL-PRO)					
Petroleum Range Organics (FL-PRO), ug/kg dw	170034	115 %	130 %	12	30
Surrogate - o-Terphenyl	134	107 %	107 %	---	---
Surrogate - Nonatriacontane (C39)	56.0	112 %	112 %	---	---
Dilution Factor	1	1	1	---	---
Prep Date	07.25.00	07.25.00	07.25.00	---	---
Analysis Date	07.25.00	07.25.00	07.25.00	---	---
Batch ID	FLS080	FLS080	FLS080	---	---
Prep Method	3550	3550	3550	---	---
Analyst	HAH	HAH	HAH	---	---
Polynuclear Aromatic Hydrocarbons (8310)					
Acenaphthylene, ug/kg dw	241	69 %	72 %	5	67
Benzo(k)fluoranthene, ug/kg dw	570	95 %	152 %	39	53
Chrysene, ug/kg dw	362	104 %	102 %	1	45
Phenanthrene, ug/kg dw	334	105 %	100 %	4	48
Pyrene, ug/kg dw	380	96 %	105 %	8	49
Surrogate - 2-Chloroanthracene	115 %	103 %	115 %	---	---
Dilution Factor	1	1	1	---	---
Prep Date	07.25.00	07.25.00	07.25.00	---	---
Analysis Date	07.25.00	07.25.00	07.25.00	---	---
Batch ID	PAS252	PAS252	PAS252	---	---
Prep Method	3550	3550	3550	---	---
Analyst	SB	SB	SB	---	---

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Contract No.: CTO 002
Project: NTFF CLEAN SOIL PILE #1
Sampled By: Client
Code: 172500726

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-10	Matrix Spike Duplicate Result	
07521-11	Matrix Spike % Recovery	
07521-12	Matrix Spike Duplicate % Recovery	
07521-13	Precision (%RPD) MS/MSD	
07521-14	MS Precision Advisory Limit (%RPD)	

PARAMETER	07521-10	07521-11	07521-12	07521-13	07521-14
Volatile Organic Compounds (8260)					
Benzene, ug/kg dw	57.8	97 %	101 %	5	30
Chlorobenzene, ug/kg dw	63.6	107 %	112 %	5	30
1,1-Dichloroethene, ug/kg dw	55.1	92 %	97 %	5	30
Toluene, ug/kg dw	66.4	106 %	116 %	9	30
Trichloroethene, ug/kg dw	59.1	102 %	104 %	2	30
Surrogate - Dibromofluoromethane	91 %	93 %	91 %	---	---
Surrogate - Toluene-d8	100 %	100 %	100 %	---	---
Surrogate - 4-Bromofluorobenzene	96 %	100 %	96 %	---	---
Dilution Factor	1	1	1	---	---
Prep Date	07.25.00	07.25.00	07.25.00	---	---
Analysis Date	07.25.00	07.25.00	07.25.00	---	---
Batch ID	KAS097	KAS097	KAS097	---	---
Prep Method	5035	5035	5035	---	---
Analyst	DWB	DWB	DWB	---	---

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Page 14

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
07521-23	MS Accuracy Advisory Limit (%R)	
07521-24	Surrogate Recovery Limits	

PARAMETER	07521-23	07521-24
Petroleum Hydrocarbons (FL-PRO)		
Petroleum Range Organics (FL-PRO), ug/kg dw	62 - 204 %	---
Surrogate - o-Terphenyl	---	62 - 109 %
Surrogate - Nonatriacontane (C39)	---	60 - 118 %
Polynuclear Aromatic Hydrocarbons (8310)		
Acenaphthylene, ug/kg dw	12 - 145 %	---
Benzo(k)fluoranthene, ug/kg dw	22 - 130 %	---
Chrysene, ug/kg dw	27 - 140 %	---
Phenanthrene, ug/kg dw	40 - 121 %	---
Pyrene, ug/kg dw	29 - 133 %	---
Surrogate - 2-Chloroanthracene	---	17 - 160 %
Volatile Organic Compounds (8260)		
Bromobenzene, ug/kg dw	§→50-150 %	---
Chlorobenzene, ug/kg dw	50 - 150 %	---
1,1-Dichloroethene, ug/kg dw	50 - 150 %	---
Toluene, ug/kg dw	50 - 150 %	---
Trichloroethene, ug/kg dw	50 - 150 %	---
Surrogate - Dibromofluoromethane	---	70 - 130 %
Surrogate - Toluene-d8	---	70 - 130 %
Surrogate - 4-Bromofluorobenzene	---	70 - 130 %

Rick Hayes, Project Manager

Final Page Of Report

Appendix E

Analytical Laboratory Report for Confirmatory Soil Sample

H2M Hill Co[illegible]tors, Inc.
[illegible] Perimeter Center Pl[illegible] [illegible]700
[illegible]nta, GA 30346-1278
[illegible] No (770) 604-9182, Fax No (770) 604-9282

#2521 203354

CHAIN-[illegible] CUSTODY RECORD

149152-32 page _ of _

PROJECT NAME	PROJECT NUMBER	LAB NAME AND CONTACT	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No., and Fax No.)
N.A.S. Cecil Field Various Tank Removals	149152	Test America, Nashville, TN Nancy Reed	Jay Daniel, Environmental Recovery, Inc.	251 Levy Road, Atlantic Beach, FL 322233 phone (904) 241-2200 fax 904-241-4732
PROJECT PHASE/SITE/TASK	CTO OR DO NUMBER:	LAB PO NUMBER	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No., and Fax No.)
Building 872 UST Removal	0002		Bill Canelos, CCI/JAJES	6219 Authority Road, Jacksonville, FL 32221 phone (904) 777-4812 fax 904-777-4262
PROJECT CONTACT	PROJECT TEL NO AND FAX NO:	LAB TEL NO AND FAX NO:	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No., and Fax No.)
Bill Canelos	phone (904) 777-4812 fax 904-777-4262	phone (800) 765-0980		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	BTEX + MTBE 8021B VOA	PAH 8310	TL-PRO	SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	002-TB5-W-0808-00	Trip Blank	DI (W)	8/8/00	06:45	C	14	X			Grab		112061
2	002-EQ1-W-0808-00	Equipment Rinsate Blank Soil Equipment Building 872	DI (W)	8/8/00	09:00	C	14	X	X	X	Grab		162
3	002-EQ2-W-0808-00	Equipment Rinsate Blank Soil Equipment Building 872	DI (W)	8/8/00	09:20	C	14	X	X		Grab		112063
4	002-UST872-S-0808-00	Contingentary Soil Sample Building 872 UST	S	8/8/00	09:30	C	14	X	X	X	Grab		112060
5	002-UST872-W-0808-00	Groundwater Sample Building 872 UST	W (GW)	8/8/00	11:00	C	14	X	X		Grab		112064
6													
7													
8													
9													
10													

- Sample containers Sealed in "Ziplock" type Bags and placed on wet ice for transport (RM)

Samples Hand-Delivered to Test America, JAX for Analysis (RM)

SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT: _

SAMPLER(S) AND COMPANY (please print): Richard Moriarity, Environmental Science Associates, Inc.

COURIER AND SHIPPING NUMBER:

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Richard Moriarity	8/8/00	17:45	Printed Name and Signature: J. Can	8/8/00	1745
Printed Name and Signature:			Printed Name and Signature: M. Beasley 1.5	8/10/00	9:00

Form CC1001, Rev 02/00

Distribution | | Original - Laboratory (To be returned with Analytical Report); | | Copy 1 - Project File. | | Copy 2 - PMO

TestAmerica
INCORPORATED

Sample Identification

002-UST872-S-0808-00

Matrix: Soil
% Dry Weight: 84.
Units: ug/kg dry weight
Dilution Factor: 1.
Analysis Method: SW8021B
Delivery Group: 203354
Instrument: HP-17

Lab Sample ID: 00-A112060
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/11/00
Analysis Time: 20:09
Sample QC Group: 6384

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
71-43-2	Benzene	1.19	U
108-88-3	Toluene	1.19	U
100-41-4	Ethylbenzene	1.19	U
1330-20-7	Xylenes, total	1.19	U
1634-04-4	MTBE	11.9	U

TestAmerica
INCORPORATED

Sample Identification

002-UST872-S-0808-00

Matrix: Soil
% Dry Weight: 84.
Units: ug/kg dry weight
Dilution Factor: 1.
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Grams Extracted: 30.5 g
Extract Vol: 1.00 ml

Lab Sample ID: 00-A112060
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/14/00
Analysis Time: 15:00
Sample QC Group: 5537

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	Naphthalene	39	.... U
.....	Acenaphthene	39	.... U
.....	Anthracene	26	.... U
.....	Fluoranthene	8	.... U
.....	Fluorene	20	.... U
.....	Pyrene	11	.... U
.....	Benzo(a)anthracene	5.1	.... U
.....	Benzo(a)pyrene	4	.... U
.....	Benzo(b)fluoranthene	7	.... U
.....	Benzo(k)fluoranthene	7	.... U
.....	Chrysene	6	.... U
.....	Dibenzo(a,h)anthracene	12	.... U
.....	Indeno(1,2,3-cd)pyrene	17	.... U
.....	Acenaphthylene	80	.... U
.....	Benzo(g,h,i)perylene	30	.... U
.....	Phenanthrene	25	.... U
.....	1-Methylnapthalene	60	.... U
.....	2-Methylnaphthalene	60	.... U

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

TestAmerica
INCORPORATED

Sample Identification

002-UST872-S-0808-00

Matrix: Soil
% Dry Weight: 84.
Units: ug/kg dry weight

Lab Sample ID: 00-A112060
Date Sampled: 8/ 8/00
Date Received: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG

Dilution Factor: 1.
Analysis Method: FPRO
Delivery Group: 203354
Instrument: PE-3
Grams Extracted: 26. g
Extract Vol: 2.0 ml

Analysis Date: 8/12/00
Analysis Time: 3:53
Sample QC Group: 5668

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	.....TRPH	11400	.... U

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Soil
% Dry Weight: 100
Units: UG/KG
Dilution Factor: 1
Analysis Method: SW8015
Delivery Group: 203354
Instrument: HP-17

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/11/00
Analysis Time: 19:08
Sample QC Group: 6384

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION		FLAG
71-43-2	Benzene	1.	....	U
108-88-3	Toluene	1.	....	U
100-41-4	Ethylbenzene	1.	....	U
1330-20-7	Xylenes, total	1.	....	U
1634-04-4	MTBE	10.	....	U

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TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Water
% Dry Weight:
Units: UG/L

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00

Dilution Factor: 1
Analysis Method: SW8015
Delivery Group: 203354
Instrument: 9001-A

Analysis Date: 8/12/00
Analysis Time: 22:40
Sample QC Group: 6307

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION		FLAG
71-43-2	Benzene	1.	....	U
108-88-3	Toluene	1.	....	U
100-41-4	Ethylbenzene	1.	....	U
1330-20-7	Xylenes, total	1.	....	U
1634-04-4	Methyl-t-butylether	1.	....	U

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TestAmerica
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Sample Identification

BLANK

Matrix: Soil
% Dry Weight: 100
Units: UG/KG
Grams Extracted: 25.0 g
Extract Vol: 1.0 ml

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Extraction Date: 8/10/00

QC BATCH #5668

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	.....TRPH	5000	U

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TestAmerica
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Sample Identification

BLANK

Matrix: Water
% Dry Weight:
Units: UG/L
Vol Extracted: 1000 ml
Extract Vol: 1.0 ml

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Extraction Date: 8/10/00

QC BATCH #5654

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	TRPH	100.	U

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TestAmerica
INCORPORATED

Sample Identification

002-EQ1-W-0808-00

Matrix: Water
pH:
Units: ug/l

Lab Sample ID: 00-A112062
Date Sampled:: 8/ 8/00
Date Received: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG

Dilution Factor: 1.
Analysis Method: FPRO
Delivery Group: 203354
Instrument: PE-3
Vol Extracted: 985. ml
Extract Vol: 2.0 ml

Analysis Date: 8/11/00
Analysis Time: 23:45
Sample QC Group: 5654

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	TRPH	200	.... U

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TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Soil
% Dry Weight: 100
Units: UG/KG
Dilution Factor: 1
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Grams Extracted: 30.0 g
Extract Vol: 1.0 ml

Lab Sample ID: BLANK
Date Sampled:
Date Received: 8/10/00
Analysis Date: 8/14/00
Analysis Time: 15:00
Sample QC Group: 5537

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	Naphthalene	33	U
.....	Acenaphthene	33	U
.....	Anthracene	22	U
.....	Fluoranthene	7	U
.....	Fluorene	17	U
.....	Pyrene	9	U
.....	Benzo(a)anthracene	4	U
.....	Benzo(a)pyrene	3	U
.....	Benzo(b)fluoranthene	6	U
.....	Benzo(k)fluoranthene	6	U
.....	Chrysene	5	U
.....	Dibenzo(a,h)anthracene	10	U
.....	Indeno(1,2,3-cd)pyrene	14	U
.....	Acenaphthylene	67	U
.....	Benzo(g,h,i)perylene	25	U
.....	Phenanthrene	21	U
.....	1-Methylnapthalene	50	U
.....	2-Methylnaphthalene	50	U

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Sample Identification

BLANK

Matrix: Water
% Dry Weight:
Units: UG/L
Dilution Factor: 1
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Vol Extracted: 1000 ml
Extract Vol: 1.0 ml

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 11:50
Sample QC Group: 5536

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
91-20-3	Naphthalene	1.00	U
83-32-9	Acenaphthene	1.00	U
120-12-7	Anthracene	0.66	U
206-44-0	Fluoranthene	0.21	U
7782-41-4	Fluorene	0.50	U
129-00-0	Pyrene	0.27	U
56-55-3	Benzo(a)anthracene	0.13	U
50-32-8	Benzo(a)pyrene	0.10	U
205-99-2	Benzo(b)fluoranthene	0.18	U
207-08-9	Benzo(k)fluoranthene	0.17	U
218-01-9	Chrysene	0.15	U
53-70-3	Dibenzo(a,h)anthracene	0.30	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	U
208-96-8	Acenaphthylene	2.00	U
191-24-2	Benzo(g,h,i)perylene	0.76	U
85-01-8	Phenanthrene	0.64	U
90-12-0	1-Methylnapthalene	1.00	U
91-57-6	2-Methylnaphthalene	1.00	U

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INCORPORATED

Sample Identification

002-EQ2-W-0808-00

Matrix: Water
pH:
Units: ug/l
Dilution Factor: 1.
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Vol Extracted: 500. ml
Extract Vol: 1.00 ml

Lab Sample ID: 00-A112063
Date Sampled:: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 11:50
Sample QC Group: 5536

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
91-20-3	Naphthalene	2	U
83-32-9	Acenaphthene	2	U
120-12-7	Anthracene	1.32	U
206-44-0	Fluoranthene	0.42	U
7782-41-4	Fluorene	1	U
129-00-0	Pyrene	0.54	U
56-55-3	Benzo(a)anthracene	0.26	U
50-32-8	Benzo(a)pyrene	0.2	U
205-99-2	Benzo(b)fluoranthene	0.36	U
207-08-9	Benzo(k)fluoranthene	0.34	U
218-01-9	Chrysene	0.3	U
53-70-3	Dibenzo(a,h)anthracene	0.6	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	U
208-96-8	Acenaphthylene	4	U
191-24-2	Benzo(g,h,i)perylene	1.52	U
85-01-8	Phenanthrene	1.28	U
90-12-0	1-Methylnapthalene	2	U
91-57-6	2-Methylnaphthalene	2	U

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Appendix F

Analytical Laboratory Report for Confirmatory Groundwater Sample

CH2M Hill Co[illegible]tors, Inc.
[illegible] Perimeter Center Pl[illegible] [illegible]700
[illegible]nta, GA 30346-1278
[illegible] No (770) 604-9182 : Fax No (770) 604-9282

#2521 203354

CHAIN-[illegible] CUSTODY RECORD

COC [illegible] 149152-32 page __ of __

PROJECT NAME	PROJECT NUMBER	LAB NAME AND CONTACT	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No., and Fax No.)
N.A.S. Cecil Field Various Tank Removals	149152	Test America, Nashville, TN Nancy Reed	Jay Daniel, Environmental Recovery, Inc.	251 Levy Road, Atlantic Beach, FL 322233 phone (904) 241-2200 fax 904-241-4732
PROJECT PHASE/SITE/TASK	CTO OR DO NUMBER:	LAB PO NUMBER	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No., and Fax No.)
Building 872 UST Removal	0002		Bill Canelos, CCI/JAJES	6219 Authority Road, Jacksonville, FL 32221 phone (904) 777-4812 fax 904-777-4262
PROJECT CONTACT	PROJECT TEL NO AND FAX NO:	LAB TEL NO AND FAX NO	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No., and Fax No.)
Bill Canelos	phone (904) 777-4812 fax 904-777-4262	phone (800) 765-0980		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	BTEX+TPHC 8021B Vol	PAH 8310	TL-PBC	SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	002-TB5-W-0808-00	Trip Blank	DI (W)	8/8/00	06:45	C	14	X			Grab		112061
2	002-EQ1-W-0808-00	Equipment Rinsate Blank Soil Equipment Building 872	DI (W)	8/8/00	09:00	C	14	X	X	X	Grab		1 62
3	002-EQ2-W-0808-00	Equipment Rinsate Blank Soil Equipment Building 872	DI (W)	8/8/00	09:20	C	14	X	X		Grab		112063
4	002-UST872-S-0808-00	Confirmatory Soil Sample Building 872 UST	S	8/8/00	09:30	C	14	X	X	X	Grab		112060
5	002-UST872-W-0808-00	Groundwater Sample Building 872 UST	W (GW)	8/8/00	11:00	C	14	X	X		Grab		112064
6												- Sample containers Sealed in "Ziplock" type Bags and placed on wet ice for transport (RM)	
7												Samples Hand-Delivered to Test America, JAX for Shipping (RM)	
8													
9													
10													

SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT: _

SAMPLER(S) AND COMPANY (please print): Richard Moriarity, Environmental Science Associates, Inc.

COURIER AND SHIPPING NUMBER:

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Richard Moriarity Richard Moriarity	8/8/00	17:45	Printed Name and Signature: J. Can	8/8/00	1745
Printed Name and Signature			Printed Name and Signature: M. Beasley	8/10/00	9:[illegible]

Form CC1001, Rev 03/00

Distribution | | Original - Laboratory (To be returned with Analytical Report); | | Copy 1 - Project File. | | Copy 2 - PMO

TestAmerica
INCORPORATED

Sample Identification

002-UST872-W-0808-00

Matrix: Water
pH:
Units: ug/l
Dilution Factor: 1.
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Vol Extracted: 960. ml
Extract Vol: 1.00 ml

Lab Sample ID: 00-A112064
Date Sampled:: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 11:50
Sample QC Group: 5536

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
91-20-3	Naphthalene	1.04	U
83-32-9	Acenaphthene	1.04	U
120-12-7	Anthracene	0.69	U
206-44-0	Fluoranthene	0.22	U
7782-41-4	Fluorene	0.52	U
129-00-0	Pyrene	0.28	U
56-55-3	Benzo(a)anthracene	0.14	U
50-32-8	Benzo(a)pyrene	0.1	U
205-99-2	Benzo(b)fluoranthene	0.19	U
207-08-9	Benzo(k)fluoranthene	0.18	U
218-01-9	Chrysene	0.16	U
53-70-3	Dibenzo(a,h)anthracene	0.31	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	U
208-96-8	Acenaphthylene	2.08	U
191-24-2	Benzo(g,h,i)perylene	0.79	U
85-01-8	Phenanthrene	0.67	U
90-12-0	1-Methylnapthalene	1.04	U
91-57-6	2-Methylnaphthalene	1.04	U

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Sample Identification

002-UST872-W-0808-00

Matrix: Water
pH:
Units: ug/l
Dilution Factor: 1.
Analysis Method: SW8021B
Delivery Group: 203354
Instrument: 9001-A

Lab Sample ID: 00-A112064
Date Sampled:: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 3:22
Sample QC Group: 6307

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
71-43-2	Benzene	1.00	U
108-88-3	Toluene	1.00	U
100-41-4	Ethylbenzene	1.00	U
1330-20-7	Xylenes, total	1.00	U
1634-04-4	Methyl-t-butylether	1.00	U

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TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Soil
% Dry Weight: 100
Units: UG/KG
Dilution Factor: 1
Analysis Method: SW8015
Delivery Group: 203354
Instrument: HP-17

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/11/00
Analysis Time: 19:08
Sample QC Group: 6384

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION		FLAG
71-43-2	Benzene	1.	....	U
108-88-3	Toluene	1.	....	U
100-41-4	Ethylbenzene	1.	....	U
1330-20-7	Xylenes, total	1.	....	U
1634-04-4	MTBE	10.	....	U

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TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Water
% Dry Weight:
Units: UG/L

Dilution Factor: 1
Analysis Method: SW8015
Delivery Group: 203354
Instrument: 9001-A

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00

Analysis Date: 8/12/00
Analysis Time: 22:40
Sample QC Group: 6307

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION		FLAG
71-43-2	Benzene	1.	....	U
108-88-3	Toluene	1.	....	U
100-41-4	Ethylbenzene	1.	....	U
1330-20-7	Xylenes, total	1.	....	U
1634-04-4	Methyl-t-butylether	1.	....	U

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TestAmerica
INCORPORATED

Sample Identification

002-TB5-W-0808-00

Matrix: Water
pH:
Units: ug/l
Dilution Factor: 1.
Analysis Method: SW8021B
Delivery Group: 203354
Instrument: 9001-A

Lab Sample ID: 00-A112061
Date Sampled:: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 1:48
Sample QC Group: 6307

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
71-43-2	Benzene	1.00	U
108-88-3	Toluene	1.00	U
100-41-4	Ethylbenzene	1.00	U
1330-20-7	Xylenes, total	1.00	U
1634-04-4	Methyl-t-butylether	1.00	U

TestAmerica
INCORPORATED

Sample Identification

002-EQ1-W-0808-00

Matrix: Water
pH:
Units: ug/l
Dilution Factor: 1.
Analysis Method: SW8021B
Delivery Group: 203354
Instrument: 9001-A

Lab Sample ID: 00-A112062
Date Sampled:: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 2:19
Sample QC Group: 6307

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
71-43-2	Benzene	1.00	U
108-88-3	Toluene	1.00	U
100-41-4	Ethylbenzene	1.00	U
1330-20-7	Xylenes, total	1.00	U
1634-04-4	Methyl-t-butylether	1.00	U

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TestAmerica
INCORPORATED

Sample Identification

002-EQ2-W-0808-00

Matrix: Water
pH:
Units: ug/l
Dilution Factor: 1.
Analysis Method: SW8021B
Delivery Group: 203354
Instrument: 9001-A

Lab Sample ID: 00-A112063
Date Sampled:: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 2:51
Sample QC Group: 6307

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
71-43-2	Benzene	1.00	U
108-88-3	Toluene	1.00	U
100-41-4	Ethylbenzene	1.00	U
1330-20-7	Xylenes, total	1.00	U
1634-04-4	Methyl-t-butylether	1.00	U

TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Soil
% Dry Weight: 100
Units: UG/KG
Grams Extracted: 25.0 g
Extract Vol: 1.0 ml

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Extraction Date: 8/10/00

QC BATCH #5668

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	.....TRPH	5000	U

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TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Water
% Dry Weight:
Units: UG/L
Vol Extracted: 1000 ml
Extract Vol: 1.0 ml

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Extraction Date: 8/10/00

QC BATCH #5654

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	TRPH	100.	U

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TestAmerica
INCORPORATED

Sample Identification

002-EQ1-W-0808-00

Matrix: Water
pH:
Units: ug/l

Lab Sample ID: 00-A112062
Date Sampled:: 8/ 8/00
Date Received: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG

Dilution Factor: 1.
Analysis Method: FPRO
Delivery Group: 203354
Instrument: PE-3
Vol Extracted: 985. ml
Extract Vol: 2.0 ml

Analysis Date: 8/11/00
Analysis Time: 23:45
Sample QC Group: 5654

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	TRPH	200	.... U

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TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Soil
% Dry Weight: 100
Units: UG/KG
Dilution Factor: 1
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Grams Extracted: 30.0 g
Extract Vol: 1.0 ml

Lab Sample ID: BLANK
Date Sampled:
Date Received: 8/10/00
Analysis Date: 8/14/00
Analysis Time: 15:00
Sample QC Group: 5537

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
.....	Naphthalene	33	U
.....	Acenaphthene	33	U
.....	Anthracene	22	U
.....	Fluoranthene	7	U
.....	Fluorene	17	U
.....	Pyrene	9	U
.....	Benzo(a)anthracene	4	U
.....	Benzo(a)pyrene	3	U
.....	Benzo(b)fluoranthene	6	U
.....	Benzo(k)fluoranthene	6	U
.....	Chrysene	5	U
.....	Dibenzo(a,h)anthracene	10	U
.....	Indeno(1,2,3-cd)pyrene	14	U
.....	Acenaphthylene	67	U
.....	Benzo(g,h,i)perylene	25	U
.....	Phenanthrene	21	U
.....	1-Methylnapthalene	50	U
.....	2-Methylnaphthalene	50	U

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TestAmerica
INCORPORATED

Sample Identification

BLANK

Matrix: Water
% Dry Weight:
Units: UG/L
Dilution Factor: 1
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Vol Extracted: 1000 ml
Extract Vol: 1.0 ml

Lab Sample ID: BLANK
Date Sampled: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 11:50
Sample QC Group: 5536

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
91-20-3	Naphthalene	1.00	U
83-32-9	Acenaphthene	1.00	U
120-12-7	Anthracene	0.66	U
206-44-0	Fluoranthene	0.21	U
7782-41-4	Fluorene	0.50	U
129-00-0	Pyrene	0.27	U
56-55-3	Benzo(a)anthracene	0.13	U
50-32-8	Benzo(a)pyrene	0.10	U
205-99-2	Benzo(b)fluoranthene	0.18	U
207-08-9	Benzo(k)fluoranthene	0.17	U
218-01-9	Chrysene	0.15	U
53-70-3	Dibenzo(a,h)anthracene	0.30	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	U
208-96-8	Acenaphthylene	2.00	U
191-24-2	Benzo(g,h,i)perylene	0.76	U
85-01-8	Phenanthrene	0.64	U
90-12-0	1-Methylnapthalene	1.00	U
91-57-6	2-Methylnaphthalene	1.00	U

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TestAmerica
INCORPORATED

Sample Identification

002-EQ2-W-0808-00

Matrix: Water
pH:
Units: ug/l
Dilution Factor: 1.
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Vol Extracted: 500. ml
Extract Vol: 1.00 ml

Lab Sample ID: 00-A112063
Date Sampled:: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 11:50
Sample QC Group: 5536

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
91-20-3	Naphthalene	2	U
83-32-9	Acenaphthene	2	U
120-12-7	Anthracene	1.32	U
206-44-0	Fluoranthene	0.42	U
7782-41-4	Fluorene	1	U
129-00-0	Pyrene	0.54	U
56-55-3	Benzo(a)anthracene	0.26	U
50-32-8	Benzo(a)pyrene	0.2	U
205-99-2	Benzo(b)fluoranthene	0.36	U
207-08-9	Benzo(k)fluoranthene	0.34	U
218-01-9	Chrysene	0.3	U
53-70-3	Dibenzo(a,h)anthracene	0.6	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	U
208-96-8	Acenaphthylene	4	U
191-24-2	Benzo(g,h,i)perylene	1.52	U
85-01-8	Phenanthrene	1.28	U
90-12-0	1-Methylnapthalene	2	U
91-57-6	2-Methylnaphthalene	2	U

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

TestAmerica
INCORPORATED

Sample Identification

002-EQ1-W-0808-00

Matrix: Water
pH:
Units: ug/l
Dilution Factor: 1.
Analysis Method: SW8310
Delivery Group: 203354
Instrument:
Vol Extracted: 960. ml
Extract Vol: 1.00 ml

Lab Sample ID: 00-A112062
Date Sampled:: 8/ 8/00
Date Received: 8/10/00
Analysis Date: 8/13/00
Analysis Time: 11:50
Sample QC Group: 5536

Extraction Date: 8/10/00

FORM I

CAS NUMBER	ANALYTE	CONCENTRATION	FLAG
91-20-3	Naphthalene	1.04	U
83-32-9	Acenaphthene	1.04	U
120-12-7	Anthracene	0.69	U
206-44-0	Fluoranthene	0.22	U
7782-41-4	Fluorene	0.52	U
129-00-0	Pyrene	0.28	U
56-55-3	Benzo(a)anthracene	0.14	U
50-32-8	Benzo(a)pyrene	0.1	U
205-99-2	Benzo(b)fluoranthene	0.19	U
207-08-9	Benzo(k)fluoranthene	0.18	U
218-01-9	Chrysene	0.16	U
53-70-3	Dibenzo(a,h)anthracene	0.31	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	U
208-96-8	Acenaphthylene	2.08	U
191-24-2	Benzo(g,h,i)perylene	0.79	U
85-01-8	Phenanthrene	0.67	U
90-12-0	1-Methylnapthalene	1.04	U
91-57-6	2-Methylnaphthalene	1.04	U

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

Appendix G

FDEP Forms

EXHIBIT 6-7.1

Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Storage Tank Facility Registration Form

DEP Form # 62-761.900(2)
Form Title Storage Tank Registration Form
Effective Date: July 13, 1998
DEP Application No. _____ (Filled in by DEP)

Submit a completed form for the facility when registration of storage tanks or compression vessels is required by Chapter 376.303, Florida Statutes

Please review *Registration Instructions* before completing the form.

Please check all that apply	[ ] New Registration	[ ] New Owner	[ ] New Tanks
	[ ] Facility Info Update/Correction	[ ] Owner Info Update/Correction	[X] Tank Info Update/Correction

A. FACILITY INFORMATION

County:	DUVAL	DEP Facility ID:	168507293

Facility Name: NAS CECIL FIELD
Facility Address: 13200 NORMANDY BLVD. BLDG #872 City: JACKSONVILLE, FL Zip: 32215
Facility Contact: DAVE KRUZICKI Business Phone: (904) 778-5440
Facility Type(s): ELECTRICAL GENERATOR NAICS Code: _____ Financial Responsibillity: U S GOVT.

24 Hour Emergency Contact: _____ Emergency Phone: (____) _____

B. RESPONSIBLE PERSON INFORMATION - Identify Individual(s) or Business(es) responsible for storage tank management, fueling operations, and/or cleanup activities at the facility location named above. **Provide additional information in an attachment if necessary.**

Name: US GOVT./US NAVY	Facility - Responsible Person Relation Type:	Effective Date
Mail address: CARETAKER SITE OFFICE SO DIV NAVFACENGCOM	[√] Facility Account Owner (pays fees)	
City, ST, Zip: P. O. BOX 150853,JACKSONVILLE, FL 32221-0853	Facility Account Owner information must be provided when the facility contains active (in-use) storage tanks on site.	
Contact:		
Telephone:	STCM Account Number (if known)	
Identify other appropriate facility relationships for this party: [X] Facility Owner/Operator [X] Property Owner [X] Storage Tank Owner		

Name:	Other owner, relationship type(s)	Effective Date
Mail address:	[ ] Facility Owner/Operator	
City, ST, Zip:	[ ] Property Owner	
Contact:	[ ] Storage Tank Owner	
Telephone:	[ ] Other:	

C. TANK/VESSEL INFORMATION - Complete one row for each storage tank or compression vessel system located at this facility.

Tank ID	T/V	A/U	Capacity	Installed	Content	Status	Effective Date	Construction	Piping	Monitoring
6872 LS	T	U	1,000	UNK	G	B	11/00	C,	B	N

Certified Contractor (peforming tank installation or removal): ENVIRONMENTAL RECOVERY, INC. DBPR License No.: PC-C050751

Registration Certification: **To the best of my knowledge and belief, all information submitted on this form is true, accurate, and complete.**

J. D. DANIEL, VICE PRES, ERI — **Printed Name & Title**
_____ **Signature**
12/31/00 **Date**

DEP 62-761.900(2)

EXHIBIT 6-7.2

Florida Department of Environmental Protection
Twin Towers Office Bldg.•2600 Blair Stone Road•Tallahassee, Florida 32399-2400

DEP Form # 62-761.900(5)	
Form Title: UST Contractor Form	
Effective Date: July 13, 1998	

Underground Storage System Installation and Removal Form for Certified Contractors

Pollutant Storage Systems Contractor as defined in Section 489.113, Florida Statutes (certified contractors as defined in Section 62-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the underground storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards. This includes system components such as dispenser liners, piping sumps, and overfill protection devices.

General Facility Information

Facility Name: NAS CECIL FIELD	DEP Facility Identification No.: 168507293
Street Address (physical location): 13200 NORMANDY BLVD BLDG # 872, JACKSONVILLE, FL 32215	
County: DUVAL	Telephone #: ( )
Owner Name: US GOVT / US NAVY	Telephone #: (904) 778-5440
Owner Address: CARETAKER SITE OFFICE SO DIV NAVFACENGCOM, PO BOX 150853, JACKSONVILLE, FL 32221	

Storage Tank System Information

Number of Tanks Installed:	Number of Tanks Removed: ONE (1) UST # G872LS
Date Work Initiated: SEPTEMBER 2000	Date Work Completed: NOVEMBER 2000
Tank(s) Manufactured by:	
Description of work Completed: REMOVE TANK, TRIPLE RINSE, DISPOSE VIA LOCAL SCRAP RECYCLER IN ACCORDANCE WITH F.A.C 62-761	

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the storage tank system installation, replacement or removal at this facility was conducted in accordance with Chapter 489, Florida Statutes, Section 376.303, Florida Statutes, and Chapter 62-761, Florida Administrative Code, and its adopted reference standards and documents for underground storage tank systems.

ENVIRONMENTAL RECOVERY, INC. (Type or Print) Certified Pollutant Tank Contractor Name	PC C050751 PSSC Number Pollutant Storage Systems Contractor License Number
Certified Tank Contractor Signature	DEC 31, 2000 Date
JAY NEVIN Field Supervisor Name	DEC 31, 2000 Date

The owner or operator of the facility must register the tanks with the Department upon completion of the installation. The installer must submit this form to the County no more than 30 days after the completion of installation, replacement, or removal of a storage tank system.

Appendix H

Well Abandonment Log

USI Jacksonville, FL P-311 Q

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # _____ CUP # _____ DID # _____
Number of wells drilled 4 /WUP # _____
Indicate remaining wells to be cancelled _____
(All wells drilled need an individual completion report)
WATER WELL CONTRACTOR'S SIGNATURE [signature] License # 11158
(I certify that the information provided on this report is accurate and true)

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:	02	0	15
Bentonite:			

WELL LOCATION: Site Address Cecil Field County DUVAL
Qtr: ____ Qtr: ____ Sec: ____ Twp: 3S Rge: 25E
Latitude ____ Longitude ____

DATE STAMP

Official Use Only

Sketch of well location on property N

Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS

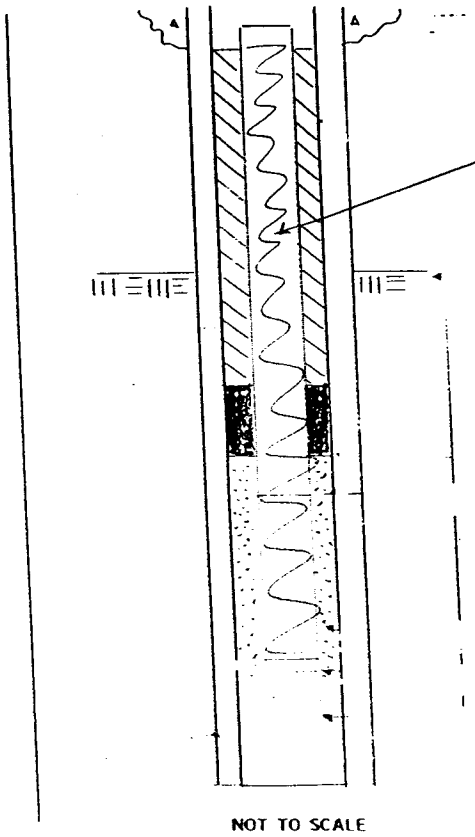
Iron: ____ ppm Sulfate: ____ ppm
Chlorides: ____ ppm
[ ] Lab Test [ ] Field Test Kit
Pump Type
[ ] Centrifugal [ ] Jet [ ] Submersible
[ ] Turbine
Horsepower ____ Capacity ____ G.P.M. ____
Pump Depth ____ Ft. Intake Depth ____ Ft.

OWNER'S NAME Cecil Field, NAVY
COMPLETION DATE 7-31-00 Florida Unique I.D. ____
WELL USE: DEP/Public ____ Irrigation ____ Domestic ____ Monitor X
HRS Limited ____ 62-524 ____ Other ____
DRILL METHOD ☐ Rotary ☐ Cable Tool ☐ Combination
☐ Jet ☐ Auger Other Tremie

Measured Static Water Level ____ Measured Pumping Water Level ____
After ____ Hours at ____ G.P.M. Measuring Pt. (Describe): ____
Which is ____ Ft. ☐ Above ☐ Below Land Surface
Casing: ☐ Black Steel ☐ Galv. ☒ PVC Other ____

☐ Open Hole ☒ Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Give color, grain size, and type of material. Note cavities, depth to producing zones.
Casing Diameter & Depth (Ft.)	From	To	
Diameter 2"	0	15	Abandoned V19 Tremie
From 0			
To 5			
Diameter ____			
From ____			
To ____			
Liner ☐ or Casing ☐			
Diameter ____			
From ____			
To ____			

Driller's Name: (print or type) RANDY CONRAD



WELL GROUTED FROM BOTTOM TO TOP OF CASING
WELL # CEF-872-15

NOT TO SCALE