



**TETRA TECH NUS, INC.**

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Document Number 04JAX0145

July 26, 2004

Project Number N4258

Commander, Southern Division  
Naval Facilities Engineering Command  
ATTN: Ms. Beverly Washington (Code ES24)  
Remedial Project Manager  
2155 Eagle Drive  
North Charleston, South Carolina 29406

Reference: CLEAN Contract Number N62467-94-D-0888  
Contract Task Order Number 0252

Subject: Source Removal Construction Oversight Report, PCA 16-Hawkins/103<sup>rd</sup> Street Property  
Naval Air Station (NAS) Jacksonville  
Jacksonville, Florida

Dear Ms. Washington:

Tetra Tech NUS, Inc. (TtNUS) is pleased to present the Source Removal Construction Oversight Report for the Hawkins property located along 103<sup>rd</sup> Street, an off-base facility maintained by the Naval Air Station (NAS) Jacksonville, in Jacksonville, Florida. This report has been prepared to document the delineation, excavation, disposal of petroleum-impacted soils, soil analytical results, and recommend a future course of action at the site. This work was performed under Contract Task Order (CTO) 0252 in general accordance with the Comprehensive Long-term Environmental Action Navy (CLEAN) III Contract Number N62467-94-D-0888.

**SITE DESCRIPTION**

The Hawkins 103<sup>rd</sup> Street Property, also referred to as Petroleum Contaminated Area (PCA) 16, is bounded to the north by 103<sup>rd</sup> Street near I-295 in Jacksonville, Florida. It is bounded to the west by an active Texaco gasoline station beyond which is an active Shell gasoline station. The property is bounded to the east by vacant (razed) property owned by Kerr-McGee, which was previously used as a retail petroleum facility. The site shares its southern border with undeveloped land. Although currently there are no structures on the site, footprints of former structures are located in the woods and near the asphalt area on the site. The site is a grassy and wooded area that contains monitoring wells and limited concrete paving. A site plan is included as Figure 1 in Attachment A.

**BACKGROUND INFORMATION**

The Hawkins 103<sup>rd</sup> Street Property was formerly a single family residence. A pipeline buried beneath 103<sup>rd</sup> Street, north of the Hawkins Property, was previously used by the United States Navy (Navy) to transport fuel from the Gas Hill Fuel Farm on NAS Jacksonville to a fuel storage facility located on NAS Cecil Field. This pipeline released petroleum (JP-5) to the soil and groundwater beneath the street and it migrated onto the Hawkins Property. The Navy purchased the Hawkins property and began the remediation process. In an effort to remediate the source area, impacted soil (soil that exhibited a corrected response of greater than 50 parts per million on an organic vapor analyzer) was removed and

replaced with clean backfill. The shaded area depicted on Figure 1 presents the approximate extent of the excavated soil. This area is north and east of the current excavation. The pipeline has also been decommissioned and cleaned but is still located beneath 103<sup>rd</sup> Street.

Groundwater contamination was also detected and the site was entered into a monitoring program. Several years of groundwater monitoring have been conducted at the Hawkins Property.

Groundwater at the site is perched atop the hardpan layer and is affected significantly by rain events. The groundwater beneath the hardpan at about 12 feet (ft) below land surface (bls) has an upward gradient. The contaminated wells at the Hawkins Property were screened from approximately 2 to 12 ft bls.

The groundwater monitoring results for the Hawkins Property have indicated the continued presence of naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, and benzene at concentrations greater than the Florida Department of Environmental Protection (FDEP) specified groundwater cleanup target levels (GCTLs). Monitored Natural Attenuation (MNA) has not been effective at reducing the naphthalene compounds. With the groundwater concentrations not attenuating, the Navy decided to conduct a Treatability Study to evaluate oxygen release compound (ORC<sup>®</sup>) as a potential remedial solution.

On January 13, 2003, TtNUS mobilized to PCA 16 to begin the treatability study of the ORC<sup>®</sup> injection. During installation of the injection borings via DPT a hardpan was encountered beginning approximately 5 ft to 8 ft bls. The DPT could not penetrate through the hardpan which occurred in three successive borings at various locations on site. The soil interval above the hardpan was discolored and had a petroleum odor. Due to these site conditions, TtNUS made a determination in consultation with the Navy, that additional geologic information was needed prior to ORC<sup>®</sup> injection.

On January 30, 2003, a letter from TtNUS to Mr. Wayne Hansel of Southern Division, Naval Facilities Engineering Command (NAVFAC EFD SOUTH) outlined a detailed scope of work to reassess soil and groundwater. The groundwater sampling results will be discussed in an upcoming monitoring report. However, a significant finding was that the hardpan layer created a perched water zone. The soil above the hardpan may have been a continuing source of groundwater contamination since the majority of the GCTL exceedances on the southeast portion of the property were from wells screened above the hardpan. The additional assessment of soil through laboratory analysis of collected samples provided the information to delineate the horizontal extent of the impacted soil, which in turn defined the limits of the excavation. This information is presented in the section below.

## **SOIL PRE-CHARACTERIZATION**

To delineate the area of petroleum impacted soil, samples were collected using either a direct-push technology (DPT) rig or a hand auger. All samples except TW-7B were collected from above the hardpan, which occurred at approximately 5 ft bls. TW-7B was collected from the hardpan. Sampling devices were field cleaned using alconox, water, and isopropyl alcohol. The field sampling was conducted in general accordance with the TtNUS Health and Safety Plan, and the FDEP Standard Operating Procedures.

During the days of March 5, 6, 27, and 28, 2003, 10 soil samples (TW1-B through TW10-B) were collected. The soil samples were collected at varying depths between 3 ft and 7 ft bls. The samples were analyzed for petroleum constituents using United States Environmental Protection Agency (USEPA) Methods 8260B for volatile organic compounds (VOC), USEPA Method 8270 select ion monitoring (SIM) for polynuclear aromatic hydrocarbons (PAH), total recoverable petroleum hydrocarbons (TRPH) using Florida Petroleum Residual Organics (FL-PRO), and metals using USEPA Method 6010. Based on the analytical results of these soil samples the only constituent that exceeded the FDEP soil cleanup target level (SCTLs) was TRPH. Two samples with recorded exceedances of the SCTL for TRPH are TW-6B and TW-7B, 410 milligrams per kilogram (mg/kg) and 2,200 mg/kg, respectively, which exceeded the leachability SCTL (340 mg/kg). The soil sample from TW-7B was collected from the dry hardpan layer and contained petroleum odors. Since the soil sample from TW-7B was collected from the relatively

impermeable hardpan layer beneath the perched groundwater, that portion of soil was not anticipated to be a source to groundwater contamination and was not excavated.

On August 6, 2003, four additional soil samples SB-15 through SB-18 were collected to further define the area of soil that was impacted with petroleum constituents. These samples were analyzed for TRPH by FL-PRO and PAH by USEPA Method 8270 SIM. The decision to only analyze for these parameters was based on constituents identified during first laboratory analyses. These soil samples were collected from a range of depths between 5.0 ft and 6.5 ft. Soil sample SB-15 (a saturated soil sample) was the only soil sample from the second sampling event to exceed the leachability SCTL of 340 mg/kg for TRPH. The other samples were less than the respective SCTLs. The results of both soil sampling events defined the horizontal extent of the contaminated soil.

A table presenting the soil analytical results is provided as Attachment A (Table 1) and laboratory data sheets are provided in Attachment B. Also provided in Attachment A is Figure 2 which depicts the locations and analytical results of the samples that exceeded FDEP SCTLs.

### **SOURCE REMOVAL OBJECTIVES**

Groundwater contamination (naphthalene compounds) in three permanent monitoring wells at the site has been persistent at low levels, which slightly exceed GCTLs. During recent investigation activities, soil above the hard pan layer was found to contain TRPH at concentrations exceeding leachability SCTLs and may be a continuing source of groundwater contamination. The source removal was planned to eliminate the soil contamination that may have been contributing to the groundwater contamination.

### **SOURCE REMOVAL ACTIVITIES**

Soil excavation activities were conducted at the Hawkins site on May 24 and 25, 2004, by TN and Associates, Inc. The purpose of the excavation was to remove residual soils that may serve as a continuing source of contamination to the groundwater. Figure 2 in Attachment A depicts the soil excavation boundary. The pre-characterization soil data was used to define the horizontal extent of the petroleum impacted soil. The static water level in the monitoring wells in the vicinity of the excavation at the time of the source removal was approximately 4 ft bls. Therefore the soil was excavated to a depth of 5 ft bls, (approximately 1 ft below the water table). The excavation was extended into the water table, to remove any potential adsorbed contamination in the smear zone. Groundwater can be seen pooling in photographs taken during the day of the excavation. Photographs taken during the excavation document the excavation and disposal of impacted soils. These photographs are provided in the Source Removal Report in Attachment C. A total of 674.59 tons of soil were removed and disposed of at a licensed facility. On May 26, 2004, the excavated area was backfilled and compacted. After backfilling, a layer of Bahia grass seed was broadcast on the soil to assist with erosion control and to return the site to its original state.

A copy of the Soil Removal Report detailing work completed such as excavation, compaction of backfill, disposal manifests, and certification of clean backfill are provided in a Source Removal Report submitted to NAVFAC EFD SOUTH by TN and Associates, Inc. dated May 2004. A copy of this report is included as Attachment C. TtNUS provided construction oversight during the excavation/backfilling activities.

### **CONCLUSION**

A source removal was conducted at the Hawkins Property (PCA 16), an NAS Jacksonville out parcel. During the dates of May 24 and 25, 2004, TN and Associates, Inc. excavated approximately 674.59 tons of petroleum-impacted soil from a pre-defined area and transported off-site for disposal at a licensed facility. The soil was excavated to a depth of 5 to 6 ft bls. This soil removal abates a source of petroleum that may be hampering the natural attenuation of the groundwater. Groundwater monitoring will be performed to determine the effectiveness of this source removal at fostering natural attenuation at the groundwater.

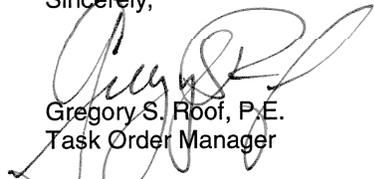
Ms. Beverly Washington  
NAVFAC EFD SOUTH  
July 26, 2004 – Page 4

**FUTURE ACTIONS**

Post-excavation samples were collected on July 7, 2004. The results of the July 2004 sampling event and other groundwater sampling will be submitted in a future groundwater monitoring report.

TtNUS appreciates the opportunity to provide you with these services. If you have any questions or require additional information, please contact me at (904) 636-6125.

Sincerely,



Gregory S. Roof, P.E.  
Task Order Manager  
GR/ds

Attachments (3)

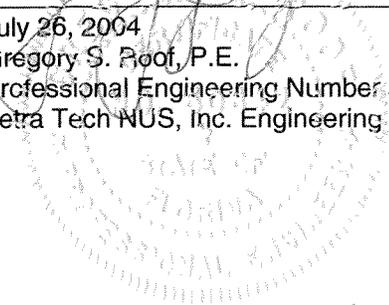
- pc: Mr. Jim Cason, FDEP (hardcopy and CD)
- Mr. Frank Sigona, NAS Jacksonville (hardcopy and CD)
- Ms. Debra M. Humbert, TtNUS (cover letter only)
- Mr. Mark Perry, TtNUS (unbound copy and CD)
- Project Office File



The professional opinions rendered in this decision document identified as Source Removal Construction Oversight Report for Petroleum Contaminated Area 16-Hawkins/103<sup>rd</sup> Street Property, Naval Air Station Jacksonville, Jacksonville, Florida were developed in accordance with commonly accepted procedures consistent with applicable standards of practice. Decision documents were prepared under the supervision of the signing engineer and are based on information obtained from others. If conditions are determined to exist differently than those described in this document, then the undersigned professional engineer should be notified to evaluate the effects of any additional information on the project described in this document.

A handwritten signature in black ink, appearing to read "Gregory S. Roof", is written over a horizontal line.

July 26, 2004  
Gregory S. Roof, P.E.  
Professional Engineering Number 50842  
Tetra Tech NUS, Inc. Engineering No. 7988



**ATTACHMENT A**  
**TABLES AND FIGURES**

Soil Analytical Results	Table 1
Site Plan	Figure 1
Soil SCTL Exceedances	Figure 2

**TABLE 1  
SUMMARY OF DETECTED COMPOUNDS IN SOIL SAMPLES**

**PCA 16-HAWKINS/103RD STREET PROPERTY  
JACKSONVILLE, FLORIDA  
PAGE 1 OF 2**

Compound	Leachability Based Criteria <sup>1</sup> (mg/kg)	TW1B	TW2B	TW3B	TW4B	TW5B	TW6B <sup>(1)(2)</sup>	TW7B <sup>(2)</sup>
	Sample Date	03/05/03	03/05/03	03/05/03	03/05/03	03/06/03	03/28/03	03/27/03
	Sample Depth (ft)	3	3	3	3	3	5	7
<b>VOCs (USEPA Method 8021B) (mg/kg)</b>								
Ethylbenzene	0.6	0.001	0.001 U	0.001 U	0.0014 U	0.001 U	0.130 U	0.078
Total Xylenes	0.2	0.0042	0.0022 U	0.0021 U	0.003	0.002 U	0.260 U	0.161
MTBE	0.2	0.001 U	0.001 U	0.001 U	0.0014 U	0.001 U	0.130 U	0.001 U
<b>PAHs (USEPA Method 8310) (mg/kg)</b>								
Naphthalene	1.7	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.930	<b>2.1</b>
2-methylnaphthalene	6.1	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	3.1	<b>10</b>
1-methylnaphthalene	2.2	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	2.1	<b>7.3</b>
Acenaphthylene	27	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.061	0.069
Acenaphthene	2.1	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.044 U	0.052
Flourene	160	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.044	0.160
Fluoranthene	1200	0.011	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.044 U	0.043 U
Benzo(a)pyrene	8	0.0038 U	0.0038 U	0.010	0.0038 U	0.0040 U	0.044 U	0.043 U
Benzo(a)anthracene	3.2	0.006	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.044 U	0.043 U
Benzo(b)fluoranthene	10	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.044 U	0.043 U
Indeno(1,2,3-cd)pyrene	28	0.009	0.0087	0.010	0.0038 U	0.0040 U	0.044 U	0.043 U
Benzo(g,h,i)perylene	32000	0.0064	0.0061	0.010	0.0038 U	0.0040 U	0.044 U	0.043 U
Phenanthrene	250	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0040 U	0.044 U	0.043 U
Pyrene	880	0.0075	0.0038 U	0.0069	0.0038 U	0.0040 U	0.044 U	0.043 U
<b>FL-PRO (USEPA Method 8270) (mg/kg)</b>								
TRPH	340	150	26	7.7 U	7.7 U	12	<b>410</b>	<b>2200</b>

See notes at end of table.

**TABLE 1 (CONTINUED)**  
**SUMMARY OF DETECTED COMPOUNDS IN SOIL SAMPLES**

**PCA 16-HAWKINS/103RD STREET PROPERTY**  
**JACKSONVILLE, FLORIDA**  
**PAGE 1 OF 2**

Compound	Leachability Based Criteria <sup>1</sup> (mg/kg)	TW8B <sup>(3)</sup>	TW9B	TW10B <sup>(4)</sup>	SB15 <sup>(5)</sup>	SB16	SB17	SB18
	Sample Date	03/28/03	03/27/03	03/28/03	08/06/03	08/06/03	08/06/03	08/06/03
	Sample Depth (ft)	7	3.5	7	6.5	6.5	5.5	5.0
<b>VOCs (USEPA Method 8021B) (mg/kg)</b>								
Ethylbenzene	0.6	0.140 U	0.001 U	0.009 U	NA	NA	NA	NA
Total Xylenes	0.2	0.290 U	0.0021 U	0.0046 U	NA	NA	NA	NA
MTBE	0.2	0.140 U	0.001 U	0.0024 U	NA	NA	NA	NA
<b>PAHs (USEPA Method 8310) (mg/kg)</b>								
Naphthalene	1.7	0.093	0.0038 U	0.0073	1.0	0.0043 U	0.0041 U	0.0042 U
2-methylnaphthalene	6.1	0.160	0.0038 U	0.017	3.5	0.0043 U	0.0041 U	0.027
1-methylnaphthalene	2.2	0.130	0.0038 U	0.017	<b>2.8</b>	0.0043 U	0.0041 U	0.023
Acenaphthylene	27	0.005	0.0038 U	0.0052 U	0.016	0.0043 U	0.0041 U	0.0042 U
Acenaphthene	2.1	0.0044 U	0.0038 U	0.0052 U	0.045	0.0043 U	0.0041 U	0.0042 U
Flourene	160	0.005	0.0038 U	0.0052 U	0.043	0.0043 U	0.0041 U	0.0042 U
Fluoranthene	1200	0.0044 U	0.0038 U	0.008	0.006	0.0043 U	0.0041 U	0.0042 U
Benzo(a)pyrene	8	0.0044 U	0.0038 U	0.0052 U	0.0043 U	0.0043 U	0.0041 U	0.0042 U
Benzo(a)anthracene	3.2	0.0044 U	0.0038 U	0.0052 U	0.0043 U	0.0043 U	0.0041 U	0.0042 U
Benzo(b)flouranthene	10	0.0044 U	0.0038 U	0.057	0.0043 U	0.0043 U	0.0041 U	0.0042 U
Indeno(1,2,3-co)pyrene	28	0.0044 U	0.0038 U	0.0052 U	0.0043 U	0.0043 U	0.0041 U	0.0042 U
Benzo(g,h,i)perylene	32000	0.0044 U	0.0038 U	0.0052 U	0.0043 U	0.0043 U	0.0041 U	0.0042 U
Phenanthrene	250	0.0044 U	0.0038 U	0.0052 U	0.012	0.0043 U	0.0041 U	0.0042 U
Pyrene	880	0.0044 U	0.0042	0.016	0.0056	0.0043 U	0.0041 U	0.0042 U
<b>FL-PRO (USEPA Method 8270) (mg/kg)</b>								
TRPH	340	8.8 U	7.7 U	40	<b>1000</b>	12	12	8.5 U

Notes:

**Bold** values depict laboratory results in excess of criteria.

U = Compound was analyzed for but not detected in excess of the level shown.

NA = Not analyzed.

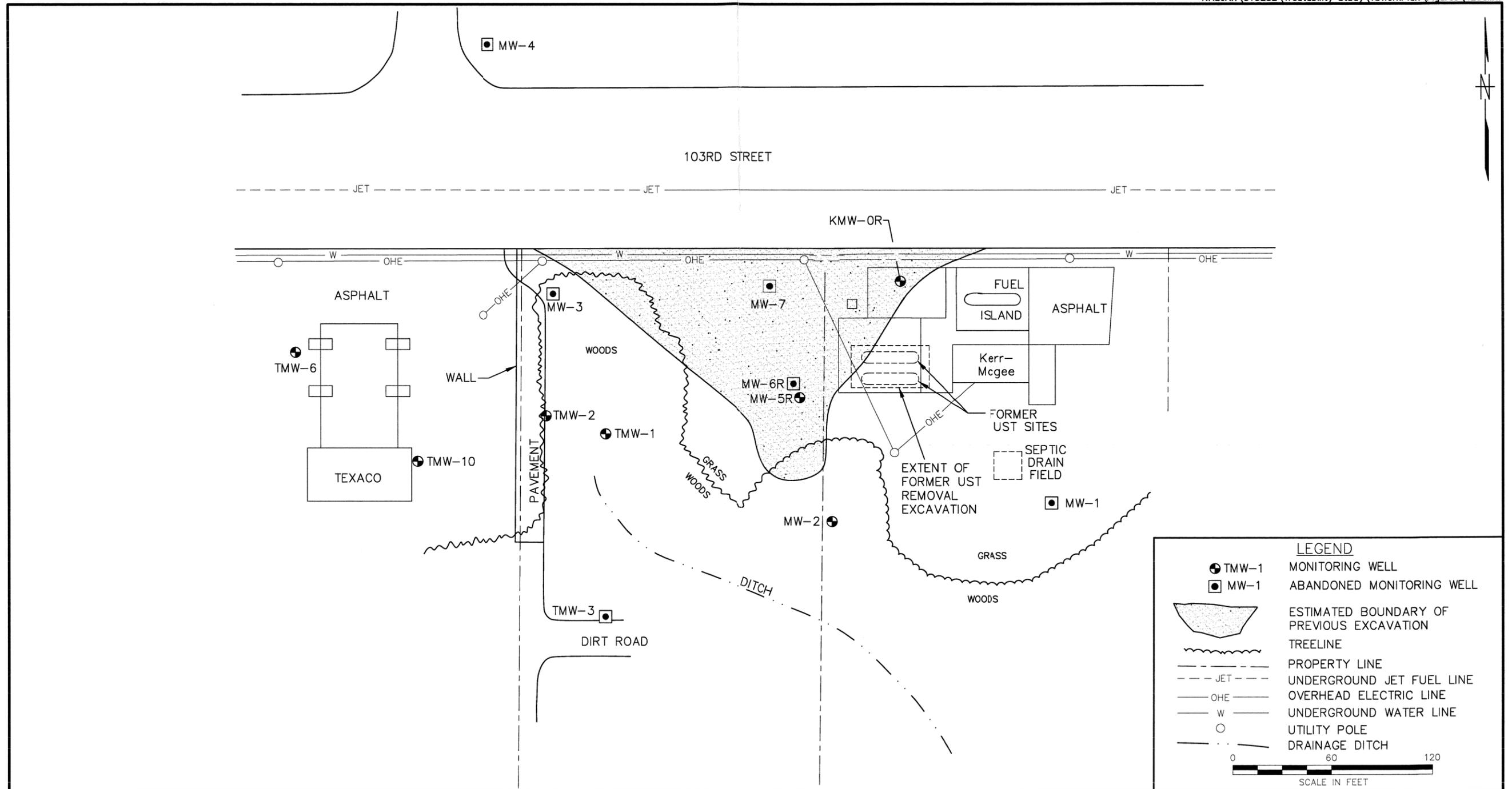
(1) VOC values determined from a 1:96 dilution.

(2) PAH values determined from a 1:10 dilution.

(3) VOC values determined from a 1:108 dilution.

(4) VOC value determined from a 1:1.47 dilution.

(5) TRPH value determined from a 1:5 dilution.



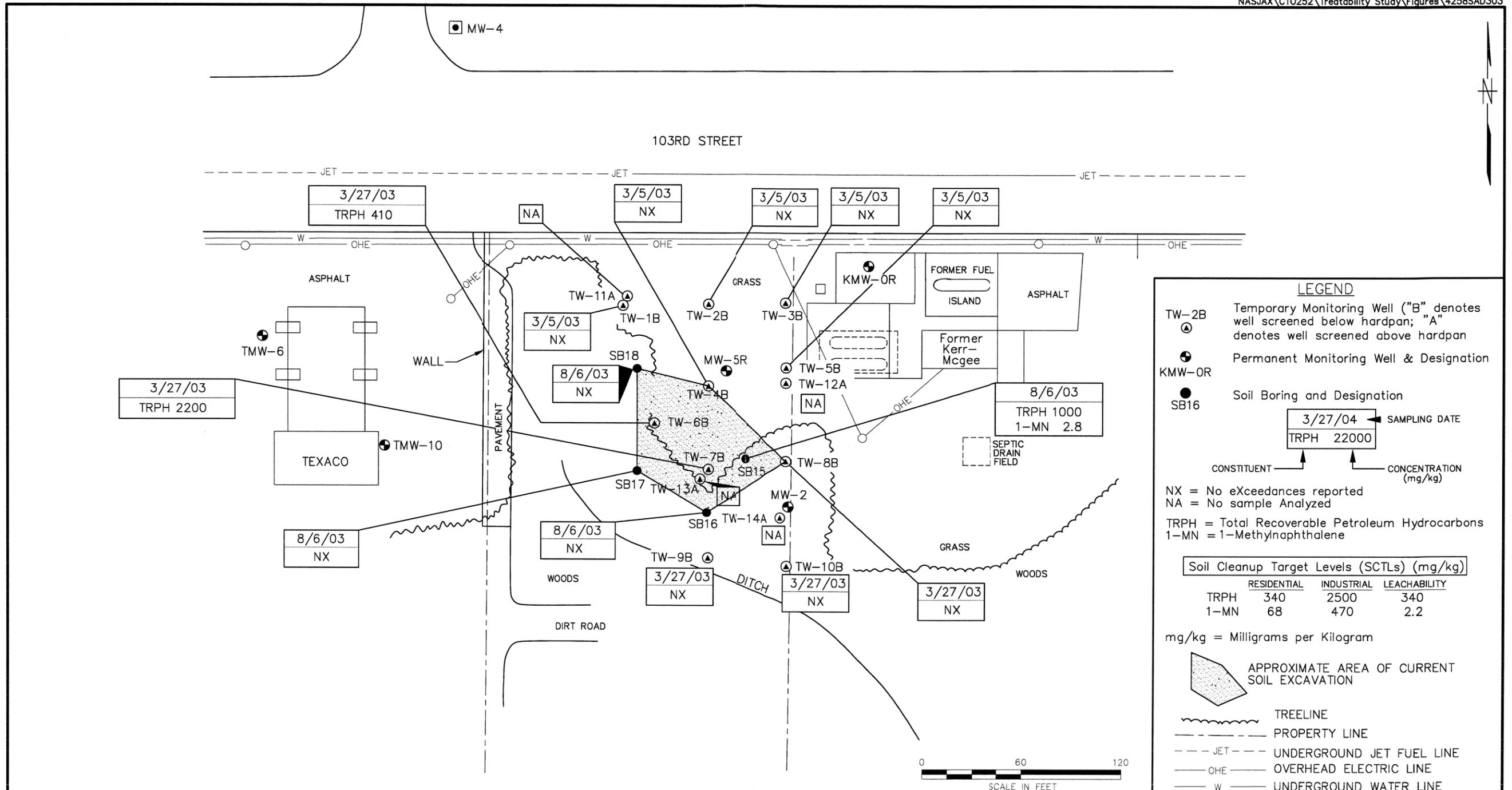
NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY: LLK  
 DATE: 10/01/02  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 COST/SCHED-AREA: \_\_\_\_\_  
 SCALE: AS NOTED



SITE PLAN  
 HAWKINS 103rd STREET  
 NAS JACKSONVILLE  
 JACKSONVILLE, FLORIDA

CONTRACT NO. 4258	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO. FIGURE 1	REV. 0



NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES	DRAWN BY	DATE		SOIL ANALYTICAL RESULTS EXCEEDING SCTLs HAWKINS 103rd STREET NAS JACKSONVILLE JACKSONVILLE, FLORIDA	CONTRACT NO. 4258	
							LLK	4/18/03			APPROVED BY	DATE
											APPROVED BY	DATE
											DRAWING NO.	REV.
											FIGURE 2	0

**ATTACHMENT B**

**SOIL ANALYTICAL RESULTS FOR EXCAVATION DELINEATION**

(SOIL) - TW's

CLIENT : Tetra Tech NUS  
ADDRESS: 8640 Philips Highway  
Suite 16  
Jacksonville, FL 32256

REPORT # : JAX30707  
DATE SUBMITTED: March 28, 2003  
DATE REPORTED : April 7, 2003

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ATTENTION: Mr. Greg Roof

**SAMPLE IDENTIFICATION**

Samples submitted and  
identified by client as:

**REFERENCE: N4258**

Hawkins Reassessment

#1	-	HWK-TW9B-3.5'	@	13:00	(03/27/03)
#2	-	HWK-TW7B-7'	@	15:00	(03/27/03)
#3	-	HWK-TW8B-7'	@	10:20	(03/28/03)
#4	-	HWK-TW6B-5'	@	11:30	(03/28/03)
#5	-	HWK-TW10B-7'	@	14:30	(03/28/03)

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 1999). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

Note: Analytical values are reported on a dry weight basis.

PROJECT MANAGER

\_\_\_\_\_  
Scott D. Martin

ENCO LABORATORIES  
 REPORT # : JAX30707  
 DATE REPORTED: April 7, 2003  
 REFERENCE : N4258  
 PROJECT NAME : Hawkins Reassessment

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RESULTS OF ANALYSIS

EPA METHOD 8260 -  
VOLATILE ORGANICS

	<u>HWK-TW9B-3.5'</u>	<u>HWK-TW7B-7'</u>	<u>Units</u>
Methyl tert-butyl ether	1.0 U	1.0 U	ug/Kg
Benzene	1.0 U	1.1 U	ug/Kg
Toluene	1.0 U	1.0 U	ug/Kg
Chlorobenzene	1.0 U	1.0 U	ug/Kg
Ethylbenzene	1.0 U	1.0 U	ug/Kg
m-Xylene & p-Xylene	2.1 U	78	ug/Kg
o-Xylene	1.0 U	130	ug/Kg
1,3-Dichlorobenzene	1.0 U	31	ug/Kg
1,4-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
		1.0 U	ug/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
Dibromofluoromethane	67	71	70-134
D8-Toluene	89	108	60-144
Bromofluorobenzene	100	*	71-127
Date Prepared	03/29/03 14:00	03/29/03 14:00	
Date Analyzed	04/02/03 18:05	04/02/03 18:40	

\* = Surrogate recovery unavailable due to matrix interference.  
 U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX30707  
 DATE REPORTED: April 7, 2003  
 REFERENCE : N4258  
 PROJECT NAME : Hawkins Reassessment

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RESULTS OF ANALYSIS

EPA METHOD 8270 -  
PAH Compounds by SIM

	<u>HWK-TW9B-3.5'</u>	<u>HWK-TW7B-7'</u>	<u>Units</u>
Naphthalene	3.8 U	2100 D1	ug/Kg
2-Methylnaphthalene	3.8 U	10000 D1	ug/Kg
1-Methylnaphthalene	3.8 U	7300 D1	ug/Kg
Acenaphthylene	3.8 U	69 D1	ug/Kg
Acenaphthene	3.8 U	52 D1	ug/Kg
Fluorene	3.8 U	160 D1	ug/Kg
Phenanthrene	3.8 U	43 U D1	ug/Kg
Anthracene	3.8 U	43 U D1	ug/Kg
Fluoranthene	3.8 U	43 U D1	ug/Kg
Pyrene	4.2	43 U D1	ug/Kg
Chrysene	3.8 U	43 U D1	ug/Kg
Benzo(a)anthracene	3.8 U	43 U D1	ug/Kg
Benzo(b)fluoranthene	3.8 U	43 U D1	ug/Kg
Benzo(k)fluoranthene	3.8 U	43 U D1	ug/Kg
Benzo(a)pyrene	3.8 U	43 U D1	ug/Kg
Indeno(1,2,3-cd)pyrene	3.8 U	43 U D1	ug/Kg
Dibenzo(a,h)anthracene	3.8 U	43 U D1	ug/Kg
Benzo(g,h,i)perylene	3.8 U	43 U D1	ug/Kg

<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
p-Terphenyl	75	88	19-162
Date Prepared	03/31/03	03/31/03	
Date Analyzed	04/03/03 19:12	04/04/03 23:55	

<u>MISCELLANEOUS</u>	<u>METHOD</u>	<u>HWK-TW9B-3.5'</u>	<u>HWK-TW7B-7'</u>	<u>Units</u>
Percent Solids	SM2540G	86	77	%
Date Prepared		03/31/03 13:30	03/31/03 13:30	
Date Analyzed		04/01/03 11:00	04/01/03 11:00	

U = Compound was analyzed for but not detected to the level shown.  
 D1 = Analyte value determined from a 1:10 dilution.

ENCO LABORATORIES  
 REPORT # : JAX30707  
 DATE REPORTED: April 7, 2003  
 REFERENCE : N4258  
 PROJECT NAME : Hawkins Reassessment

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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>HWK-TW9B-3.5'</u>	<u>HWK-TW7B-7'</u>	<u>Units</u>
Arsenic Date Analyzed	6010	0.60 U 04/03/03 16:34	1.6 04/03/03 17:29	mg/Kg
Barium Date Analyzed	6010	23 U 04/01/03 18:19	26 U 04/01/03 19:13	mg/Kg
Cadmium Date Analyzed	6010	1.0 U 04/01/03 18:19	1.0 U 04/01/03 19:13	mg/Kg
Chromium Date Analyzed	6010	3.7 04/01/03 18:19	7.9 04/01/03 19:13	mg/Kg
Lead Date Analyzed	6010	2.4 04/01/03 18:19	8.2 04/01/03 19:13	mg/Kg
Selenium Date Analyzed	6010	2.0 U 04/03/03 16:34	2.7 04/01/03 19:13	mg/Kg
Silver Date Analyzed	6010	2.0 U 04/01/03 18:19	2.0 U 04/01/03 19:13	mg/Kg
Mercury Date Analyzed	7471	0.010 U 04/01/03 13:39	0.010 U 04/01/03 13:45	mg/Kg
<u>EPA METHOD FLPRO - PETROL. RESIDUAL ORG.</u>		<u>HWK-TW9B-3.5'</u>	<u>HWK-TW7B-7'</u>	<u>Units</u>
Hydrocarbons (C8-C40)		7.7 U	2200 D1	mg/Kg
<u>Surrogate:</u>		<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl		98	53	51-148
Nonatriacontane		96	108	36-152
Date Prepared		03/31/03	03/31/03	
Date Analyzed		04/02/03 19:40	04/03/03 11:22	

U = Compound was analyzed for but not detected to the level shown.  
 D1 = Analyte value determined from a 1:10 dilution.

ENCO LABORATORIES

REPORT # : JAX30707

DATE REPORTED: April 7, 2003

REFERENCE : N4258

PROJECT NAME : Hawkins Reassessment

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RESULTS OF ANALYSIS

**EPA METHOD 8260 -  
VOLATILE ORGANICS**

	<u>HWK-TW8B-7'</u>	<u>HWK-TW6B-5'</u>	<u>Units</u>
Methyl tert-butyl ether	140 U D2	130 U D3	ug/Kg
Benzene	140 U D2	130 U D3	ug/Kg
Toluene	140 U D2	130 U D3	ug/Kg
Chlorobenzene	140 U D2	130 U D3	ug/Kg
Ethylbenzene	140 U D2	130 U D3	ug/Kg
m-Xylene & p-Xylene	290 U D2	130 U D3	ug/Kg
o-Xylene	140 U D2	260 U D3	ug/Kg
1,3-Dichlorobenzene	140 U D2	130 U D3	ug/Kg
1,4-Dichlorobenzene	140 U D2	130 U D3	ug/Kg
1,2-Dichlorobenzene	140 U D2	130 U D3	ug/Kg
<b><u>Surrogate:</u></b>	<b><u>% RECOV</u></b>	<b><u>% RECOV</u></b>	<b><u>LIMITS</u></b>
Dibromofluoromethane	92	96	70-134
D8-Toluene	103	103	60-144
Bromofluorobenzene	102	111	71-127
Date Analyzed	03/31/03 14:43	03/31/03 15:18	

U = Compound was analyzed for but not detected to the level shown.  
D2 = Analyte value determined from a 1:108 dilution.  
D3 = Analyte value determined from a 1:96 dilution.

ENCO LABORATORIES

REPORT # : JAX30707

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RESULTS OF ANALYSIS

EPA METHOD 8270 -  
PAH Compounds by SIM

	<u>HWK-TW8B-7'</u>	<u>HWK-TW6B-5'</u>	<u>Units</u>
Naphthalene	.93	930 D1	ug/Kg
2-Methylnaphthalene	160	3100 D1	ug/Kg
1-Methylnaphthalene	130	2100 D1	ug/Kg
Acenaphthylene	5.0	61 D1	ug/Kg
Acenaphthene	4.4 U	44 U D1	ug/Kg
Fluorene	5.0	44 D1	ug/Kg
Phenanthrene	4.4 U	44 U D1	ug/Kg
Anthracene	4.4 U	44 U D1	ug/Kg
Fluoranthene	4.4 U	44 U D1	ug/Kg
Pyrene	4.4 U	44 U D1	ug/Kg
Chrysene	4.4 U	44 U D1	ug/Kg
Benzo(a)anthracene	4.4 U	44 U D1	ug/Kg
Benzo(b)fluoranthene	4.4 U	44 U D1	ug/Kg
Benzo(k)fluoranthene	4.4 U	44 U D1	ug/Kg
Benzo(a)pyrene	4.4 U	44 U D1	ug/Kg
Indeno(1,2,3-cd)pyrene	4.4 U	44 U D1	ug/Kg
Dibenzo(a,h)anthracene	4.4 U	44 U D1	ug/Kg
Benzo(g,h,i)perylene	4.4 U	44 U D1	ug/Kg

Surrogate:

	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
p-Terphenyl	73	84	19-162
Date Prepared	03/31/03	03/31/03	
Date Analyzed	04/03/03 19:56	04/05/03 00:16	

MISCELLANEOUS

	<u>METHOD</u>	<u>HWK-TW8B-7'</u>	<u>HWK-TW6B-5'</u>	<u>Units</u>
Percent Solids	SM2540G	75	75	%
Date Prepared		03/31/03 13:30	03/31/03 13:30	
Date Analyzed		04/01/03 11:00	04/01/03 11:00	

U = Compound was analyzed for but not detected to the level shown.  
D1 = Analyte value determined from a 1:10 dilution.

ENCO LABORATORIES

REPORT # : JAX30707  
 DATE REPORTED: April 7, 2003  
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 PROJECT NAME : Hawkins Reassessment

RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>HWK-TW8B-7'</u>	<u>HWK-TW6B-5'</u>	<u>Units</u>
Arsenic Date Analyzed	6010	1.0 04/03/03 17:35	1.2 04/03/03 17:41	mg/Kg
Barium Date Analyzed	6010	27 U 04/01/03 19:19	27 U 04/01/03 19:25	mg/Kg
Cadmium Date Analyzed	6010	1.0 U 04/01/03 19:19	1.0 U 04/01/03 19:25	mg/Kg
Chromium Date Analyzed	6010	6.4 04/01/03 19:19	13 04/01/03 19:25	mg/Kg
Lead Date Analyzed	6010	3.6 04/01/03 19:19	4.1 04/01/03 19:25	mg/Kg
Selenium Date Analyzed	6010	3.0 U 04/01/03 19:19	3.0 U 04/01/03 19:25	mg/Kg
Silver Date Analyzed	6010	3.0 U 04/01/03 19:19	3.0 U 04/01/03 19:25	mg/Kg
Mercury Date Analyzed	7471	0.010 U 04/01/03 13:49	0.031 04/01/03 13:52	mg/Kg
<u>EPA METHOD FLPRO - PETROL. RESIDUAL ORG.</u>		<u>HWK-TW8B-7'</u>	<u>HWK-TW6B-5'</u>	<u>Units</u>
Hydrocarbons (C8-C40)		8.8 U	410	mg/Kg
<u>Surrogate:</u>		<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl		98	104	51-148
Nonatriacontane		99	107	36-152
Date Prepared		03/31/03	03/31/03	
Date Analyzed		04/02/03 20:19	04/02/03 20:39	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30707  
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RESULTS OF ANALYSIS

**EPA METHOD 8260 -  
 VOLATILE ORGANICS**

	<u>HWK-TW10B-7'</u>	<u>LAB BLANK</u>	<u>Units</u>
Methyl tert-butyl ether	2.4 U D4	100 U D5	ug/Kg
Benzene	2.4 U D4	100 U D5	ug/Kg
Toluene	2.4 U D4	100 U D5	ug/Kg
Chlorobenzene	2.4 U D4	100 U D5	ug/Kg
Ethylbenzene	9.0 D4	100 U D5	ug/Kg
m-Xylene & p-Xylene	4.6 U D4	200 U D5	ug/Kg
o-Xylene	2.4 U D4	100 U D5	ug/Kg
1,3-Dichlorobenzene	2.4 U D4	100 U D5	ug/Kg
1,4-Dichlorobenzene	2.4 U D4	100 U D5	ug/Kg
1,2-Dichlorobenzene	2.4 U D4	100 U D5	ug/Kg
<b><u>Surrogate:</u></b>	<b><u>% RECOV</u></b>	<b><u>% RECOV</u></b>	<b><u>LIMITS</u></b>
Dibromofluoromethane	56	98	70-134
D8-Toluene	86	102	60-144
Bromofluorobenzene	94	103	71-127
Date Prepared	03/29/03 14:00		
Date Analyzed	04/02/03 19:15	03/31/03 12:56	

U = Compound was analyzed for but not detected to the level shown.  
 D4 = Analyte value determined from a 1:1.47 dilution.  
 D5 = Analyte value determined from a 1:100 dilution.

ENCO LABORATORIES

REPORT # : JAX30707  
 DATE REPORTED: April 7, 2003  
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 PROJECT NAME : Hawkins Reassessment

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RESULTS OF ANALYSIS

EPA METHOD 8270 -  
PAH Compounds by SIM

	<u>HWK-TW10B-7'</u>	<u>LAB BLANK</u>	<u>Units</u>
Naphthalene	7.3	3.3 U	ug/Kg
2-Methylnaphthalene	17	3.3 U	ug/Kg
1-Methylnaphthalene	17	3.3 U	ug/Kg
Acenaphthylene	5.2 U	3.3 U	ug/Kg
Acenaphthene	5.2 U	3.3 U	ug/Kg
Fluorene	5.2 U	3.3 U	ug/Kg
Phenanthrene	5.2 U	3.3 U	ug/Kg
Anthracene	5.2 U	3.3 U	ug/Kg
Fluoranthene	8.0	3.3 U	ug/Kg
Pyrene	16	3.3 U	ug/Kg
Chrysene	5.2 U	3.3 U	ug/Kg
Benzo(a)anthracene	5.2 U	3.3 U	ug/Kg
Benzo(b)fluoranthene	5.7	3.3 U	ug/Kg
Benzo(k)fluoranthene	5.2 U	3.3 U	ug/Kg
Benzo(a)pyrene	5.2 U	3.3 U	ug/Kg
Indeno(1,2,3-cd)pyrene	5.2 U	3.3 U	ug/Kg
Dibenzo(a,h)anthracene	5.2 U	3.3 U	ug/Kg
Benzo(g,h,i)perylene	5.2 U	3.3 U	ug/Kg

<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
p-Terphenyl	72	81	19-162
Date Prepared	03/31/03	03/31/03	
Date Analyzed	04/03/03 20:39	04/03/03 18:29	

<u>MISCELLANEOUS</u>	<u>METHOD</u>	<u>HWK-TW10B-7'</u>	<u>LAB BLANK</u>	<u>Units</u>
Percent Solids	SM2540G	63	NA	%
Date Prepared		03/31/03 13:30		
Date Analyzed		04/01/03 11:00		

NA = Analysis not applicable for this sample.

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30707  
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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>HWK-TW10B-7'</u>	<u>LAB BLANK</u>	<u>Units</u>
Arsenic Date Analyzed	6010	1.3 04/03/03 17:48	0.50 U 04/03/03 16:22	mg/Kg
Barium Date Analyzed	6010	32 U 04/01/03 19:31	20 U 04/01/03 18:06	mg/Kg
Cadmium Date Analyzed	6010	2.0 U 04/01/03 19:31	1.0 U 04/01/03 18:06	mg/Kg
Chromium Date Analyzed	6010	10 04/01/03 19:31	1.0 U 04/01/03 18:06	mg/Kg
Lead Date Analyzed	6010	8.9 04/01/03 19:31	1.0 U 04/01/03 18:06	mg/Kg
Selenium Date Analyzed	6010	3.0 U 04/01/03 19:31	2.0 U 04/03/03 16:22	mg/Kg
Silver Date Analyzed	6010	3.0 U 04/01/03 19:31	2.0 U 04/01/03 18:06	mg/Kg
Mercury Date Analyzed	7471	0.017 04/01/03 13:55	0.010 U 04/01/03 13:28	mg/Kg
<u>EPA METHOD FLPRO - PETROL. RESIDUAL ORG.</u>		<u>HWK-TW10B-7'</u>	<u>LAB BLANK</u>	<u>Units</u>
Hydrocarbons (C8-C40)		40	6.6 U	mg/Kg
<u>Surrogate:</u>		<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl		86	76	51-148
Nonatriacontane		78	81	36-152
Date Prepared		03/31/03	03/31/03	
Date Analyzed		04/02/03 20:58	04/02/03 18:42	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX30707

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RESULTS OF ANALYSIS

EPA METHOD 8260 -  
VOLATILE ORGANICS

	<u>LAB BLANK</u>	<u>Units</u>
Methyl tert-butyl ether	1.0 U	ug/Kg
Benzene	1.0 U	ug/Kg
Toluene	1.0 U	ug/Kg
Chlorobenzene	1.0 U	ug/Kg
Ethylbenzene	1.0 U	ug/Kg
m-Xylene & p-Xylene	2.0 U	ug/Kg
o-Xylene	1.0 U	ug/Kg
1,3-Dichlorobenzene	1.0 U	ug/Kg
1,4-Dichlorobenzene	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	ug/Kg

Surrogate:

	<u>% RECOV</u>	<u>LIMITS</u>
Dibromofluoromethane	87	70-134
D8-Toluene	92	60-144
Bromofluorobenzene	96	71-127
Date Analyzed	04/02/03 12:49	

U = Compound was analyzed for but not detected to the level shown.

**ENCO LABORATORIES**

**REPORT #** : JAX30707

**DATE REPORTED:** April 7, 2003

**REFERENCE** : N4258

**PROJECT NAME** : Hawkins Reassessment

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**LABORATORY CERTIFICATIONS**

Laboratory Certification: FDEP:910190 NELAC:E82277

All analyses reported with this project were analyzed by the facility indicated unless identified below.

ENCO LABORATORIES

REPORT # : JAX30707  
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 PROJECT NAME : Hawkins Reassessment

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QUALITY CONTROL DATA

<u>Parameter</u>	<u>% RECOVERY MS/MSD/LCS</u>	<u>ACCEPT LIMITS</u>	<u>% RPD MS/MSD</u>	<u>ACCEPT LIMITS</u>
<u>EPA Method 8260</u>				
1,1-Dichloroethene	100/105/ 83	44-169	5	19
Benzene	93/ 97/ 90	50-140	4	23
Trichloroethene	88/ 96/ 82	75-125	9	17
Toluene	93/ 96/ 91	56-139	3	22
Chlorobenzene	97/101/ 94	73-123	4	24
<u>EPA Method 8260</u>				
1,1-Dichloroethene	112/107/105	44-169	4	19
Benzene	95/ 95/ 91	50-140	<1	23
Trichloroethene	80/ 82/ 84	75-125	2	17
Toluene	84/ 84/ 82	56-139	<1	22
Chlorobenzene	83/ 84/ 84	73-123	1	24
<u>EPA Method 8270</u>				
Naphthalene	64/ 64/ 58	20-131	<1	29
Acenaphthene	80/ 80/ 72	24-132	<1	23
Benzo(a)pyrene	92/ 92/ 71	34-140	<1	28
Benzo(g,h,i)perylene	106/ 99/ 69	31-152	7	21
<u>TOTAL METALS</u>				
Arsenic, 6010	105/106/109	53-153	<1	22
Barium, 6010	97/ 98/100	70-120	1	16
Cadmium, 6010	104/104/109	59-130	<1	24
Chromium, 6010	95/ 95/100	57-135	<1	24
Lead, 6010	103/104/110	63-128	<1	26

< = Less Than  
 MS = Matrix Spike  
 MSD = Matrix Spike Duplicate  
 LCS = Laboratory Control Standard  
 RPD = Relative Percent Difference

(SOIL) SB

Environmental Conservation Laboratories, Inc.  
4810 Executive Park Court, Suite 211  
Jacksonville, Florida 32216-6069  
904 / 296-3007  
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www.encolabs.com



DHRS Certification No. E82277

CLIENT : Tetra Tech NUS  
ADDRESS: 8640 Philips Highway  
Suite 16  
Jacksonville, FL 32256

REPORT # : JAX33450  
DATE SUBMITTED: August 6, 2003  
DATE REPORTED : August 13, 2003

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ATTENTION: Mr. Greg Roof

**SAMPLE IDENTIFICATION**

Samples submitted and identified by client as:

REFERENCE: CTO-252

Hawkins

08/06/03

JAX33450-1	:	HAWKINS-SB15 @ 09:45	-	(6.5)
JAX33450-2	:	HAWKINS-SB16 @ 10:40	-	(6.5)
JAX33450-3	:	HAWKINS-SB17 @ 11:15		(5.5)
JAX33450-4	:	HAWKINS-SB18 @ 11:50		(5.0)

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 1999). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

Note: Analytical values are reported on a dry weight basis.

PROJECT MANAGER

*Christopher K. Devore*  
\_\_\_\_\_  
Christopher K. Devore

ENCO LABORATORIES

REPORT # : JAX33450  
 DATE REPORTED: August 13, 2003  
 REFERENCE : CTO-252  
 PROJECT NAME : Hawkins

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RESULTS OF ANALYSIS

EPA METHOD 8270 -  
 PAH Compounds by SIM

	HAWKINS-SB15	HAWKINS-SB16	Units
Naphthalene	1000	4.3 U	ug/Kg
2-Methylnaphthalene	3500	4.3 U	ug/Kg
1-Methylnaphthalene	2800	4.3 U	ug/Kg
Acenaphthylene	16	4.3 U	ug/Kg
Acenaphthene	45	4.3 U	ug/Kg
Fluorene	43	4.3 U	ug/Kg
Phenanthrene	12	4.3 U	ug/Kg
Anthracene	4.3 U	4.3 U	ug/Kg
Fluoranthene	6.0	4.3 U	ug/Kg
Pyrene	5.6	4.3 U	ug/Kg
Chrysene	4.3 U	4.3 U	ug/Kg
Benzo (a) anthracene	4.3 U	4.3 U	ug/Kg
Benzo (b) fluoranthene	4.3 U	4.3 U	ug/Kg
Benzo (k) fluoranthene	4.3 U	4.3 U	ug/Kg
Benzo (a) pyrene	4.3 U	4.3 U	ug/Kg
Indeno (1, 2, 3-cd) pyrene	4.3 U	4.3 U	ug/Kg
Dibenzo (a, h) anthracene	4.3 U	4.3 U	ug/Kg
Benzo (g, h, i) perylene	4.3 U	4.3 U	ug/Kg

Surrogate:	% RECOV	% RECOV	LIMITS
p-Terphenyl	79	75	19-162
Date Prepared	08/08/03	08/08/03	
Date Analyzed	08/13/03 15:11	08/13/03 15:35	

DRY WT. CORRECT	METHOD	HAWKINS-SB15	HAWKINS-SB16	Units
Percent Solids	ENCO WETS	77	77	%
Date Prepared		08/13/03 01:00	08/13/03 01:00	
Date Analyzed		08/13/03 13:30	08/13/03 13:30	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX33450  
DATE REPORTED: August 13, 2003  
REFERENCE : CTO-252  
PROJECT NAME : Hawkins

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RESULTS OF ANALYSIS

EPA METHOD FLPRO -  
PETROL: RESIDUAL ORG.

	<u>HAWKINS-SB15</u>	<u>HAWKINS-SB16</u>	<u>Units</u>
Hydrocarbons (C8-C40)	1000 D1	12	mg/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl	88	90	51-148
Nonatriacontane	90	117	36-152
Date Prepared	08/07/03	08/07/03	
Date Analyzed	08/11/03 13:36	08/08/03 17:04	

D1 = Analyte value determined from a 1:5 dilution.

ENCO LABORATORIES  
 REPORT # : JAX33450  
 DATE REPORTED: August 13, 2003  
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 PROJECT NAME : Hawkins

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RESULTS OF ANALYSIS

EPA METHOD 8270 -  
 PAH Compounds by SIM

	HAWKINS-SB17	HAWKINS-SB18	Units
Naphthalene	4.1 U	4.2 U	ug/Kg
2-Methylnaphthalene	4.1 U	27	ug/Kg
1-Methylnaphthalene	4.1 U	23	ug/Kg
Acenaphthylene	4.1 U	4.2 U	ug/Kg
Acenaphthene	4.1 U	4.2 U	ug/Kg
Fluorene	4.1 U	4.2 U	ug/Kg
Phenanthrene	4.1 U	4.2 U	ug/Kg
Anthracene	4.1 U	4.2 U	ug/Kg
Fluoranthene	4.1 U	4.2 U	ug/Kg
Pyrene	4.1 U	4.2 U	ug/Kg
Chrysene	4.1 U	4.2 U	ug/Kg
Benzo(a)anthracene	4.1 U	4.2 U	ug/Kg
Benzo(b)fluoranthene	4.1 U	4.2 U	ug/Kg
Benzo(k)fluoranthene	4.1 U	4.2 U	ug/Kg
Benzo(a)pyrene	4.1 U	4.2 U	ug/Kg
Indeno(1,2,3-cd)pyrene	4.1 U	4.2 U	ug/Kg
Dibenzo(a,h)anthracene	4.1 U	4.2 U	ug/Kg
Benzo(g,h,i)perylene	4.1 U	4.2 U	ug/Kg

Surrogate:	% RECOV	% RECOV	LIMITS
p-Terphenyl	77	77	19-162
Date Prepared	08/08/03	08/08/03	
Date Analyzed	08/13/03 15:59	08/13/03 16:23	

DRY WT. CORRECT	METHOD	HAWKINS-SB17	HAWKINS-SB18	Units
Percent Solids	ENCO WETS	80	78	%
Date Prepared		08/13/03 01:00	08/13/03 01:00	
Date Analyzed		08/13/03 13:30	08/13/03 13:30	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX33450  
DATE REPORTED: August 13, 2003  
REFERENCE : CTO-252  
PROJECT NAME : Hawkins

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RESULTS OF ANALYSIS

<u>EPA METHOD FLPRO - PETROL. RESIDUAL ORG.</u>	<u>HAWKINS-SB17</u>	<u>HAWKINS-SB18</u>	<u>Units</u>
Hydrocarbons (C8-C40)	12	8.5 U	mg/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl	84	50	51-148
Nonatriacontane	112	93	36-152
Date Prepared	08/07/03	08/07/03	
Date Analyzed	08/08/03 17:26	08/08/03 17:48	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX33450  
 DATE REPORTED: August 13, 2003  
 REFERENCE : CTO-252  
 PROJECT NAME : Hawkins

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RESULTS OF ANALYSIS

EPA METHOD 8270 -  
 PAH Compounds by SIM

	LAB BLANK	Units
Naphthalene	3.3 U	ug/Kg
2-Methylnaphthalene	3.3 U	ug/Kg
1-Methylnaphthalene	3.3 U	ug/Kg
Acenaphthylene	3.3 U	ug/Kg
Acenaphthene	3.3 U	ug/Kg
Fluorene	3.3 U	ug/Kg
Phenanthrene	3.3 U	ug/Kg
Anthracene	3.3 U	ug/Kg
Fluoranthene	3.3 U	ug/Kg
Pyrene	3.3 U	ug/Kg
Chrysene	3.3 U	ug/Kg
Benzo (a) anthracene	3.3 U	ug/Kg
Benzo (b) fluoranthene	3.3 U	ug/Kg
Benzo (k) fluoranthene	3.3 U	ug/Kg
Benzo (a) pyrene	3.3 U	ug/Kg
Indeno (1, 2, 3-cd) pyrene	3.3 U	ug/Kg
Dibenzo (a, h) anthracene	3.3 U	ug/Kg
Benzo (g, h, i) perylene	3.3 U	ug/Kg
<b>Surrogate:</b>	<b>% RECOV</b>	<b>LIMITS</b>
p-Terphenyl	69	19-162
Date Prepared	08/08/03	
Date Analyzed	08/13/03 13:36	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX33450  
DATE REPORTED: August 13, 2003  
REFERENCE : CTO-252  
PROJECT NAME : Hawkins

PAGE 7 OF 9

RESULTS OF ANALYSIS

EPA METHOD FLPRO -  
PETROL. RESIDUAL ORG.

	<u>LAB BLANK</u>	<u>Units</u>
Hydrocarbons (C8-C40)	6.6 U	mg/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl	105	51-148
Nonatriacontane	112	36-152
Date Prepared	08/07/03	
Date Analyzed	08/08/03 15:15	

U = Compound was analyzed for but not detected to the level shown.

**ENCO LABORATORIES**

**REPORT #** : JAX33450  
**DATE REPORTED**: August 13, 2003  
**REFERENCE** : CTO-252  
**PROJECT NAME** : Hawkins

**PAGE 8 OF 9**

**LABORATORY CERTIFICATIONS**

Laboratory Certification: NELAC:E82277

All analyses reported with this project were analyzed by the facility indicated unless identified below.

ENCO LABORATORIES

REPORT # : JAX33450  
 DATE REPORTED: August 13, 2003  
 REFERENCE : CTO-252  
 PROJECT NAME : Hawkins

PAGE 9 OF 9

QUALITY CONTROL DATA

<u>Parameter</u>	<u>% RECOVERY MS/MSD/LCS</u>	<u>ACCEPT LIMITS</u>	<u>% RPD MS/MSD</u>	<u>ACCEPT LIMITS</u>
<u>EPA Method 8270</u>				
Naphthalene	76/ 76/ 72	20-131	<1	29
Acenaphthene	77/ 77/ 74	24-132	<1	23
Benzo (a)pyrene	105/101/ 62	34-140	4	28
Benzo (g,h,i)perylene	128/125/ 64	31-152	2	21
<u>PETROL. RESIDUAL ORG.</u>				
Hydrocarbons (C8-C40)	77/ 83/ 79	62-204	8	25

< = Less Than  
 MS = Matrix Spike  
 MSD = Matrix Spike Duplicate  
 LCS = Laboratory Control Standard  
 RPD = Relative Percent Difference



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 Cary, North Carolina 27513  
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**ENCO CompQAP No.: 960038G/0 CHAIN OF CUSTODY RECORD**

PROJECT REFERENCE		PROJECT NO.		POLYMER NUMBER		REQUIRED ANALYSIS		PAGE		OF	
HAWKINS		14258B3417		14258B3417							
PROJECT LOC.	SAMPLER(S) NAME	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX TYPE	NUMBER OF CONTAINERS SUBMITTED	PREPARED BY	REMARKS	DATE DUE
FL	Alan Tate / Kim Hartz	8/6/03	0945	X		HAWKINS - SB15	GROUND WATER	2			
		8/6/03	1040	X		HAWKINS - SB16	GROUND WATER	2			
		8/6/03	1115	X		HAWKINS - SB17	GROUND WATER	2			
		8/6/03	1150	X		HAWKINS - SB18	GROUND WATER	2			
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
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							NONAQUEOUS LIQUID (oil solvent, etc.)				
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							NONAQUEOUS LIQUID (oil solvent, etc.)				
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							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
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							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
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							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
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							NONAQUEOUS LIQUID (oil solvent, etc.)				
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							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
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							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				
							SOILS/SEDIMENT				
							NONAQUEOUS LIQUID (oil solvent, etc.)				
							AIR				
							SLUDGE				
							OTHER				
							WASTEWATER				
							DRINKING WATER				



ENVIRONMENTAL CONSERVATION LABORATORIES P16678

QSARF # \_\_\_\_\_

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ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>HAWKINS</b>		PROJECT NO. <b>CTO-252</b>		P.O. NUMBER <b>(ss)</b>		MATRIX TYPE		REQUIRED ANALYSIS				PAGE	OF		
PROJECT LOC. (State) <b>FL</b>		SAMPLER(S) NAME <i>Alan Pate / Alan Pate</i>		PHONE <b>(904)-836-8125</b>		PHONE <b>(904)-836-8165</b>		SURFACE WATER GROUND WATER WASTEWATER DRINKING WATER SOIL/SOLID/SEDIMENT NONAQUEOUS LIQUID (oil, solvent, etc.) AIR SLUDGE OTHER				<input type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)			
CLIENT NAME <b>Tetra Tech NUS</b>		CLIENT PROJECT MANAGER <b>Mr. Greg Roof</b>		CLIENT ADDRESS (CITY, STATE, ZIP) <b>8840 Philips Highway Suite 16 Jacksonville, FL 32256</b>		Date Due: _____									
STATION		DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION		PRESERVATIVE				REMARKS			
								NUMBER OF CONTAINERS SUBMITTED							
		<i>8/6/03</i>	<i>0945</i>	<i>X</i>		<i>HAWKINS-SB15</i>									
2		<i>8/6/03</i>	<i>1040</i>	<i>X</i>		<i>HAWKINS-SB16</i>									
3		<i>8/6/03</i>	<i>1115</i>	<i>X</i>		<i>HAWKINS-SB17</i>									
4		<i>8/6/03</i>	<i>1150</i>	<i>X</i>		<i>HAWKINS-SB18</i>									
5															
6															
7															
3															
9															
10															
11															
12															
13															
14															
SAMPLE KIT PREPARED BY:		DATE	TIME	RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)				DATE	TIME
<input checked="" type="checkbox"/> JACKSONVILLE <input type="checkbox"/> ORLANDO		<i>8/5/03</i>	<i>1600</i>	<i>Alan Pate</i>				<i>8/6/03</i>	<i>1230</i>						
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)				DATE	TIME	RELINQUISHED BY: (SIGNATURE)				DATE	TIME
RECEIVED BY (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)				DATE	TIME
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT	ENCO LOG NO.		REMARKS								
<i>Alan Pate</i>		<i>8/6/03</i>	<i>1230</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<i>JAY 33450</i>										

SOIL

Environmental Conservation Laboratories, Inc.  
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Jacksonville, Florida 32216-6069  
904 / 296-3007  
Fax 904 / 296-6210  
www.encolabs.com



DHRS Certification No. E82277

CLIENT : Tetra Tech NUS  
ADDRESS: 8640 Philips Highway  
Suite 16  
Jacksonville, FL 32256

REPORT # : JAX30224  
DATE SUBMITTED: March 6, 2003  
DATE REPORTED : March 14, 2003

PAGE 1 OF 9

ATTENTION: Mr. Greg Roof

**SAMPLE IDENTIFICATION**

Samples submitted and  
identified by client as:

**REFERENCE:** 4258

103rd St.

03/06/03

#1 - HWK-IDW-50 @ 10:00  
#2 - HWK-TW5B-3' @ 11:00

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 1999). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER

  
Scott D. Martin

ENCO LABORATORIES

REPORT # : JAX30224  
DATE REPORTED: March 14, 2003  
REFERENCE : 4258  
PROJECT NAME : 103rd St.

PAGE 2 OF 9

RESULTS OF ANALYSIS

EPA METHOD 8260 -  
VOLATILE ORGANICS

	<u>HWK-IDW-50</u>	<u>HWK-TW5B-3'</u>	<u>Units</u>
Methyl tert-butyl ether	1.0 U	1.1 U	ug/Kg
Benzene	1.0 U	1.1 U	ug/Kg
Toluene	1.0 U	1.1 U	ug/Kg
Chlorobenzene	1.0 U	1.1 U	ug/Kg
Ethylbenzene	8.5	1.1 U	ug/Kg
m-Xylene & p-Xylene	8.1	1.1 U	ug/Kg
o-Xylene	2.8	2.2 U	ug/Kg
1,3-Dichlorobenzene	1.0 U	1.1 U	ug/Kg
1,4-Dichlorobenzene	1.0 U	1.1 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	1.1 U	ug/Kg
<b>Surrogate:</b>	<b>% RECOV</b>	<b>% RECOV</b>	<b>LIMITS</b>
Dibromofluoromethane	103	99	70-134
D8-Toluene	100	98	60-144
Bromofluorobenzene	136	100	71-127
Date Prepared	03/06/03 18:00	03/06/03 18:00	
Date Analyzed	03/12/03 21:41	03/14/03 00:15	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30224  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

PAGE 3 OF 9

RESULTS OF ANALYSIS

EPA METHOD 8270 -  
 PAH Compounds by SIM

	<u>HWK-IDW-50</u>	<u>HWK-TW5B-3'</u>	<u>Units</u>
Naphthalene	35		
2-Methylnaphthalene	84	4.0 U	ug/Kg
1-Methylnaphthalene	71	4.0 U	ug/Kg
Acenaphthylene	4.1 U	4.0 U	ug/Kg
Acenaphthene	4.1 U	4.0 U	ug/Kg
Fluorene	4.1 U	4.0 U	ug/Kg
Phenanthrene	4.1 U	4.0 U	ug/Kg
Anthracene	4.1 U	4.0 U	ug/Kg
Fluoranthene	4.1 U	4.0 U	ug/Kg
Pyrene	4.1 U	4.0 U	ug/Kg
Chrysene	4.1 U	4.0 U	ug/Kg
Benzo(a)anthracene	4.1 U	4.0 U	ug/Kg
Benzo(b)fluoranthene	4.1 U	4.0 U	ug/Kg
Benzo(k)fluoranthene	4.1 U	4.0 U	ug/Kg
Benzo(a)pyrene	4.1 U	4.0 U	ug/Kg
Indeno(1,2,3-cd)pyrene	4.1 U	4.0 U	ug/Kg
Dibenzo(a,h)anthracene	4.1 U	4.0 U	ug/Kg
Benzo(g,h,i)perylene	4.1 U	4.0 U	ug/Kg
<b>Surrogate:</b>	<b>% RECOV</b>	<b>% RECOV</b>	<b>LIMITS</b>
p-Terphenyl	83	86	19-162
Date Prepared	03/10/03	03/10/03	
Date Analyzed	03/13/03 20:15	03/13/03 20:37	

<u>MISCELLANEOUS</u>	<u>METHOD</u>	<u>HWK-IDW-50</u>	<u>HWK-TW5B-3'</u>	<u>Units</u>
Percent Solids	SM2540G	80	82	%
Date Analyzed		03/11/03 09:20	03/11/03 09:20	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30224  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

PAGE 4 OF 9

RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>HWK-IDW-50</u>	<u>HWK-TW5B-3'</u>	<u>Units</u>
Arsenic Date Analyzed	6010	3.1 03/08/03 21:14	0.62 03/08/03 21:21	mg/Kg
Barium Date Analyzed	6010	25 U 03/08/03 21:14	24 U 03/08/03 21:21	mg/Kg
Cadmium Date Analyzed	6010	1.0 U 03/08/03 21:14	1.0 U 03/08/03 21:21	mg/Kg
Chromium Date Analyzed	6010	10 03/08/03 21:14	2.6 03/08/03 21:21	mg/Kg
Lead Date Analyzed	6010	9.9 03/08/03 21:14	1.8 03/08/03 21:21	mg/Kg
Selenium Date Analyzed	6010	2.0 U 03/08/03 21:14	2.0 U 03/08/03 21:21	mg/Kg
Silver Date Analyzed	6010	5.0 U 03/10/03 18:26	2.0 U 03/08/03 21:20	mg/Kg
Mercury Date Analyzed	7471	0.014 03/13/03 14:13	0.010 U 03/13/03 14:16	mg/Kg
<b>EPA METHOD FLPRO - PETROL. RESIDUAL ORG.</b>		<u>HWK-IDW-50</u>	<u>HWK-TW5B-3'</u>	<u>Units</u>
Hydrocarbons (C8-C40)		12	12	mg/Kg
<b>Surrogate:</b>		<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl		73	73	51-148
Nonatriacontane		86	76	36-152
Date Prepared		03/10/03	03/10/03	
Date Analyzed		03/13/03 13:49	03/13/03 13:58	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30224  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

PAGE 5 OF 9

RESULTS OF ANALYSIS

EPA METHOD 8260 -  
 VOLATILE ORGANICS

	<u>LAB BLANK</u>	<u>LAB BLANK</u>	<u>Units</u>
Methyl tert-butyl ether	1.0 U		
Benzene	1.0 U	1.0 U	ug/Kg
Toluene	1.0 U	1.0 U	ug/Kg
Chlorobenzene	1.0 U	1.0 U	ug/Kg
Ethylbenzene	1.0 U	1.0 U	ug/Kg
m-Xylene & p-Xylene	2.0 U	1.0 U	ug/Kg
o-Xylene	1.0 U	2.0 U	ug/Kg
1,3-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
1,4-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
		1.0 U	ug/Kg
<b><u>Surrogate:</u></b>	<b><u>% RECOV</u></b>	<b><u>% RECOV</u></b>	<b><u>LIMITS</u></b>
Dibromofluoromethane	101	99	70-134
D8-Toluene	99	102	60-144
Bromofluorobenzene	107	108	71-127
Date Analyzed	03/12/03 13:20	03/13/03 23:39	

U = Compound was analyzed for but not detected to the level shown.

**ENCO LABORATORIES**

REPORT # : JAX30224  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

PAGE 6 OF 9

**RESULTS OF ANALYSIS**

**EPA METHOD 8270 -  
 PAH Compounds by SIM**

	<u>LAB BLANK</u>	<u>Units</u>
Naphthalene	3.3 U	ug/Kg
2-Methylnaphthalene	3.3 U	ug/Kg
1-Methylnaphthalene	3.3 U	ug/Kg
Acenaphthylene	3.3 U	ug/Kg
Acenaphthene	3.3 U	ug/Kg
Fluorene	3.3 U	ug/Kg
Phenanthrene	3.3 U	ug/Kg
Anthracene	3.3 U	ug/Kg
Fluoranthene	3.3 U	ug/Kg
Pyrene	3.3 U	ug/Kg
Chrysene	3.3 U	ug/Kg
Benzo (a) anthracene	3.3 U	ug/Kg
Benzo (b) fluoranthene	3.3 U	ug/Kg
Benzo (k) fluoranthene	3.3 U	ug/Kg
Benzo (a) pyrene	3.3 U	ug/Kg
Indeno (1, 2, 3-cd) pyrene	3.3 U	ug/Kg
Dibenzo (a, h) anthracene	3.3 U	ug/Kg
Benzo (g, h, i) perylene	3.3 U	ug/Kg

**Surrogate:**

	<u>% RECOV</u>	<u>LIMITS</u>
p-Terphenyl	92	19-162
Date Prepared	03/10/03	
Date Analyzed	03/13/03 16:40	

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Arsenic	6010	0.50 U	mg/Kg
Date Analyzed		03/08/03 19:02	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30224  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Barium Date Analyzed	6010	20 U 03/08/03 19:02	mg/Kg
Cadmium Date Analyzed	6010	1.0 U 03/08/03 19:02	mg/Kg
Chromium Date Analyzed	6010	1.0 U 03/08/03 19:02	mg/Kg
Lead Date Analyzed	6010	1.0 U 03/08/03 19:02	mg/Kg
Selenium Date Analyzed	6010	2.0 U 03/08/03 19:02	mg/Kg
Silver Date Analyzed	6010	2.0 U 03/08/03 19:02	mg/Kg
Mercury Date Analyzed	7471	0.010 U 03/13/03 13:31	mg/Kg
<u>EPA METHOD FLPRO - PETROL. RESIDUAL ORG.</u>		<u>LAB BLANK</u>	<u>Units</u>
Hydrocarbons (C8-C40)		6.6 U	mg/Kg
<u>Surrogate:</u>		<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl		69	51-148
Nonatriacontane		71	36-152
Date Prepared		03/10/03	
Date Analyzed		03/13/03 09:22	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
REPORT # : JAX30224  
DATE REPORTED: March 14, 2003  
REFERENCE : 4258  
PROJECT NAME : 103rd St.

PAGE 8 OF 9

**LABORATORY CERTIFICATIONS**

Laboratory Certification: FDEP:910190 NELAC:E82277

All analyses reported with this project were analyzed by the facility indicated unless identified below.

ENCO LABORATORIES  
 REPORT # : JAX30224  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

PAGE 9 OF 9

QUALITY CONTROL DATA

<u>Parameter</u>	<u>% RECOVERY MS/MSD/LCS</u>	<u>ACCEPT LIMITS</u>	<u>% RPD MS/MSD</u>	<u>ACCEPT LIMITS</u>
<u>EPA Method 8260</u>				
1,1-Dichloroethene	96/ 93/ 99	44-169	3	19
Benzene	94/ 92/100	50-140	2	23
Trichloroethene	81/ 80/ 92	75-125	1	17
Toluene	93/ 88/ 94	56-139	6	22
Chlorobenzene	90/ 87/ 96	73-123	3	24
<u>EPA Method 8270</u>				
Naphthalene	64/ 64/ 58	20-131	<1	29
Acenaphthene	80/ 80/ 70	24-132	<1	23
Benzo(a)pyrene	92/ 92/ 86	34-140	<1	28
Benzo(g,h,i)perylene	106/ 99/ 94	31-152	7	21
<u>TOTAL METALS</u>				
Arsenic, 6010	107/105/109	53-153	2	22
Barium, 6010	105/102/104	70-120	3	16
Cadmium, 6010	100/ 98/100	59-130	2	24
Chromium, 6010	103/101/104	57-135	2	24
Lead, 6010	103/101/103	63-128	2	26
Selenium, 6010	98/ 96/100	60-121	2	14
Silver, 6010	96/ 93/ 94	69-118	3	10
Mercury, 7471	106/106/107	69-121	<1	18
<u>PETROL. RESIDUAL ORG.</u>				
Hydrocarbons (C8-C40)	80/ 83/ 62	62-204	4	25

< = Less Than  
 MS = Matrix Spike  
 MSD = Matrix Spike Duplicate  
 LCS = Laboratory Control Standard  
 RPD = Relative Percent Difference



TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 2255

PAGE \_\_\_ OF \_\_\_

T15662

PROJECT NO: 4258		FACILITY: 103rd St.		PROJECT MANAGER: Greg Roof		PHONE NUMBER: 904.636.6125		LABORATORY NAME AND CONTACT: ENCO							
SAMPLERS (SIGNATURE): <i>Louis Knight</i>				FIELD OPERATIONS LEADER: Louis Knight		PHONE NUMBER: 904.813.5429		ADDRESS:							
				CARRIER/WAYBILL NUMBER: hand delivered				CITY, STATE: JAX, Florida							
STANDARD TAT <input checked="" type="checkbox"/> RUSH TAT <input type="checkbox"/> <input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day				CONTAINER TYPE: PLASTIC (P) or GLASS (G)		PRESERVATIVE USED:		TYPE OF ANALYSIS: VIC'S KRAMER & CASINO WATER & ALCOHOL							
DATE YEAR: 2003		LOCATION ID:		TOP DEPTH (FT):		BOTTOM DEPTH (FT):						MATRIX (GW, SO, SW, SD, QC, ETC.):		COLLECTION METHOD (GRAP (G) COMP (C)):	
TIME:		SAMPLE ID:		TOP DEPTH (FT):		BOTTOM DEPTH (FT):		MATRIX (GW, SO, SW, SD, QC, ETC.):		COLLECTION METHOD (GRAP (G) COMP (C)):		No. OF CONTAINERS:		COMMENTS:	
3/6		1000 HWK-IDW-50 N/A		-		-		S		C		5		3 2	
3/6		1100 HWK-TWSB-3' TWSB		3		-		S		G		4		3 1 * cool to 4°C	
JAX 30224 Samples received on wet ice															
1. RELINQUISHED BY: <i>Louis Knight</i>				DATE: 3.6.03		TIME:		1. RECEIVED BY: <i>Scott D Melt</i>				DATE: 3/6/03		TIME: 1735	
2. RELINQUISHED BY:				DATE:		TIME:		2. RECEIVED BY:				DATE:		TIME:	
3. RELINQUISHED BY:				DATE:		TIME:		3. RECEIVED BY:				DATE:		TIME:	
COMMENTS:															

DISTRIBUTION:

WHITE (ACCOMPANIES SAMPLE)

YELLOW (FIELD COPY)

PINK (FILE COPY)

4/02R  
FORM NO. TINUS-001

SOIL

**Environmental Conservation Laboratories, Inc.**  
4810 Executive Park Court, Suite 211  
Jacksonville, Florida 32216-6069  
904 / 296-3007  
Fax 904 / 296-6210  
www.encolabs.com



DHRS Certification No. E82277

**CLIENT :** Tetra Tech NUS  
**ADDRESS:** 8640 Philips Highway  
Suite 16  
Jacksonville, FL 32256

**REPORT # :** JAX30190  
**DATE SUBMITTED:** March 6, 2003  
**DATE REPORTED :** March 14, 2003

**PAGE 1 OF 17**

**ATTENTION:** Mr. Greg Roof

**SAMPLE IDENTIFICATION**

Samples submitted and  
identified by client as:

**REFERENCE:** 4258

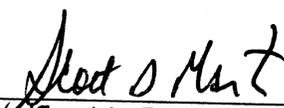
103rd St.

03/05/03

- #1 - HWK-TW1B-3' @ 14:30
- #2 - HWK-TW4B-3' @ 15:10
- #3 - HWK-TW3B-3' @ 16:20
- #4 - HWK-TW2B-3' @ 16:30

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 1999). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

**PROJECT MANAGER**

  
\_\_\_\_\_  
Scott D. Martin

ENCO LABORATORIES  
 REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

EPA METHOD 8260 -  
 VOLATILE ORGANICS

	<u>HWK-TW1B-3'</u>	<u>HWK-TW4B-3'</u>	<u>Units</u>
Methyl tert-butyl ether	1.0 U	1.4 U D1	ug/Kg
Benzene	1.1 U	1.4 U D1	ug/Kg
Toluene	1.0 U	1.4 U D1	ug/Kg
Chlorobenzene	1.0 U	1.4 U D1	ug/Kg
Ethylbenzene	1.0	1.4 U D1	ug/Kg
m-Xylene & p-Xylene	3.1	1.4 U D1	ug/Kg
o-Xylene	1.1	3.0 D1	ug/Kg
1,3-Dichlorobenzene	1.0 U	1.4 U D1	ug/Kg
1,4-Dichlorobenzene	1.0 U	1.4 U D1	ug/Kg
1,2-Dichlorobenzene	1.0 U	1.4 U D1	ug/Kg
<b>Surrogate:</b>	<b>% RECOV</b>	<b>% RECOV</b>	<b>LIMITS</b>
Dibromofluoromethane	102	102	70-134
D8-Toluene	98	101	60-144
Bromofluorobenzene	111	100	71-127
Date Prepared	03/06/03 10:00	03/06/03 10:00	
Date Analyzed	03/12/03 16:55	03/12/03 17:31	

U = Compound was analyzed for but not detected to the level shown.  
 D1 = Analyte value determined from a 1:1.19 dilution.

ENCO LABORATORIES

REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

EPA METHOD 8260 -  
 VOLATILE ORGANICS

	<u>HWK-TW1B-3'</u>	<u>HWK-TW4B-3'</u>	<u>Units</u>
Dichlorodifluoromethane	2.2 U	2.8 U D1	ug/Kg
Chloromethane	1.0 U	1.4 U D1	ug/Kg
Vinyl Chloride	1.0 U	1.4 U D1	ug/Kg
Bromomethane	1.0 U	1.4 U D1	ug/Kg
Chloroethane	1.0 U	1.4 U D1	ug/Kg
Trichlorofluoromethane	1.0 U	1.4 U D1	ug/Kg
1,1-Dichloroethene	1.0 U	1.4 U D1	ug/Kg
Methylene Chloride	10 U	1.4 U D1	ug/Kg
t-1,2-Dichloroethene	1.1 U	14 U D1	ug/Kg
1,1-Dichloroethane	1.0 U	1.4 U D1	ug/Kg
c-1,2-Dichloroethene	1.0 U	1.4 U D1	ug/Kg
Chloroform	1.1 U	1.4 U D1	ug/Kg
1,1,1-Trichloroethane	1.1 U	1.4 U D1	ug/Kg
Carbon tetrachloride	1.1 U	1.4 U D1	ug/Kg
1,2-Dichloroethane	1.1 U	1.4 U D1	ug/Kg
Trichloroethene	1.0 U	1.4 U D1	ug/Kg
1,2-Dichloropropane	1.0 U	1.4 U D1	ug/Kg
Bromodichloromethane	1.0 U	1.4 U D1	ug/Kg
c-1,3-Dichloropropene	1.0 U	1.4 U D1	ug/Kg
t-1,3-Dichloropropene	1.1 U	1.4 U D1	ug/Kg
1,1,2-Trichloroethane	1.0 U	1.4 U D1	ug/Kg
Tetrachloroethene	3.2 U	1.4 U D1	ug/Kg
Dibromochloromethane	1.1 U	4.2 U D1	ug/Kg
Chlorobenzene	1.0 U	1.4 U D1	ug/Kg
Bromoform	1.1 U	1.4 U D1	ug/Kg
1,1,2,2-Tetrachloroethane	1.0 U	1.4 U D1	ug/Kg
1,3-Dichlorobenzene	1.0 U	1.4 U D1	ug/Kg
1,4-Dichlorobenzene	1.0 U	1.4 U D1	ug/Kg
1,2-Dichlorobenzene	1.0 U	1.4 U D1	ug/Kg
<b>Surrogate:</b>	<b>% RECOV</b>	<b>% RECOV</b>	<b>LIMITS</b>
Dibromofluoromethane	102	102	70-134
D8-Toluene	98	101	60-144
Bromofluorobenzene	111	100	71-127
Date Prepared	03/06/03 10:00	03/06/03 10:00	
Date Analyzed	03/12/03 16:55	03/12/03 17:31	

U = Compound was analyzed for but not detected to the level shown.  
 D1 = Analyte value determined from a 1:1.19 dilution.

ENCO LABORATORIES

REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
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RESULTS OF ANALYSIS

EPA METHOD 8270 -

PAH Compounds by SIM

	<u>HWK-TW1B-3'</u>	<u>HWK-TW4B-3'</u>	<u>Units</u>
Naphthalene	3.8 U	3.8 U	ug/Kg
2-Methylnaphthalene	3.8 U	3.8 U	ug/Kg
1-Methylnaphthalene	3.8 U	3.8 U	ug/Kg
Acenaphthylene	3.8 U	3.8 U	ug/Kg
Acenaphthene	3.8 U	3.8 U	ug/Kg
Fluorene	3.8 U	3.8 U	ug/Kg
Phenanthrene	3.8 U	3.8 U	ug/Kg
Anthracene	3.8 U	3.8 U	ug/Kg
Fluoranthene	11	3.8 U	ug/Kg
Pyrene	7.5	3.8 U	ug/Kg
Chrysene	3.8 U	3.8 U	ug/Kg
Benzo(a)anthracene	6.0	3.8 U	ug/Kg
Benzo(b)fluoranthene	3.8 U	3.8 U	ug/Kg
Benzo(k)fluoranthene	3.8 U	3.8 U	ug/Kg
Benzo(a)pyrene	3.8 U	3.8 U	ug/Kg
Indeno(1,2,3-cd)pyrene	9.0	3.8 U	ug/Kg
Dibenzo(a,h)anthracene	3.8 U	3.8 U	ug/Kg
Benzo(g,h,i)perylene	6.4	3.8 U	ug/Kg
<b>Surrogate:</b>	<b>% RECOV</b>	<b>% RECOV</b>	<b>LIMITS</b>
p-Terphenyl	82	99	19-162
Date Prepared	03/10/03	03/10/03	
Date Analyzed	03/13/03 18:06	03/13/03 18:27	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
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RESULTS OF ANALYSIS

<u>MISCELLANEOUS</u>	<u>METHOD</u>	<u>HWK-TW1B-3'</u>	<u>HWK-TW4B-3'</u>	<u>Units</u>
Percent Solids	SM2540G	88	86	%
Date Analyzed		03/11/03 09:20	03/11/03 09:20	
<u>TOTAL METALS</u>	<u>METHOD</u>	<u>HWK-TW1B-3'</u>	<u>HWK-TW4B-3'</u>	<u>Units</u>
Arsenic	6010	0.60 U	0.60 U	mg/Kg
Date Analyzed		03/08/03 19:16	03/08/03 19:58	
Barium	6010	23 U	23 U	mg/Kg
Date Analyzed		03/08/03 19:16	03/08/03 19:58	
Cadmium	6010	1.0 U	1.0 U	mg/Kg
Date Analyzed		03/08/03 19:16	03/08/03 19:58	
Chromium	6010	1.6	2.7	mg/Kg
Date Analyzed		03/08/03 19:16	03/08/03 19:58	
Lead	6010	1.0 U	1.6	mg/Kg
Date Analyzed		03/08/03 19:16	03/08/03 19:58	
Selenium	6010	2.0 U	2.0 U	mg/Kg
Date Analyzed		03/08/03 19:16	03/08/03 19:58	
Silver	6010	2.0 U	2.0 U	mg/Kg
Date Analyzed		03/08/03 19:16	03/08/03 19:58	
Mercury	7471	0.016	0.028	mg/Kg
Date Analyzed		03/13/03 13:48	03/13/03 13:52	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
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RESULTS OF ANALYSIS

EPA METHOD FLPRO -  
PETROL. RESIDUAL ORG.

	<u>HWK-TW1B-3'</u>	<u>HWK-TW4B-3'</u>	<u>Units</u>
Hydrocarbons (C8-C40)	150	7.7 U	mg/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl	0 U	81	51-148
Nonatriacontane	66	74	36-152
Date Prepared	03/10/03	03/10/03	
Date Analyzed	03/13/03 10:56	03/13/03 11:38	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
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 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

EPA METHOD 8260 -  
 VOLATILE ORGANICS

	<u>HWK-TW3B-3'</u>	<u>HWK-TW2B-3'</u>	<u>Units</u>
Methyl tert-butyl ether	1.0 U	1.0 U	ug/Kg
Benzene	1.0 U	1.1 U	ug/Kg
Toluene	1.0 U	1.0 U	ug/Kg
Chlorobenzene	1.0 U	1.0 U	ug/Kg
Ethylbenzene	1.0 U	1.0 U	ug/Kg
m-Xylene & p-Xylene	2.1 U	2.2 U	ug/Kg
o-Xylene	1.0 U	1.1 U	ug/Kg
1,3-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
1,4-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
Dibromofluoromethane	100	103	70-134
D8-Toluene	103	100	60-144
Bromofluorobenzene	104	100	71-127
Date Prepared	03/06/03 10:00	03/06/03 10:00	
Date Analyzed	03/12/03 18:07	03/12/03 18:42	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
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RESULTS OF ANALYSIS

<u>EPA METHOD 8260 - VOLATILE ORGANICS</u>	<u>HWK-TW3B-3'</u>	<u>HWK-TW2B-3'</u>	<u>Units</u>
Dichlorodifluoromethane	2.1 U	2.2 U	ug/Kg
Chloromethane	1.0 U	1.0 U	ug/Kg
Vinyl Chloride	1.0 U	1.0 U	ug/Kg
Bromomethane	1.0 U	1.0 U	ug/Kg
Chloroethane	1.0 U	1.0 U	ug/Kg
Trichlorofluoromethane	1.0 U	1.0 U	ug/Kg
1,1-Dichloroethene	1.0 U	1.0 U	ug/Kg
Methylene Chloride	10 U	10 U	ug/Kg
t-1,2-Dichloroethene	1.0 U	1.1 U	ug/Kg
1,1-Dichloroethane	1.0 U	1.0 U	ug/Kg
c-1,2-Dichloroethene	1.0 U	1.0 U	ug/Kg
Chloroform	1.0 U	1.1 U	ug/Kg
1,1,1-Trichloroethane	1.0 U	1.1 U	ug/Kg
Carbon tetrachloride	1.0 U	1.1 U	ug/Kg
1,2-Dichloroethane	1.0 U	1.1 U	ug/Kg
Trichloroethene	1.0 U	1.0 U	ug/Kg
1,2-Dichloropropane	1.0 U	1.0 U	ug/Kg
Bromodichloromethane	1.0 U	1.0 U	ug/Kg
c-1,3-Dichloropropene	1.0 U	1.0 U	ug/Kg
t-1,3-Dichloropropene	1.0 U	1.1 U	ug/Kg
1,1,2-Trichloroethane	1.0 U	1.0 U	ug/Kg
Tetrachloroethene	3.0 U	3.2 U	ug/Kg
Dibromochloromethane	1.0 U	1.1 U	ug/Kg
Chlorobenzene	1.0 U	1.0 U	ug/Kg
Bromoform	1.0 U	1.1 U	ug/Kg
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	ug/Kg
1,3-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
1,4-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	1.0 U	ug/Kg
<b><u>Surrogate:</u></b>	<b><u>% RECOV</u></b>	<b><u>% RECOV</u></b>	<b><u>LIMITS</u></b>
Dibromofluoromethane	100	103	70-134
D8-Toluene	103	100	60-144
Bromofluorobenzene	104	100	71-127
Date Prepared	03/06/03 10:00	03/06/03 10:00	
Date Analyzed	03/12/03 18:07	03/12/03 18:42	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

EPA METHOD 8270 -  
 PAH Compounds by SIM

	<u>HWK-TW3B-3'</u>	<u>HWK-TW2B-3'</u>	<u>Units</u>
Naphthalene	3.8 U	3.8 U	ug/Kg
2-Methylnaphthalene	3.8 U	3.8 U	ug/Kg
1-Methylnaphthalene	3.8 U	3.8 U	ug/Kg
Acenaphthylene	3.8 U	3.8 U	ug/Kg
Acenaphthene	3.8 U	3.8 U	ug/Kg
Fluorene	3.8 U	3.8 U	ug/Kg
Phenanthrene	3.8 U	3.8 U	ug/Kg
Anthracene	3.8 U	3.8 U	ug/Kg
Fluoranthene	3.8 U	3.8 U	ug/Kg
Pyrene	6.9	3.8 U	ug/Kg
Chrysene	3.8 U	3.8 U	ug/Kg
Benzo(a)anthracene	3.8 U	3.8 U	ug/Kg
Benzo(b)fluoranthene	3.8 U	3.8 U	ug/Kg
Benzo(k)fluoranthene	3.8 U	3.8 U	ug/Kg
Benzo(a)pyrene	10	3.8 U	ug/Kg
Indeno(1,2,3-cd)pyrene	10	8.7	ug/Kg
Dibenzo(a,h)anthracene	3.8 U	3.8 U	ug/Kg
Benzo(g,h,i)perylene	10	6.1	ug/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
p-Terphenyl	100	95	19-162
Date Prepared	03/10/03	03/10/03	
Date Analyzed	03/13/03 18:49	03/13/03 19:11	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
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RESULTS OF ANALYSIS

<u>MISCELLANEOUS</u>	<u>METHOD</u>	<u>HWK-TW3B-3'</u>	<u>HWK-TW2B-3'</u>	<u>Units</u>
Percent Solids	SM2540G	86	87	%
Date Analyzed		03/11/03 09:20	03/11/03 09:20	
<u>TOTAL METALS</u>	<u>METHOD</u>	<u>HWK-TW3B-3'</u>	<u>HWK-TW2B-3'</u>	<u>Units</u>
Arsenic	6010	0.60 U	0.60 U	mg/Kg
Date Analyzed		03/08/03 20:05	03/08/03 20:12	
Barium	6010	23 U	23 U	mg/Kg
Date Analyzed		03/08/03 20:05	03/08/03 20:12	
Cadmium	6010	1.0 U	1.0 U	mg/Kg
Date Analyzed		03/08/03 20:05	03/08/03 20:12	
Chromium	6010	4.0	1.6	mg/Kg
Date Analyzed		03/08/03 20:05	03/08/03 20:12	
Lead	6010	2.9	1.0 U	mg/Kg
Date Analyzed		03/08/03 20:05	03/08/03 20:12	
Selenium	6010	2.0 U	2.0 U	mg/Kg
Date Analyzed		03/08/03 20:05	03/08/03 20:12	
Silver	6010	2.0 U	2.0 U	mg/Kg
Date Analyzed		03/08/03 20:05	03/08/03 20:12	
Mercury	7471	0.050	0.010	mg/Kg
Date Analyzed		03/13/03 13:55	03/13/03 13:58	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
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 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

EPA METHOD FLPRO -  
 PETROL. RESIDUAL ORG.

Hydrocarbons (C8-C40)

HWK-TW3B-3'

HWK-TW2B-3'

Units

7.7 U

26

mg/Kg

Surrogate:

% RECOV

% RECOV

LIMITS

o-Terphenyl

72

72

51-148

Nonatriacontane

68

67

36-152

Date Prepared

03/10/03

03/10/03

Date Analyzed

03/13/03 11:47

03/13/03 11:56

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

EPA METHOD 8260 -  
 VOLATILE ORGANICS

	<u>LAB BLANK</u>	<u>Units</u>
Methyl tert-butyl ether	1.0 U	ug/Kg
Benzene	1.0 U	ug/Kg
Toluene	1.0 U	ug/Kg
Chlorobenzene	1.0 U	ug/Kg
Ethylbenzene	1.0 U	ug/Kg
m-Xylene & p-Xylene	2.0 U	ug/Kg
o-Xylene	1.0 U	ug/Kg
1,3-Dichlorobenzene	1.0 U	ug/Kg
1,4-Dichlorobenzene	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	ug/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>LIMITS</u>
Dibromofluoromethane	101	70-134
D8-Toluene	99	60-144
Bromofluorobenzene	107	71-127
Date Analyzed	03/12/03 13:20	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
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 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

EPA METHOD 8260 -  
VOLATILE ORGANICS

	<u>LAB BLANK</u>	<u>Units</u>
Dichlorodifluoromethane	2.0 U	ug/Kg
Chloromethane	1.0 U	ug/Kg
Vinyl Chloride	1.0 U	ug/Kg
Bromomethane	1.0 U	ug/Kg
Chloroethane	1.0 U	ug/Kg
Trichlorofluoromethane	1.0 U	ug/Kg
1,1-Dichloroethene	1.0 U	ug/Kg
Methylene Chloride	10 U	ug/Kg
t-1,2-Dichloroethene	1.0 U	ug/Kg
1,1-Dichloroethane	1.0 U	ug/Kg
c-1,2-Dichloroethene	1.0 U	ug/Kg
Chloroform	1.0 U	ug/Kg
1,1,1-Trichloroethane	1.0 U	ug/Kg
Carbon tetrachloride	1.0 U	ug/Kg
1,2-Dichloroethane	1.0 U	ug/Kg
Trichloroethene	1.0 U	ug/Kg
1,2-Dichloropropane	1.0 U	ug/Kg
Bromodichloromethane	1.0 U	ug/Kg
c-1,3-Dichloropropene	1.0 U	ug/Kg
t-1,3-Dichloropropene	1.0 U	ug/Kg
1,1,2-Trichloroethane	1.0 U	ug/Kg
Tetrachloroethene	3.0 U	ug/Kg
Dibromochloromethane	1.0 U	ug/Kg
Chlorobenzene	1.0 U	ug/Kg
Bromoform	1.0 U	ug/Kg
1,1,2,2-Tetrachloroethane	1.0 U	ug/Kg
1,3-Dichlorobenzene	1.0 U	ug/Kg
1,4-Dichlorobenzene	1.0 U	ug/Kg
1,2-Dichlorobenzene	1.0 U	ug/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>LIMITS</u>
Dibromofluoromethane	101	70-134
D8-Toluene	99	60-144
Bromofluorobenzene	107	71-127
Date Analyzed	03/12/03 13:20	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX30190  
 DATE REPORTED: March 14, 2003  
 REFERENCE : 4258  
 PROJECT NAME : 103rd St.

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RESULTS OF ANALYSIS

EPA METHOD 8270 -  
 PAH Compounds by SIM

	<u>LAB BLANK</u>	<u>Units</u>
Naphthalene	3.3 U	
2-Methylnaphthalene	3.3 U	ug/Kg
1-Methylnaphthalene	3.3 U	ug/Kg
Acenaphthylene	3.3 U	ug/Kg
Acenaphthene	3.3 U	ug/Kg
Fluorene	3.3 U	ug/Kg
Phenanthrene	3.3 U	ug/Kg
Anthracene	3.3 U	ug/Kg
Fluoranthene	3.3 U	ug/Kg
Pyrene	3.3 U	ug/Kg
Chrysene	3.3 U	ug/Kg
Benzo(a)anthracene	3.3 U	ug/Kg
Benzo(b)fluoranthene	3.3 U	ug/Kg
Benzo(k)fluoranthene	3.3 U	ug/Kg
Benzo(a)pyrene	3.3 U	ug/Kg
Indeno(1,2,3-cd)pyrene	3.3 U	ug/Kg
Dibenzo(a,h)anthracene	3.3 U	ug/Kg
Benzo(g,h,i)perylene	3.3 U	ug/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>LIMITS</u>
p-Terphenyl	92	19-162
Date Prepared	03/10/03	
Date Analyzed	03/13/03 16:40	

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Arsenic	6010	0.50 U	
Date Analyzed		03/08/03 19:02	mg/Kg

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Barium Date Analyzed	6010	20 U 03/08/03 19:02	mg/Kg
Cadmium Date Analyzed	6010	1.0 U 03/08/03 19:02	mg/Kg
Chromium Date Analyzed	6010	1.0 U 03/08/03 19:02	mg/Kg
Lead Date Analyzed	6010	1.0 U 03/08/03 19:02	mg/Kg
Selenium Date Analyzed	6010	2.0 U 03/08/03 19:02	mg/Kg
Silver Date Analyzed	6010	2.0 U 03/08/03 19:02	mg/Kg
Mercury Date Analyzed	7471	0.010 U 03/13/03 13:31	mg/Kg
<u>EPA METHOD FLPRO - PETROL. RESIDUAL ORG.</u>		<u>LAB BLANK</u>	<u>Units</u>
Hydrocarbons (C8-C40)		6.6 U	mg/Kg
<u>Surrogate:</u>		<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl		69	51-148
Nonatriacontane		71	36-152
Date Prepared		03/10/03	
Date Analyzed		03/13/03 09:22	

U = Compound was analyzed for but not detected to the level shown.

**ENCO LABORATORIES**

**REPORT #** : JAX30190  
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**LABORATORY CERTIFICATIONS**

Laboratory Certification: FDEP:910190 NELAC:E82277

All analyses reported with this project were analyzed by the facility indicated unless identified below.

ENCO LABORATORIES

REPORT # : JAX30190  
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QUALITY CONTROL DATA

<u>Parameter</u>	<u>% RECOVERY MS/MSD/LCS</u>	<u>ACCEPT LIMITS</u>	<u>% RPD MS/MSD</u>	<u>ACCEPT LIMITS</u>
<u>EPA Method 8260</u>				
1,1-Dichloroethene	96/ 93/ 99	44-169	3	19
Benzene	94/ 92/100	50-140	2	23
Trichloroethene	81/ 80/ 92	75-125	1	17
Toluene	93/ 88/ 94	56-139	6	22
Chlorobenzene	90/ 87/ 96	73-123	3	24
<u>EPA Method 8260</u>				
1,1-Dichloroethene	96/ 93/ 99	44-169	3	19
Benzene	94/ 92/100	50-140	2	23
Trichloroethene	81/ 80/ 92	75-125	1	17
Toluene	93/ 88/ 94	56-139	6	22
Chlorobenzene	90/ 87/ 96	73-123	3	24
<u>EPA Method 8270</u>				
Naphthalene	64/ 64/ 58	20-131	<1	29
Acenaphthene	80/ 80/ 70	24-132	<1	23
Benzo(a)pyrene	92/ 92/ 86	34-140	<1	28
Benzo(g,h,i)perylene	106/ 99/ 94	31-152	7	21
<u>TOTAL METALS</u>				
Arsenic, 6010	107/105/109	53-153	2	22
Barium, 6010	105/102/104	70-120	3	16
Cadmium, 6010	100/ 98/100	59-130	2	24
Chromium, 6010	103/101/104	57-135	2	24
Lead, 6010	103/101/103	63-128	2	26
Selenium, 6010	98/ 96/100	60-121	2	14
Silver, 6010	96/ 93/ 94	69-118	3	10
Mercury, 7471	106/106/107	69-121	<1	18
<u>PETROL. RESIDUAL ORG.</u>				
Hydrocarbons (C8-C40)	80/ 83/ 62	62-204	4	25

< = Less Than  
 MS = Matrix Spike  
 MSD = Matrix Spike Duplicate  
 LCS = Laboratory Control Standard  
 RPD = Relative Percent Difference



TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 0282

PAGE 1 OF 1

PROJECT NO: 4258		FACILITY: 103rd St.		PROJECT MANAGER: Greg Roof		PHONE NUMBER: 904.636.6125		LABORATORY NAME AND CONTACT: ENCO							
SAMPLERS (SIGNATURE): <i>Louis Knight</i>				FIELD OPERATIONS LEADER: Louis Knight		PHONE NUMBER: 904.813.5429		ADDRESS:							
				CARRIER/WAYBILL NUMBER: hand delivered				CITY, STATE: Jax, Florida							
STANDARD TAT <input checked="" type="checkbox"/> RUSH TAT <input type="checkbox"/>				TOP DEPTH (FT)		BOTTOM DEPTH (FT)		MATRIX (GW, SO, SW, SD, QC, ETC.)		COLLECTION METHOD GRAP (G) COMP (C)		No. OF CONTAINERS		CONTAINER TYPE PLASTIC (P) or GLASS (G)	
<input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day														PRESERVATIVE USED	
DATE YEAR	TIME	SAMPLE ID		LOCATION ID					TYPE OF ANALYSIS				COMMENTS		
3/5	1430	HWK-TW1B-3'		TW1B	3'	-	S	G	4	3	1				
3/5	1510	HWK-TW4B-3'		TW4B	3'	-	S	G	4	3	1			* Cool to 40C	
3/5	1620	HWK-TW3B-3'		TW3B	3'	-	S	G	4	3	1				
3/5	1630	HWK-TW2B-3'		TW2B	3'	-	S	G	4	3	1				
1. RELINQUISHED BY: <i>Meg Johnson</i>				DATE: 3/6/03	TIME: 0800	1. RECEIVED BY: C. Tompkins				DATE: 3-6-03	TIME: 8:00				
2. RELINQUISHED BY:				DATE:	TIME:	2. RECEIVED BY:				DATE:	TIME:				
3. RELINQUISHED BY:				DATE:	TIME:	3. RECEIVED BY:				DATE:	TIME:				
COMMENTS: JAX30190															

**ATTACHMENT C**  
**SOURCE REMOVAL REPORT ( MAY 2004)**

<b>CONTRACTOR'S SUBMITTAL TRANSMITTAL</b>				CONTRACT NO. N62467-04-R-X0014F	TRANSMITTAL NO. 002	DATE 4-Jun-04			
FROM CONTRACTOR TN&Associates				PROJECT TITLE AND LOCATION  Soil Removal - Hawkis Site at NAS JAX					
TO Contracting Officer - Lori Prater NAVFACENCOM									
CONTRACTOR USE ONLY List only one specification division per form  List only one of the following categories on each transmittal form and indicate which is being submitted				REVIEWER USE ONLY ACTION CODES		GOVERNMENT USE ONLY ACTION CODES			
<input type="checkbox"/> Contractor Approval <input checked="" type="checkbox"/> Govt Approval <input type="checkbox"/> Deviation/Substitution (Govt Approval)				A- Approved D- Disapproved AN- Approved As Noted ANR- Approved AS Noted Resubmit RA- Receipt Acknowledged		A- Approved D- Disapproved AN- Approved As Noted ANR- Approved AS Noted Resubmit RA- Receipt Acknowledged			
ITEM	SPEC. SECT. & PARA. AND/OR DWG. NO.	ITEM IDENTIFICATION (TYPE, SIZE, MODEL NO., MFG. NAME, DRAWING OR BROCHURE NUMBER)	NUMBER OF COPIES	RECOMMENDED ACTION	REVIEWERS INITIALS	DATE	ACTION	REVIEWERS INITIALS	DATE
401	2.4	Draft Project Completion Report	Electronic						
301	2.3	Daily Field Reports (incorporated in RACR)	Electronic						
302	2.3	Waste Manifests (incorporated in RACR)	Electronic						
303	2.3	Haul Tickets (incorporated in RACR)	Electronic						
304	2.3	Certificate of Disposal (incorporated in RACR)	Electronic						
CONTRACTOR'S CERTIFICATION AND COMMENTS  IT IS HEREBY CERTIFIED THAT THE EQUIPMENT AND/OR MATERIAL SHOWN AND MARKED IN THIS SUBMITTAL IS THAT PROPOSED TO BE INCORPORATED INTO THIS CONTRACT. IS IN COMPLIANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND CAN BE INSTALLED IN THE ALLOCATED SPACES.  Electronic Submittal to Carl Loop, Rusty Dahms, Greg Roof, Susan Caldwell, Larry Blackburn, and Frank Signoa per direction of Rust Dahms and Carl Loop. Daily reports and waste manifest copies submitted in hard copy to Art Mosly during field operations.				DATE RECEIVED BY REVIEWER		DATE RECEIVED BY GOVT			
				REVIEWER'S COMMENTS				GOVT COMMENTS	
CONTRACTOR'S REPRESENTATIVE SIGNATURE  <i>Gary L. Vogelsong</i>			DATE 4-Jun-04	REVIEWER'S SIGNATURE		DATE	GOVT REP SIGNATURE		DATE



**DRAFT**  
**REMEDIAL ACTION COMPLETION REPORT**

**SOIL REMOVAL**  
**HAWKINS SITE**  
**NAS JACKSONVILLE, FLORIDA**



**Prepared for:**

**Naval Facilities Engineering Command**  
**Southern Division**  
**North Charleston, South Carolina**

**Prepared by:**

**T N & Associates, Inc.**  
**3961 Palmetto Point Blvd. - Suite 302**  
**Myrtle Beach, South Carolina 29588**

**TN** **T N & Associates, Inc.**  
**&A** **Engineering and Science**

**MAY 2004**

**Remedial Action Completion Report  
Hawkins Site – NAS Jacksonville**

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3.0 CONCLUSIONS AND RECOMMENDATIONS.....	3

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- Figure 2 Photographs of Site Activities

**APPENDICES**

- Appendix A Laboratory Analytical Reports for Backfill Material
- Appendix B Transport Weigh Tickets and Non-Hazardous Waste Manifests
- Appendix C Daily Reports for Production, Contractor Quality Control, and Safety
- Appendix D Compaction Report for Backfill Material

**Remedial Action Completion Report  
Hawkins Site – NAS Jacksonville**

**PROFESSIONAL REVIEW CERTIFICATION**

This remedial action report was prepared using sound geotechnical principles and judgment under the direction of the undersigned professional geologist. If conditions are determined to exist that differ from those described, the undersigned should be notified to evaluate the effects, if any, of additional information on the report findings. This document was prepared based on the available assessment documents and the excavation witnessed at the Hawkins Site NAS Jacksonville, Florida. This document was prepared in accordance with Florida Department of Environmental Protection (FDEP) directives and protocols, and should not be construed to apply to any other site.

*Lawrence H. Mattila*

Lawrence H. Mattila, P.G.  
Florida License No. 2106  
Expires: 31 July 2004

Date 3 June 04

## **1.0 INTRODUCTION**

TN & Associates, Inc. (TN&A) performed a Remedial Action (RA) at the Hawkins Site – NAS JAX property located on the South side of 103<sup>rd</sup> Street approximately one-half block east of I-295 in Jacksonville, Florida. The remediation services were provided under Contract N62467-02-D-0483/0003 with Southern Division, Naval Facilities Engineering Command.

The primary objective of this project was to remove contaminated soil. The site was previously injected with ORC during previous activities by others. During the initial ORC injection attempt, a previously unidentified hard pan layer was encountered at approximately five feet below land surface (bls). This hard pan layer prohibited the injection efforts. TetraTech installed temporary wells at the site to better delineate the contamination and recommended to the Navy that a small area be excavated. A decision was reached by the US Navy that excavation and disposal of the impacted soil was the preferred remedy in order to rapidly eliminate any potential for groundwater impacts or other risk mechanisms.

## **2.0 REMEDIAL ACTIVITIES**

The remedial solution was the excavation and off-site disposal of site soil from the land surface to five feet bls or to the confining hard pan layer if encountered shallower than five feet below land surface. TetraTech personnel delineated and marked with pin flags and stakes the limits of excavation. The resulting excavation was then backfilled and compacted with laboratory validated clean soil meeting Florida Department of Environmental Protection (FDEP) residential cleanup level requirements.

### **2.1 Soil Characterization for Disposal**

Petroleum Hydrocarbons (Diesel Range Organics) as Contaminants of Concern (COCs) were detected above action levels during the TetraTech investigation. The previous TetraTech laboratory analyses performed on samples collected by TetraTech were utilized for disposal characterization.

### **2.2 Soil Excavation**

TN&A mobilized to the site and began field activities on 24 May 2004. A Preparatory Phase Checklist and tailgate safety meeting was convened prior to primary field activities with TN&Associates, TN&A's subcontractor Cliff Berry, Inc. (CBI), TetraTech, and US Navy personnel. The boundaries of the excavation had been previously marked with stakes and pin flags by TetraTech. TN&A's excavation contractor, CBI, Inc., was responsible for operation of excavation equipment, coordinating the transport of soil to the disposal facility and for placing and compaction of the backfill. Gary L. Vogelsong of TN&A was on-site to document the remedial activities as Project Site Manager/CQM. Trucks from Onyx Pecan Row Landfill were used to transport excavated soil to the landfill in Valdosta, GA.

## Remedial Action Completion Report Hawkins Site – NAS Jacksonville

The target depth for excavation was five feet bls or to the hard pan layer if encountered prior to five feet bls. Prior to commencement of excavation activities one larger tree, approximately 14" in diameter, and smaller scrub vegetation growth were cleared from the work area using a hand tools and the track-hoe. Cleared vegetation was removed offsite with the excavated soils. Excavation began from the back of the excavation site (south) working toward the front of the excavation site (north) to facilitate direct loading of trucks. This back to front direct load method prevented truck tire contact with contaminated soils. Trucks entered the site from the west on 103<sup>rd</sup> Street and exited in the easterly direction on 103<sup>rd</sup> Street with the flow of traffic. DOT signs noting "Trucks Entering Roadway" were posted at two points west of the site entrance and a flagman assisted trucks re-entering the roadway. US Navy NAS JAX personnel reviewed and signed the Non-Hazardous Waste Manifests. Eighteen trucks were loaded on Monday, 24 May and seven trucks were loaded on Tuesday, 25 May to complete excavation activities. 674.59 tons of soil was transported to the landfill. Trucks that were staged at the project site on Tuesday, 25 May and were not loaded with soil were provided "Empty Load" manifest tickets signed by the US Navy NAS JAX designate.

TetraTech's field representative, Peter Leverette, confirmed that the limits of excavation and excavation depths had been attained. No groundwater was encountered and no rainfall occurred during excavation activities. Transport Weight Tickets and Manifest copies are included in Appendix B. Daily Reports for Production and Contractor Quality Control are included in Appendix C. Photographs are presented as Figure 2.

### 2.3 Excavation Backfill and Compaction

After confirmation that the excavation limits had been obtained, backfilling operations commenced. Tandem axle dump trucks delivered thirty-eight approximately eighteen cubic yard loads of laboratory verified clean backfill equaling approximately 684 loose cubic yards from the Marietta Sand WW Ranch borrow site located West of Jacksonville, FL. Each truck discharged its load into the north end of the excavation where the trackhoe and front loader evenly distributed the backfill material across the excavation in compacted lifts up to the elevation of the adjoining undisturbed surface elevations. The project specifications required reaching a minimum 90% compaction, which was easily attained by compacting the backfill using the trackhoe bucket and tracks. Ellis&Associates, Inc. provided the backfill material Proctor, Gradation, Percent Fines Content, and Soil Classification analysis for utilization by the compaction testing subcontractor, Universal Engineering of Jacksonville, FL. Compaction tests were conducted utilizing ASTM D-2922 Nuclear Method at two locations within the excavation footprint with percent of maximum density of 96.4 and 101.0 documented.

The backfilled area was hand dressed, seeded with 10 pounds of Bahia Pensacola seed, the seed lightly raked into the soil, and hay/straw spread across the entire impacted area on Wednesday, 26 May. Photographs depicting these activities are presented as Figure 2. Appendix A depicts laboratory analytical data for backfill material and Appendix D presents the backfill compaction data.

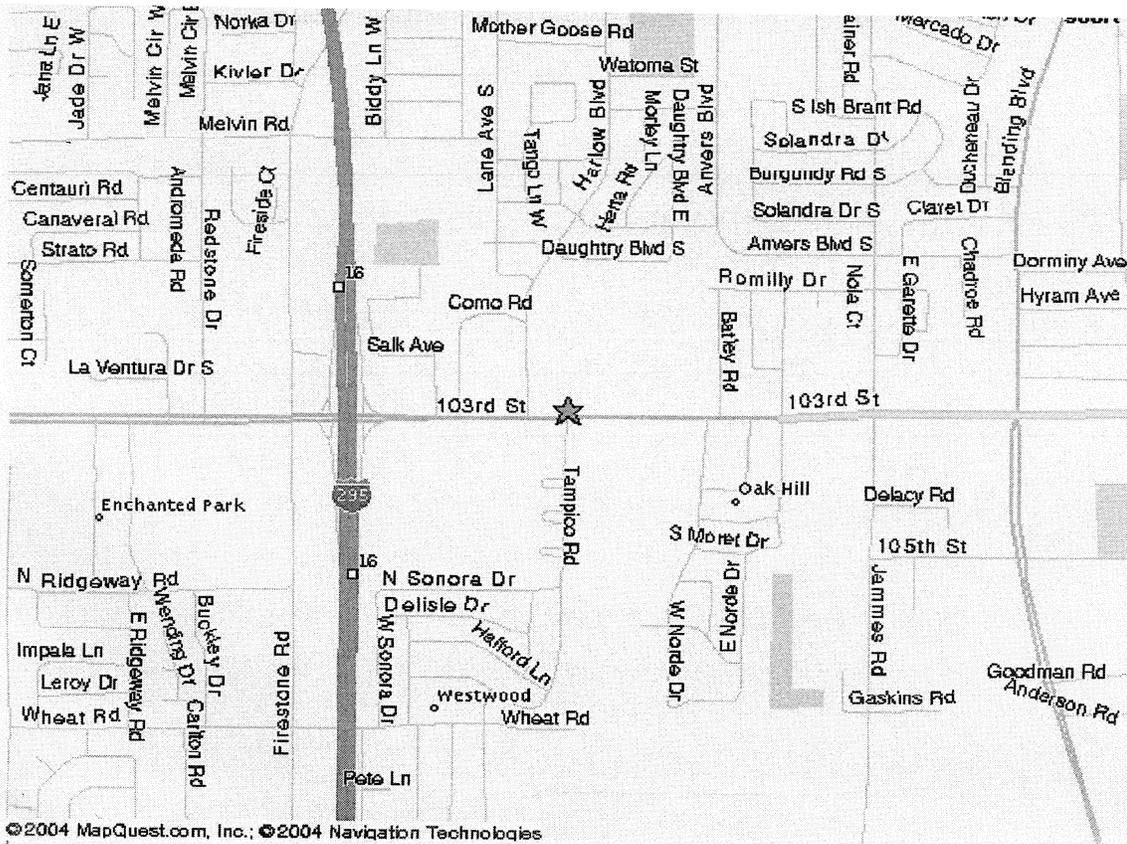
### **3.0 CONCLUSIONS AND RECOMMENDATIONS**

The petroleum impacted soil has been removed from the delineated area and transported to the disposal facility. Backfill material meeting FDEP residential standards placed and compacted and the site restored. The remedial action associated with this activity is concluded and no further remedial action is recommended.

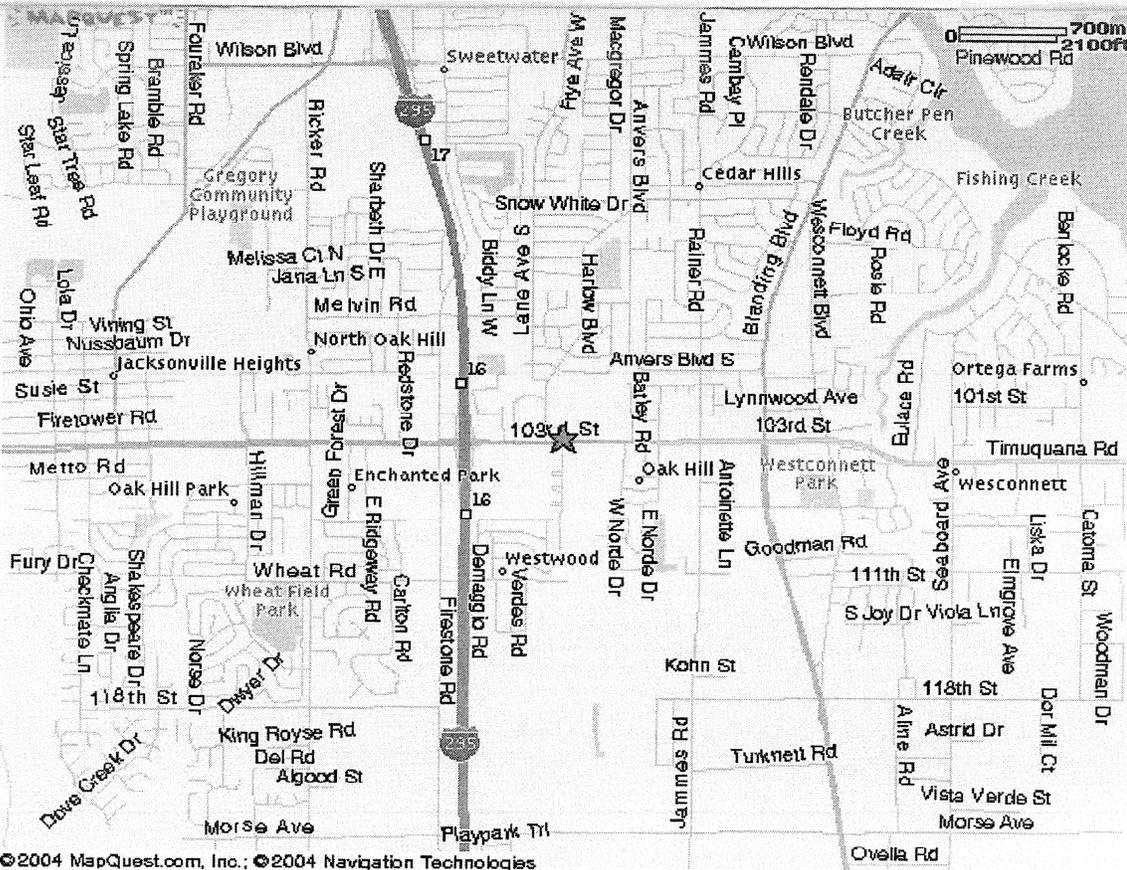
# **Figure 1**

## **Site Location Map**





## Site Location Map

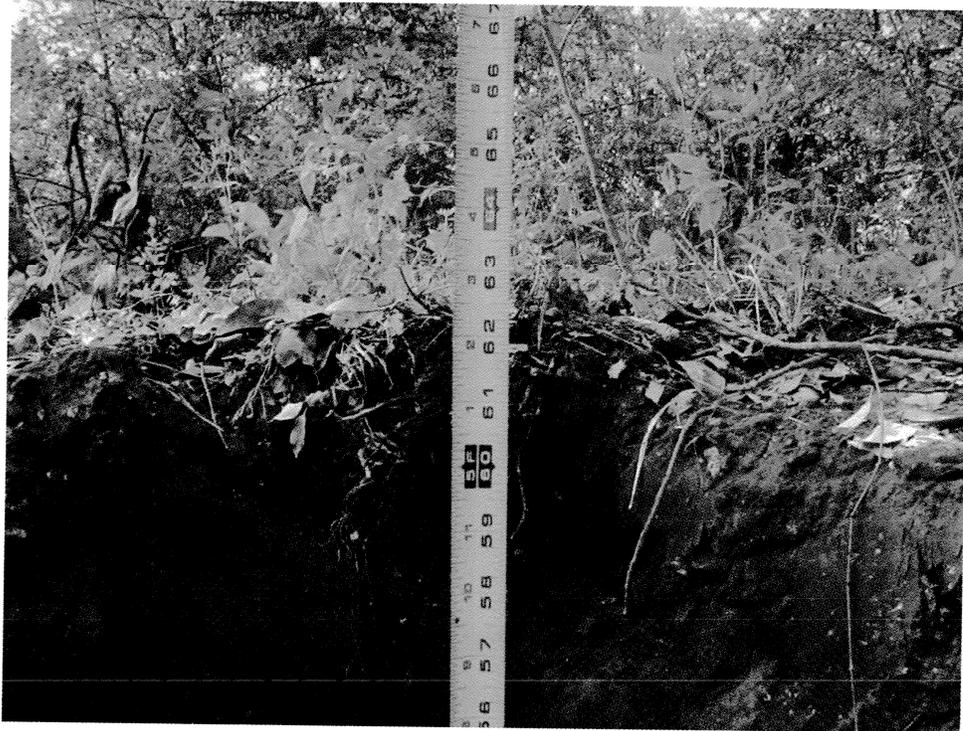


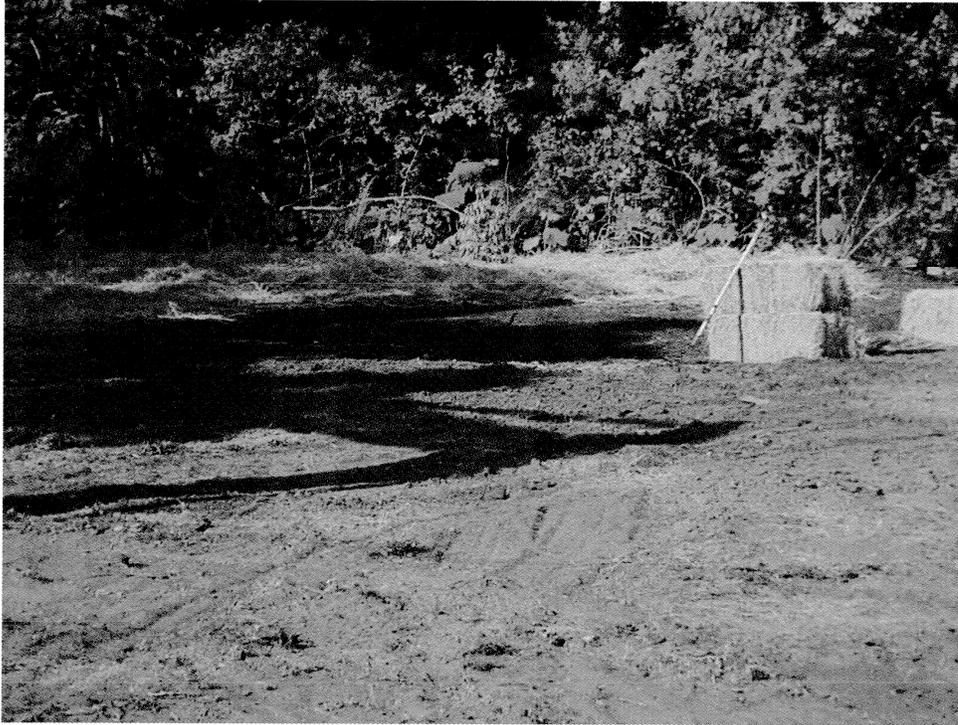
## **Figure 2**

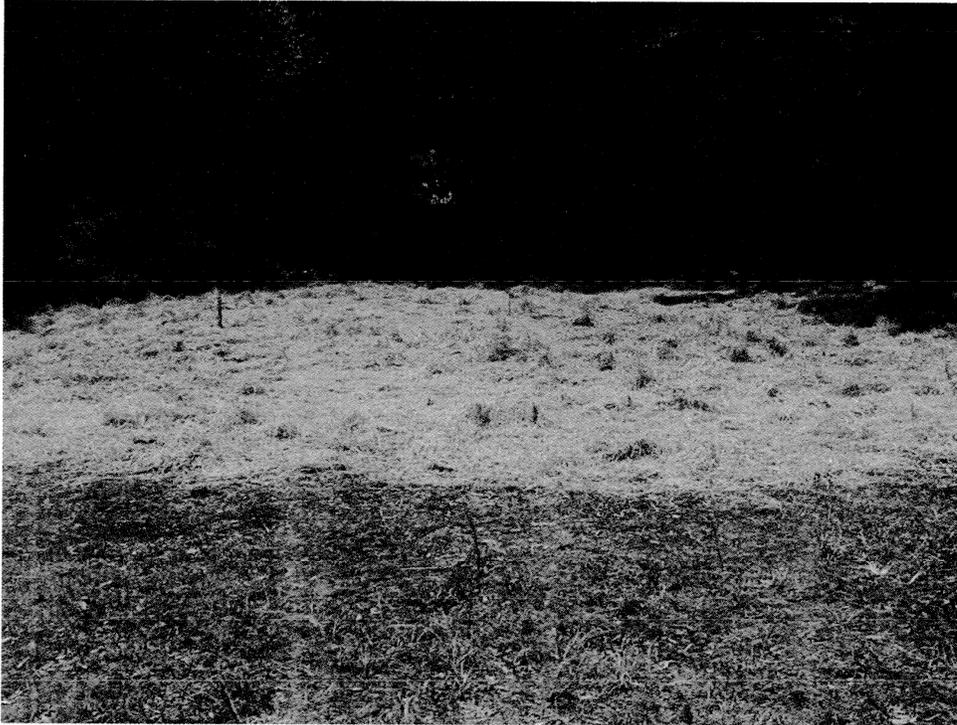
# **Pictures of Site Excavation, Backfill, and Restoration**

**(Attached Folder)**









## **Appendix A**

# **Laboratory Analytical Reports for Backfill Material**

**(Attached Folder)**

## Analytical Report

For: Mr. Mike Marcus  
URS Corporation  
2510-C Wade Hampton Blvd., Suite A  
Greenville, SC 29615  
CC:

Order Number: B421388  
SDG Number:  
Client Project ID: FLD00654632  
Project: URS JEA/SSGS  
Report Date: 04/01/2004  
Sampled By: Client  
Sample Received Date: 03/26/2004  
Requisition Number:  
Purchase Order:



---

Nancy Robertson, Project Manager  
nrobertson@stl-inc.com

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the Laboratory.

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#
21388-1	WW-RANCH-01	Solid	03/26/04	03/25/04 13:55	
21388-2	WW-RANCH-02	Solid	03/26/04	03/25/04 14:10	

Parameter	Units	Lab Sample IDs	
		21388-1	21388-2

Volatiles by GC/MS (8260)

Benzene	ug/kg dw	1.8U	1.8U
Bromobenzene	ug/kg dw	1.3U	1.3U
Bromochloromethane	ug/kg dw	1.3U	1.3U
Bromodichloromethane	ug/kg dw	0.93U	0.94U
Bromoform	ug/kg dw	0.86U	0.88U
Bromomethane (Methyl bromide)	ug/kg dw	3.8U	3.8U
n-Butylbenzene	ug/kg dw	2.2U	2.2U
sec-Butylbenzene	ug/kg dw	2.5U	2.6U
tert-Butylbenzene	ug/kg dw	2.1U	2.1U
Carbon tetrachloride	ug/kg dw	2.0U	2.0U
Chlorobenzene	ug/kg dw	1.4U	1.4U
Chloroethane	ug/kg dw	2.3U	2.4U
Chloroform	ug/kg dw	1.8U	1.8U
Chloromethane	ug/kg dw	1.4U	1.4U
2-Chlorotoluene	ug/kg dw	1.0U	1.1U
4-Chlorotoluene	ug/kg dw	1.3U	1.3U
Dibromochloromethane	ug/kg dw	0.88U	0.90U
1,2-Dibromo-3-chloropropane	ug/kg dw	0.64U	0.63U
1,2-Dibromoethane (EDB)	ug/kg dw	0.90U	0.92U
Dibromomethane	ug/kg dw	0.98U	0.99U
1,2-Dichlorobenzene	ug/kg dw	1.2U	1.2U
1,3-Dichlorobenzene	ug/kg dw	1.4U	1.4U
1,4-Dichlorobenzene	ug/kg dw	1.5U	1.5U
Dichlorodifluoromethane	ug/kg dw	2.5U	2.6U
1,1-Dichloroethane	ug/kg dw	1.7U	1.7U
1,2-Dichloroethane	ug/kg dw	1.3U	1.3U
1,1-Dichloroethene	ug/kg dw	2.3U	2.4U
cis-1,2-Dichloroethene	ug/kg dw	1.8U	1.8U
trans-1,2-Dichloroethene	ug/kg dw	2.0U	2.0U

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
21388-1	WV-RANCH-01	Solid	03/26/04	03/23/04 13:55	
21388-2	WV-RANCH-02	Solid	03/26/04	03/25/04 14:10	

Parameter	Units	Lab Sample IDs	
		21388-1	21388-2

Volatiles by GC/MS (8260)

1,2-Dichloropropane	ug/kg dw	1.50	1.50
1,3-Dichloropropane	ug/kg dw	1.70	1.70
2,2-Dichloropropane	ug/kg dw	2.10	2.10
1,1-Dichloropropylene	ug/kg dw	2.10	2.10
cis-1,3-Dichloropropene	ug/kg dw	1.00	1.00
trans-1,3-Dichloropropene	ug/kg dw	2.20	2.20
Ethylbenzene	ug/kg dw	2.10	2.10
Hexachlorobutadiene	ug/kg dw	1.50	1.50
Isopropylbenzene	ug/kg dw	4.00	4.10
p-Cymene	ug/kg dw	1.50	1.50
Methylene chloride (Dichloromethane)	ug/kg dw	1.50	1.50
Naphthalene	ug/kg dw	0.600	0.610
n-Propylbenzene	ug/kg dw	1.80	1.80
Styrene	ug/kg dw	1.90	1.90
1,1,1,2-Tetrachloroethane	ug/kg dw	1.40	1.40
1,1,2,2-Tetrachloroethane	ug/kg dw	1.00	1.10
Tetrachloroethene	ug/kg dw	3.20	3.20
Toluene	ug/kg dw	1.90	1.90
1,2,3-Trichlorobenzene	ug/kg dw	1.00	1.00
1,2,4-Trichlorobenzene	ug/kg dw	1.00	1.10
1,1,1-Trichloroethane	ug/kg dw	2.20	2.20
1,1,2-Trichloroethane	ug/kg dw	1.00	1.00
Trichloroethene	ug/kg dw	2.20	2.20
Trichlorofluoromethane	ug/kg dw	2.90	3.00
1,2,3-Trichloropropane	ug/kg dw	1.00	1.10
1,2,4-Trimethylbenzene	ug/kg dw	1.00	1.10
1,3,5-Trimethylbenzene	ug/kg dw	1.30	1.30
Vinyl chloride	ug/kg dw	1.60	1.60

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#
21388-1	WW-RANCH-01	Solid	03/25/04	03/25/04 13:55	
21388-2	WW-RANCH-02	Solid	03/25/04	03/25/04 14:10	

Parameter	Units	Lab Sample IDs	
		21388-1	21388-2

Volatiles by GC/MS (8260)

Parameter	Units	21388-1	21388-2
o-Xylene	ug/kg dw	1.7U	1.7U
m&p-Xylene	ug/kg dw	3.3U	3.3U
Acetone	ug/kg dw	7.3I	10I
2-Butanone (MEK)	ug/kg dw	3.5U	3.5U
4-Methyl-2-pentanone (MIBK)	ug/kg dw	5.2U	5.2U
Carbon disulfide	ug/kg dw	2.3U	2.4U
2-Hexanone	ug/kg dw	5.0U	5.1U
Methyl t-butyl ether (MTBE)	ug/kg dw	1.3U	1.3U
Surrogate - Toluene-d8 *	%	100 %	111 %
Surrogate - 4-Bromofluorobenzene *	%	100 %	104 %
Surrogate - Dibromofluoromethane *	%	115 %	109 %
Dilution Factor		1	1
Analysis Date		03/29/04	03/29/04
Batch ID		0329G(A)	0329G(A)

Semivolatile Organics (8270)

Parameter	Units	21388-1	21388-2
1,3-Dichlorobenzene	ug/kg dw	36U	37U
1,4-Dichlorobenzene	ug/kg dw	31U	32U
Hexachloroethane	ug/kg dw	28U	28U
bis(2-Chloroethyl)ether	ug/kg dw	30U	31U
1,2-Dichlorobenzene	ug/kg dw	28U	28U
2,2'-Oxybis(1-chloropropane) [b is(2-Chloroisopropyl) ether]	ug/kg dw	36U	39U
n-Nitrosodi-n-propylamine	ug/kg dw	37U	38U
Nitrobenzene	ug/kg dw	31U	32U
Hexachlorobutadiene	ug/kg dw	27U	27U

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#
21388-1	WW-RANCH-01	Solid	03/26/04	03/25/04 13:55	
21388-2	WW-RANCH-02	Solid	03/26/04	03/25/04 14:10	

Parameter	Units	Lab Sample IDs	
		21388-1	21388-2

Semivolatile Organics (8270)

Parameter	Units	21388-1	21388-2
1,2,4-Trichlorobenzene	ug/kg dw	26U	26U
Isophorone	ug/kg dw	30U	31U
Naphthalene	ug/kg dw	29U	30U
bis(2-Chloroethoxy)methane	ug/kg dw	34U	34U
Hexachlorocyclopentadiene	ug/kg dw	59U	61U
2-Chloronaphthalene	ug/kg dw	28U	28U
Acenaphthylene	ug/kg dw	24U	25U
Acenaphthene	ug/kg dw	34U	34U
Dimethylphthalate	ug/kg dw	29U	30U
2,6-Dinitrotoluene	ug/kg dw	34U	34U
Fluorene	ug/kg dw	36U	37U
4-Chlorophenylphenyl ether	ug/kg dw	32U	33U
2,4-Dinitrotoluene	ug/kg dw	46U	43U
Diethylphthalate	ug/kg dw	37U	38U
N-Nitrosodiphenylamine	ug/kg dw	29U	30U
Hexachlorobenzene	ug/kg dw	52U	54U
4-Bromophenylphenyl ether	ug/kg dw	28U	28U
Phenanthrene	ug/kg dw	20U	20U
Anthracene	ug/kg dw	24U	25U
Di-n-butylphthalate	ug/kg dw	32U	33U
Fluoranthene	ug/kg dw	36U	37U
Pyrene	ug/kg dw	73U	75U
Butylbenzylphthalate	ug/kg dw	49U	50U
bis(2-Ethylhexyl)phthalate	ug/kg dw	52U	54U
Chrysene	ug/kg dw	24U	25U
Benzo(a)anthracene	ug/kg dw	23U	24U
3,3'-Dichlorobenzidine	ug/kg dw	170U	180U
Di-n-octylphthalate	ug/kg dw	63U	64U
Benzo(b)fluoranthene	ug/kg dw	27U	27U

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#
21388-1	WW-RANCH-01	Solid	03/26/04	03/25/04 13:55	
21388-2	WW-RANCH-02	Solid	03/26/04	03/25/04 14:10	

Parameter	Units	Lab Sample IDs	
		21388-1	21388-2

Semivolatile Organics (8270)

Benzo(k)fluoranthene	ug/kg dw	30U	31U
Benzo(a)pyrene	ug/kg dw	34U	34U
Indeno(1,2,3-cd)pyrene	ug/kg dw	78U	80U
Dibenzo(a,n)anthracene	ug/kg dw	60U	62U
Benzo(g,h,i)perylene	ug/kg dw	30U	31U
N-Nitrosodimethylamine	ug/kg dw	57U	58U
2-Chlorophenol	ug/kg dw	37U	38U
2-Nitrophenol	ug/kg dw	22U	23U
Phenol	ug/kg dw	49U	50U
2,4-Dimethylphenol	ug/kg dw	32U	33U
2,4-Dichlorophenol	ug/kg dw	36U	37U
2,4,6-Trichlorophenol	ug/kg dw	23U	24U
4-Chloro-3-methylphenol	ug/kg dw	57U	58U
2,4-Dinitrophenol	ug/kg dw	170U	180U
2-Methyl-4,6-dinitrophenol	ug/kg dw	230U	240U
Pentachlorophenol	ug/kg dw	210U	210U
4-Nitrophenol	ug/kg dw	180U	190U
Benzyl alcohol	ug/kg dw	35U	36U
2-Methylphenol (o-Cresol)	ug/kg dw	37U	38U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	ug/kg dw	49U	50U
Benzoic acid	ug/kg dw	71U	73U
4-Chloroaniline	ug/kg dw	43U	44U
2-Methylnapthalene	ug/kg dw	37U	38U
2,4,5-Trichlorophenol	ug/kg dw	34U	34U
2-Nitroaniline	ug/kg dw	49U	50U
3-Nitroaniline	ug/kg dw	37U	38U
Dibenzofuran	ug/kg dw	35U	36U
4-Nitroaniline	ug/kg dw	49U	50U

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
21388-1	WW-RANCH-01	Solid	03/26/04	03/25/04 13:55	
21388-2	WW-RANCH-02	Solid	03/26/04	03/25/04 14:10	

Parameter	Units	Lab Sample IDs	
		21388-1	21388-2

Semivolatile Organics (8270)

Surrogate - 2-Fluorophenol *	%	77 %	98 %
Surrogate - Phenol-d5 *	%	79 %	102 %
Surrogate - Nitrobenzene - d5 *	%	79 %	105 %
Surrogate - 2-Fluorobiphenyl *	%	79 %	95 %
Surrogate - 2,4,6-Tribromophenol *	%	85 %	102 %
Surrogate - Terphenyl-d14 *	%	95 %	105 %
Dilution Factor		1	1
Prep Date		03/30/04	03/30/04
Analysis Date		03/30/04	03/30/04
Batch ID		0330H	0330H

Petroleum Range Organics (FL-PRD) (FL-PRO)

Petroleum Hydrocarbons	mg/kg dw	4.6U	32
Surrogate, o-Terphenyl *	%	95 %	120 %
Dilution Factor		1	1
Prep Date		03/29/04	03/29/04
Analysis Date		03/29/04	03/29/04
Batch ID		0329H	0329H

PCB's (8082)

Aroclor-1016	ug/kg dw	6.6U	6.8U
Aroclor-1221	ug/kg dw	8.8U	9.0U
Aroclor-1232	ug/kg dw	4.1U	4.2U
Aroclor-1242	ug/kg dw	7.6U	7.7U
Aroclor-1248	ug/kg dw	6.5U	7.0U

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
21388-1	WW-RANCH-01	Solid	03/26/04	03/25/04 13:55	
21388-2	WW-RANCH-02	Solid	03/26/04	03/25/04 14:10	

Parameter	Units	Lab Sample IDs	
		21388-1	21388-2

PCB's (8082)

Aroclor-1254	ug/kg dw	9.5U	9.8U
Aroclor-1260	ug/kg dw	9.3U	9.5U
Surrogate - TCX *	%	46 %	51 %
Surrogate - DCB *	%	62 %	66 %
Dilution Factor		1	1
Prep Date		03/30/04	03/30/04
Analysis Date		03/30/04	03/30/04
Batch ID		0330C	0330I

ICP Metals (6010)

Aluminum	mg/kg dw	1700	4400
Antimony	mg/kg dw	0.58U	0.60U
Arsenic	mg/kg dw	0.63I	0.19U
Barium	mg/kg dw	6.8	14
Beryllium	mg/kg dw	0.066U	0.21I
Cadmium	mg/kg dw	0.10U	0.10U
Chromium	mg/kg dw	2.2	3.7
Cobalt	mg/kg dw	0.22U	0.23U
Copper	mg/kg dw	0.84U	0.86U
Iron	mg/kg dw	2200	490
Lead	mg/kg dw	1.8	3.3
Manganese	mg/kg dw	0.88I	1.2I
Nickel	mg/kg dw	0.50U	1.6I
Selenium	mg/kg dw	0.50U	0.51U
Silver	mg/kg dw	0.22U	0.23U
Thallium	mg/kg dw	0.66U	0.68U
Tin	mg/kg dw	4.7U	4.8U
Vanadium	mg/kg dw	3.6	5.5

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
21388-1	WW-RANCH-01	Solid	03/26/04	03/25/04 13:55	
21388-2	WW-RANCH-02	Solid	03/26/04	03/25/04 14:10	

Parameter	Units	Lab Sample IDs	
		21388-1	21388-2

ICP Metals (6010)

Zinc	mg/kg dw	1.10	1.20
Dilution Factor		1	1
Prep Date		03/26/04	03/26/04
Analysis Date		03/31/04	03/31/04
Batch ID		40326A	40326A

Mercury (7471)

Mercury	mg/kg dw	0.0033U	0.014I
Dilution Factor		1	1
Prep Date		03/30/04	03/30/04
Analysis Date		03/30/04	03/30/04
Batch ID		40330R	40330R



**STL**

STL Tallahassee 2846 Industrial Plaza Drive - Tallahassee FL 32301 Telephone:(850) 878-3994 Fax:(850) 878-9504

## Analytical Report

For: Ms. Keely Meadows  
T N & Associates, Inc.  
840 Kennesaw Avenue, Suite B7  
Marietta, GA 30060  
cc:

Order Number: T413129  
SDC Number:  
Client Project ID: 2003-166  
Project: NAS JAX Hawkins  
Report Date: 05/21/2004  
Sampled By: Client  
Sample Received Date: 05/19/2004  
Requisition Number:  
Purchase Order:

Timothy R. Preston, Project Manager  
timpreston@stl-inc.com  
05/21/2004

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
13129-1	2003-166	Soil	05/19/04	05/18/04 13:35	
Parameter	Units	Lab Sample IDs			
		13129-1			

Chlorinated Herbicides (8151)

2,4-D	ug/kg dw	<9.0
2,4-DB	ug/kg dw	<9.0
2,4,5-T	ug/kg dw	<9.0
2,4,5-TP (S1)vex)	ug/kg dw	<9.0
Dalapon	ug/kg dw	<2200
Dicamba	ug/kg dw	<22
Dichloroprop	ug/kg dw	<110
Difoseb	ug/kg dw	<110
MCPA[(4-chloro-2-methylphenoxy)-acetic acid]	ug/kg dw	<2200
MCPP[2-(4-chloro-2-methylphenoxy)-propanoic acid]	ug/kg dw	<2200
Surrogate-2,4-Dichlorophenyl acetic acid (DCAA) *	%	114 %
Prep Date		05/19/04
Analysis Date		05/21/04
Batch ID		SG051904K

Soil pH (9045)

Soil pH measured in water	units	5.2
Prep Date		05/19/04
Analysis Date		05/19/04
Batch ID		GE051904HS

**Analytical Data Report**

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SIG#
13129-2	TCLP 2003-166	Solid	05/19/04	05/18/04 13:35	
Parameter	Units	Lab Sample IDs			
		13129-2			

TCLP extraction - non-volatile (1311)

TCLP Extraction Date \* 05.19.04

Pesticides in TCLP extract (8081)

Chlordane (TCLP)	mg/l	<0.025
Endrin (TCLP)	mg/l	<0.0050
Heptachlor (TCLP)	mg/l	<0.0025
Heptachlor epoxide (TCLP)	mg/l	<0.0025
Lindane (g-BHC) (TCLP)	mg/l	<0.0025
Methoxychlor (TCLP)	mg/l	<0.025
Toxaphene (TCLP)	mg/l	<0.25
Surrogate -		
Tetrachloro-m-xylene *	%	35 %
Surrogate -		
Decachlorobiphenyl *	%	75 %
Prep Date		05/19/04
Analysis Date		05/21/04
Batch ID		SC052004F

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#
13129-6	TCLP Extraction Fluid Blank	Solid	05/19/04		
13129-7	Regulatory Limit	Solid	05/19/04		

Parameter	Units	Lab Sample IDs	
		13129-6	13129-7

Pesticides in TCLP extract (8081)

Chlordane (TCLP)	mg/l	<0.025	0.030
Endrin (TCLP)	mg/l	<0.0050	0.020
Heptachlor (TCLP)	mg/l	<0.0025	0.0080
Heptachlor epoxide (TCLP)	mg/l	<0.0025	0.0080
Lindane (g-BHC) (TCLP)	mg/l	<0.0025	0.40
Methoxychlor (TCLP)	mg/l	<0.025	10
Toxaphene (TCLP)	mg/l	<0.25	0.50
Surrogate -			
Tetrachloro-m-xylene *	%	43 %	
Surrogate -			
Decachlorobiphenyl *	%	72 %	
Prep Date		05/19/04	
Analysis Date		05/21/04	
Batch ID		SG052004F	

## **Appendix B**

# **Transport Weight Tickets and Non-Hazardous Waste Manifests**

**(Attached Folder)**



WASTE MANIFEST

County & State of Origin Duval / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes ___ No	Non-Friable Asbestos Yes ___ No <input checked="" type="checkbox"/>	Friable Asbestos Yes ___ No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered 5/25/04
Vehicle Lic # or Cont ID # L198		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65603		
1. Work Site Name & Address Hawkins Property NAS Jacksonville Orange Park, FL Jacksonville 32212					Work Site Telephone # 843/294-7023		
2. Generator Name & Address Same 6500 Roosevelt Blvd Jacksonville, FL 32212-5000					Generator Telephone # 904-542-2451 x 10		
3. Description of Materials Non-Hazardous Petroleum Contaminated Soil				4. Containers Number 1	Type DT	5. Total Tons 25 TONS	
6. Special Handling Instructions/Additional Information							
7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title Arthur C. Mack				Signature Required <i>Arthur C. Mack</i>		Month Day Year 5-25-04	
8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL				Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year	
Type/Print Name & Title D. Hendon				Signature Required <i>D. Hendon</i>			
9. Transporter #2 Name and Address				Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
Type/Print Name & Title				Signature Required			
10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit #				Special Instructions (229) 241-8440			
Type/Print Name Paula Henderson				Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year 5/25/04	

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186385  
25 May 2004 11:00 am  
25 May 2004 11:00 am  
000000 0000 0.00

65604

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L234  
234

Contract: 04-01-868  
Reference: 65604

Inbound - Disposal  
Duval / FL

02 Gross Weight 84,800.00 LB  
Stored Tare Weight 28,200.00 LB  
Net Weight 56,600.00 LB 28.30 TN

Quantity	Unit	Description	Rate	Tax	Total
28.30	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver 



WASTE MANIFEST

L-234

County & State of Origin Duval, FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes No	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No	Friable Asbestos Yes <input checked="" type="checkbox"/> No	Date Loaded	Date Delivered 5/25/04
Vehicle Lic # or Cont ID #		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65604		
1. Work Site Name & Address NAS Jacksonville Orange Park, FL		Hewkins Property Jacksonville FL 32212			Work Site Telephone # 843/294-7023		
2. Generator Name & Address Same		NAS JAY 6500 Roosevelt Blvd JAY FL 32212-5000			Generator Telephone # 904-542-2451x10		
3. Description of Materials		4. Containers Number		Type	5. Total Tons		
Non-Hazardous Petroleum Contaminated Soil		1		DT	25 Tons		
6. Special Handling Instructions/Additional Information							
7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title		Signature Required			Month Day Year		
Arthur Mosley		<i>Arthur Mosley</i>			5-25-04		
8. Transporter #1 Name and Address		Transporter #1 Telephone #		Date of Pick-Up Month Day Year			
BEAVER BULK TRUCKING LIVE OAK, FL.		904/362-1185					
Type/Print Name & Title		Signature Required			Date of Pick-Up Month Day Year		
Willie Juey		<i>Willie Juey</i>					
9. Transporter #2 Name and Address		Transporter #2 Telephone #		Date of Pick-Up Month Day Year			
Type/Print Name & Title		Signature Required			Date of Pick-Up Month Day Year		
10. Disposal Facility Name, Address & Telephone #		Special Instructions					
Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit #		(229) 241-8440					
Type/Print Name		Signature Required			Disposal Date Month Day Year		
Paula Henderson		<i>Paula Henderson</i>			5/25/04		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186205  
24 May 2004 2:00 pm  
24 May 2004 2:00 pm  
000000 0000 0.00

65579

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L266  
T266

BEAVER BULK TRUCKING

Contract: 04-01-868  
Reference: 65579

Inbound - Disposal  
Duval / FL

Gross Weight 74,120.00 LB  
Stored Tare Weight 27,500.00 LB  
Net Weight 46,620.00 LB 23.31 TN

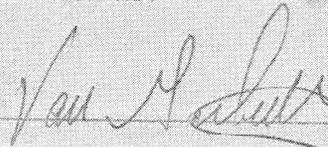
Quantity	Unit	Description	Rate	Tax	Total
23.31	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver



Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186231  
24 May 2004 3:13 pm  
24 May 2004 3:13 pm  
000000 0000 0.00

65580

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L294  
T509

BEAVER BULK TRUCKING

Contract: 04-01-868  
Reference: 65580

Inbound - Disposal  
Duval / FL

Gross Weight 76,860.00 LB  
Stored Tare Weight 27,540.00 LB  
Net Weight 49,320.00 LB 24.66 TN

Quantity	Unit	Description	Rate	Tax	Total
24.66	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver





WASTE MANIFEST

2-2660

<b>Generator</b>	County & State of Origin <i>Duval / FL</i>	Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered
	Vehicle Lic # or Cont ID #	Waste Acceptance Form # <b>04-01-868</b>	Total Tare Weight	Manifest # <b>01 - 001 - 65579</b>			
	1. Work Site Name & Address <i>NAS Jacksonville Orange Park, FL Hawkins site NAS Jacksonville FL</i>				Work Site Telephone # <b>843/294-7023</b>		
	2. Generator Name & Address <b>Same</b>				Generator Telephone #		
	3. Description of Materials <b>Non-Hazardous Petroleum Contaminated Soil</b>		4. Containers Number <b>1</b>	Type <b>DT</b>	5. Total Tons		
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title <i>Arthur Mackey</i>		Signature Required <i>Arthur Mackey</i>		Month Day Year <b>5-24-04</b>		
	8. Transporter #1 Name and Address <b>BEAVER BULK TRUCKING LIVE OAK, FL.</b>		Transporter #1 Telephone # <b>904/362-1185</b>		Date of Pick-Up Month Day Year		
	<b>Transporters</b>	Type/Print Name & Title <i>Van Garbott</i>		Signature Required <i>Van Garbott</i>		Date of Pick-Up Month Day Year	
9. Transporter #2 Name and Address		Transporter #2 Telephone #		Date of Pick-Up Month Day Year			
Type/Print Name & Title		Signature Required					
<b>Disposal Facility</b>	10. Disposal Facility Name, Address & Telephone # <b>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440</b>			Special Instructions			
	Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year <b>5/25/04</b>		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.



WASTE MANIFEST

County & State of Origin <i>Duval / FL</i>		Municipal Solid Waste (MSW) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered <i>5/24/04</i>
Vehicle Lic # or Cont ID #	Waste Acceptance Form # <i>04-01-868</i>	Total Tare Weight		Manifest # <b>01 - 001 - 65580</b>			
1. Work Site Name & Address <i>NAS Jacksonville <del>George Park, FL</del> HAWKINS site, NAS Jacksonville, FL</i>				Work Site Telephone # <i>843/294-7023</i>			
2. Generator Name & Address <i>Same</i>				Generator Telephone #			
3. Description of Materials <i>Non-Hazardous Petroleum Contaminated Soil</i>			4. Containers Number <i>1</i>	Type <i>DT</i>	5. Total Tons <i>22.5 TONS</i>		
6. Special Handling Instructions/Additional Information							
7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title <i>Arthur G. Mosky</i>		Signature Required <i>[Signature]</i>			Month Day Year <i>5-24-04</i>		
8. Transporter #1 Name and Address <i>BEAVER BULK TRUCKING LIVE OAK, FL.</i>		Transporter #1 Telephone # <i>904/362-1185</i>		Date of Pick-Up Month Day Year			
Type/Print Name & Title <i>Robert Newsome</i>			Signature Required <i>[Signature]</i>			Date of Pick-Up Month Day Year	
9. Transporter #2 Name and Address		Transporter #2 Telephone #		Date of Pick-Up Month Day Year			
Type/Print Name & Title			Signature Required				
10. Disposal Facility Name, Address & Telephone # <i>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440</i>				Special Instructions			
Type/Print Name <i>Paula Henderson</i>		Signature Required <i>[Signature]</i>			Disposal Date Month Day Year <i>5/24/04</i>		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186235 -  
24 May 2004 3:22 pm  
24 May 2004 3:22 pm  
000000 0000 0.00

65581

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L246  
246

Contract: 04-01-868  
Reference: 65581

Inbound - Disposal  
Duval / FL

Gross Weight 88,020.00 LB  
Stored Tare Weight 30,940.00 LB  
Net Weight 57,080.00 LB 28.54 TN

Quantity	Unit	Description	Rate	Tax	Total
28.54	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver

Kenneth Fowl

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186230  
24 May 2004 3:10 pm  
24 May 2004 3:10 pm  
000000 0000 0.00

65582

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L200  
201

BEAVER BULK

Contract: 04-01-868  
Reference: 65582

Inbound - Disposal  
Duval / FL

Gross Weight 87,640.00 LB  
Stored Tare Weight 30,700.00 LB  
Net Weight 56,940.00 LB 28.47 TN

Quantity	Unit	Description	Rate	Tax	Total
28.47	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver

D. P.



WASTE MANIFEST

L246

Generator	County & State of Origin Duval / FL	Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes ___ No	Non-Friable Asbestos Yes ___ <input checked="" type="checkbox"/> No	Friable Asbestos Yes ___ <input checked="" type="checkbox"/> No	Date Loaded	Date Delivered 5/24/04
	Vehicle Lic # or Cont ID #	Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65581		
	1. Work Site Name & Address NAS Jacksonville <del>Orange Park</del> <b>Hawkins Site</b> NAS Jacksonville, FL 32212					Work Site Telephone # 843/294-7023	
	2. Generator Name & Address Same 6500 ROOSEVELT BLVD. JAX, FL.					Generator Telephone # (904) 542-2451 x10	
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil			4. Containers Number 1	Type DT	5. Total Tons 24.5 TONS	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER		Signature Required <i>Frank Sigona</i>			Month Day Year May 24, 2004		
Transporters	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL.			Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year	
	Type/Print Name & Title <i>Kenneth Ford</i>			Signature Required <i>Kenneth Ford</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
	Type/Print Name & Title			Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440			Special Instructions			
	Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year 5/24/04		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

L:200

Generator	County & State of Origin <small>Duval / FL</small>	Municipal Solid Waste (MSW) <small>Yes <input checked="" type="checkbox"/> No</small>	Non-MSW <small><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</small>	Non-Friable Asbestos <small>Yes <input checked="" type="checkbox"/> No</small>	Friable Asbestos <small>Yes <input checked="" type="checkbox"/> No</small>	Date Loaded	Date Delivered <b>5/24/04</b>	
	Vehicle Lic # or Cont ID #	Waste Acceptance Form # <b>04-01-868</b>	Total Tare Weight		Manifest # <b>01 - 001 - 65582</b>			
	1. Work Site Name & Address <b>NAS Jacksonville Hawkins site NAS Jacksonville FL 32212</b>					Work Site Telephone # <b>843/294-7023</b>		
	2. Generator Name & Address <b>Same</b>					Generator Telephone # <b>(904) 542-2451 x 10</b>		
	3. Description of Materials <b>Non-Hazardous Petroleum Contaminated Soil</b>				4. Containers Number <b>1</b>	Type <b>DT</b>	5. Total Tons <b>25 TONS</b>	
	6. Special Handling Instructions/Additional Information							
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title <b>FRANK SIGONA PETROLEUM MANAGER</b>			Signature Required <i>Frank Sigona</i>			Month Day Year <b>May 24, 2004</b>		
Transporters	8. Transporter #1 Name and Address <b>BEAVER BULK TRUCKING LIVE OAK, FL</b>			Transporter #1 Telephone # <b>904/362-1185</b>		Date of Pick-Up Month Day Year		
	Type/Print Name & Title <b>Donald Perry</b>			Signature Required <i>Donald Perry</i>				
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year		
Type/Print Name & Title			Signature Required					
Disposal Facility	10. Disposal Facility Name, Address & Telephone # <b>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440</b>				Special Instructions			
	Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>			Disposal Date Month Day Year <b>5/25/04</b>		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186237  
24 May 2004 3:26 pm  
24 May 2004 3:26 pm  
000000 0000 0.00

65583

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L234  
234

Inbound - Disposal  
Duval / FL

Contract: 04-01-868  
Reference: 65583

Gross Weight 81,780.00 LB  
Stored Tare Weight 28,200.00 LB  
Net Weight 53,580.00 LB 26.79 TN

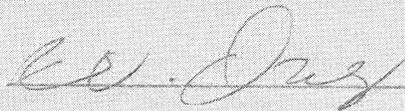
Quantity	Unit	Description	Rate	Tax	Total
26.79	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver



Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186252  
24 May 2004 3:54 pm  
24 May 2004 3:54 pm  
000000 0000 0.00

65584

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: 0006 BEAVER BULK  
0003

Inbound - Disposal  
Duval / FL

Contract: 04-01-868  
Reference: 65564

02 Gross Weight 83,520.00 LB  
Stored Tare Weight 29,460.00 LB  
Net Weight 54,060.00 LB 27.03 TN

Quantity	Unit	Description	Rate	Tax	Total
27.03	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver





WASTE MANIFEST

County & State of Origin Duval FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes ___ No	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No	Friable Asbestos Yes ___ No	Date Loaded	Date Delivered 5/24/04
Vehicle Lic # or Cont ID #		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65583		
Generator	1. Work Site Name & Address HAWKINS PROPERTY NAS Jacksonville <del>Orange Park FL</del> JACKSONVILLE, FL. 32212				Work Site Telephone # 843/294-7023		
	2. Generator Name & Address Same NAS JACKSONVILLE IFL. 6500 ROOSEVELT BLVD. JAX, FL 32212				Generator Telephone # (904) 542- <del>2451</del> X 10		
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil			4. Containers Number 1	Type DT	5. Total Tons 25 TONS	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER		Signature Required <i>Frank Sigona</i>			Month Day Year May 24, 2004	
Transporters	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL.			Transporter #1 Telephone # 904/362-1185	Date of Pick-Up Month Day Year		
	Type/Print Name & Title <i>Willie Ivory</i>			Signature Required <i>Willie Ivory</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #	Date of Pick-Up Month Day Year		
	Type/Print Name & Title			Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit #			Special Instructions (229) 241-8440			
	Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>			Disposal Date Month Day Year 5/24/04	

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.



WASTE MANIFEST

0006

County & State of Origin Duval / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes No	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No	Friable Asbestos Yes <input checked="" type="checkbox"/> No	Date Loaded	Date Delivered 5/24/04
Vehicle Lic # or Cont ID #	Waste Acceptance Form # 04-01-868	Total Tare Weight			Manifest # 01 - 001 - 65584		
1. Work Site Name & Address NAS Jacksonville Orange Park, FL HAWKINS PROPERTY 32212					Work Site Telephone # 843/294-7023		
2. Generator Name & Address Same NASJAX 6500 ROOSEVELT BLVD JAX, FL 32212					Generator Telephone # (904)542-2451 X10		
3. Description of Materials Non-Hazardous Petroleum Contaminated Soil				4. Containers Number 1	Type DT	5. Total Tons 25 TONS	
6. Special Handling Instructions/Additional Information							
7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER				Signature Required <i>Frank Sigona</i>		Month Day Year May 24, 2004	
8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL				Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year	
Type/Print Name & Title <del>FRANK SIGONA</del> Lewis Hopper PETROLEUM MANAGER				Signature Required <i>Lewis Hopper</i>			
9. Transporter #2 Name and Address				Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
Type/Print Name & Title				Signature Required			
10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440				Special Instructions			
Type/Print Name Paula Henderson		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year 5/24/04			

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186259  
24 May 2004 4:02 pm  
24 May 2004 4:02 pm  
000000 0000 0.00

65585

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L14  
4048

BEAVER BULK TRUCKING

Contract: 04-01-868  
Reference: 65585

Inbound - Disposal  
Duval / FL

Gross Weight 91,020.00 LB  
Stored Tare Weight 28,560.00 LB  
Net Weight 62,460.00 LB 31.23 TN

Quantity	Unit	Description	Rate	Tax	Total
31.23	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver *Genai Lach*

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186271  
24 May 2004 4:30 pm  
24 May 2004 4:30 pm  
000000 0000 0.00

65586

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L104  
T105

BEAVER BULK

Contract: 04-01-868  
Reference: 65586

Inbound - Disposal  
Duval / FL

02 Gross Weight 86,180.00 LB  
Stored Tare Weight 30,120.00 LB  
Net Weight 56,060.00 LB 28.03 TN

Quantity	Unit	Description	Rate	Tax	Total
28.03	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver *M. J. [Signature]*



WASTE MANIFEST

L-14

County & State of Origin <i>Duval / FL</i>		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered
Vehicle Lic # or Cont ID #	Waste Acceptance Form # <i>04-01-868</i>	Total Tare Weight		Manifest # <b>01 - 001 - 65585</b>			
1. Work Site Name & Address <i>NAS Jacksonville <del>Orange Park, FL</del> JACKSONVILLE, FL 32212</i>				Work Site Telephone # <i>843/294-7023</i>			
2. Generator Name & Address <i>Same NASJAX 6500 ROOSEVELT BLVD. JAX, FL. 32212</i>				Generator Telephone # <i>(904) 542-2451 x 10</i>			
3. Description of Materials			4. Containers Number	Type	5. Total Tons		
<i>Non-Hazardous Petroleum Contaminated Soil</i>			<i>1</i>	<i>DT</i>	<i>25 TONS</i>		
6. Special Handling Instructions/Additional Information							
7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title <i>FRANK SIGONA PETROLEUM MANAGER</i>		Signature Required <i>Frank Sigona</i>			Month Day Year <i>May 24, 2004</i>		
8. Transporter #1 Name and Address <i>BEAVER BULK TRUCKING LIVE OAK, FL.</i>			Transporter #1 Telephone # <i>904/362-1185</i>		Date of Pick-Up Month Day Year		
Type/Print Name & Title <i>Sennie Lusk</i>				Signature Required <i>Sennie Lusk</i>			
9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year		
Type/Print Name & Title				Signature Required			
10. Disposal Facility Name, Address & Telephone # <i>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit #</i>				Special Instructions			
Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>			Disposal Date Month Day Year <i>5/24/04</i>		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

L-104

County & State of Origin <i>Duval, FL</i>		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded <i>5-24-04</i>	Date Delivered <i>5-24-04</i>
Vehicle Lic # or Cont ID # <i>L-104</i>		Waste Acceptance Form # <i>04-01-868</i>		Total Tare Weight		Manifest # <i>01 - 001 - 65586</i>	
Generator		1. Work Site Name & Address <i>HAWKINS PROPERTY NAS Jacksonville JACKSONVILLE, FL. 32210</i>				Work Site Telephone # <i>843/294-7023</i>	
		2. Generator Name & Address <i>NAS JACKSONVILLE 6500 ROOSEVELT BLVD. JAX, FL. 32210</i>				Generator Telephone # <i>(904) 542-2451 X10</i>	
Generator		3. Description of Materials <i>Non-Hazardous Petroleum Contaminated Soil</i>			4. Containers Number Type <i>1 DT</i>		5. Total Tons <i>25 TONS</i>
		6. Special Handling Instructions/Additional Information					
		7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.					
Transporters		Type/Print Name & Title <i>FRANK SKONA PETROLEUM MANAGER</i>		Signature Required <i>Frank Skona</i>		Month Day Year <i>May 24, 2004</i>	
		8. Transporter #1 Name and Address <i>BEAVER BULK TRUCKING LIVE OAK, FL.</i>		Transporter #1 Telephone # <i>904/362-1185</i>		Date of Pick-Up Month Day Year <i>5-24-04</i>	
Transporters		Type/Print Name & Title <i>M. HAMOR SR.</i>		Signature Required <i>M. Hamor Sr.</i>			
		9. Transporter #2 Name and Address		Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
Disposal Facility		Type/Print Name & Title			Signature Required		
		10. Disposal Facility Name, Address & Telephone # <i>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440</i>				Special Instructions	
Disposal Facility		Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year <i>5/24/04</i>	

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186270  
24 May 2004 7:28 pm  
24 May 2004 4:28 pm  
000000 0000 0.00

65587

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L236  
L2

BEAVER BULK

Contract: 04-01-868  
Reference: 65587

Inbound - Disposal  
Duval / FL

02 Gross Weight 80,240.00 LB  
Stored Tare Weight 27,560.00 LB  
Net Weight 52,680.00 LB 26.34 TN

Quantity	Unit	Description	Rate	Tax	Total
26.34	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver Bill Swan

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186276  
24 May 2004 4:46 pm  
24 May 2004 4:46 pm  
000000 0000 0.00

65588

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L136  
T136

BEAVER BULK TRUCKING

Contract: 04-01-868  
Reference: 65588

Inbound - Disposal  
Duval / FL

01 Gross Weight 78,460.00 LB  
Stored Tare Weight 32,420.00 LB  
Net Weight 46,040.00 LB 23.02 TN

Quantity	Unit	Description	Rate	Tax	Total
23.02	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver David Lee



WASTE MANIFEST

L-236 L-2

County & State of Origin Dunval / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes ___ No	Non-Friable Asbestos Yes ___ No <input checked="" type="checkbox"/>	Friable Asbestos Yes ___ No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered 5/24/04
Vehicle Lic # or Cont ID #		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65587		
Generator	1. Work Site Name & Address NAS Jacksonville <del>Orange Park, FL</del> JACKSONVILLE, FL 32212				Work Site Telephone # 843/294-7023		
	2. Generator Name & Address <del>State</del> NASJAX 6500 ROOSEVELT BLVD- JAX, FL 32212				Generator Telephone # (904) 542-2451 x10		
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil			4. Containers Number 1	Type DT	5. Total Tons 25 TONS	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER		Signature Required <i>Frank Sigona</i>			Month Day Year May 24, 2004	
	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL		Transporter #1 Telephone # 904/362-1185			Date of Pick-Up Month Day Year	
Transporters	Type/Print Name & Title BILL CREECH			Signature Required <i>Bill Creech</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
	Type/Print Name & Title			Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440			Special Instructions			
	Type/Print Name Paula Henderson		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year 5/24/04		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

County & State of Origin <i>Duval, FL</i>		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date Loaded	Date Delivered <i>05/24/04</i>
Vehicle Lic # or Cont ID #		Waste Acceptance Form # <i>04-01-868</i>	Total Tare Weight		Manifest # <b>01 - 001 - 65588</b>		
Generator	1. Work Site Name & Address <i>NAS Jacksonville Jacksonville, FL JACKSONVILLE 32212</i>				Work Site Telephone # <i>843/294-7023</i>		
	2. Generator Name & Address <i>NASJAX Same 6500 ROOSEVELT BLVD. JAX, FL. 32212</i>				Generator Telephone # <i>(904) 542-2451 x 10</i>		
	3. Description of Materials <i>Non-Hazardous Petroleum Contaminated Soil</i>			4. Containers Number <i>1</i>	Type <i>DT</i>	5. Total Tons <i>25 TONS</i>	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title <i>FRANK SIGONA PETROLEUM MANAGER</i>		Signature Required <i>Frank Sigona</i>			Month Day Year <i>May 24, 2004</i>	
Transporters	8. Transporter #1 Name and Address <i>BEAVER BULK TRUCKING LIVE OAK, FL.</i>			Transporter #1 Telephone # <i>904/362-1185</i>		Date of Pick-Up Month Day Year	
	Type/Print Name & Title <i>David Lee</i>			Signature Required <i>David Lee</i>		Date of Pick-Up Month Day Year	
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
	Type/Print Name & Title			Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # <i>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit #</i>			Special Instructions <i>(229) 241-8440</i>			
	Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>			Disposal Date Month Day Year <i>05/24/04</i>	

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186277  
24 May 2004 4:49 pm  
24 May 2004 4:49 pm  
000000 0000 0.00

65589

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L252 BEAVER BULK  
376

Contract: 04-01-868  
Reference: 65589

Inbound - Disposal  
Duval / FL

01 Gross Weight 76,960.00 LB  
Stored Tare Weight 31,900.00 LB  
Net Weight 45,060.00 LB 22.53 TN

Quantity	Unit	Description	Rate	Tax	Total
22.53	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver 

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186280  
24 May 2004 5:04 pm  
24 May 2004 5:04 pm  
000000 0000 0.00

65590

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L198 BEAVER BULK  
198

Contract: 04-01-868  
Reference: 65590

Inbound - Disposal  
Duval / FL

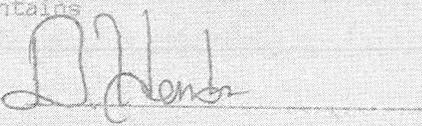
01 Gross Weight 91,260.00 LB  
Stored Tare Weight 26,500.00 LB  
Net Weight 64,760.00 LB 32.38 TN

Quantity	Unit	Description	Rate	Tax	Total
32.38	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver 



WASTE MANIFEST

County & State of Origin <i>Duval / FL</i>		Municipal Solid Waste (MSW) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered <i>5/24/04</i>
Vehicle Lic # or Cont ID #		Waste Acceptance Form # <i>04-01-868</i>	Total Tare Weight		Manifest # <b>01 - 001 - 65589</b>		
<b>Generator</b>	1. Work Site Name & Address <i>NAS Jacksonville Orange Park, FL JACKSONVILLE 32212</i>				Work Site Telephone # <i>843/294-7023</i>		
	2. Generator Name & Address <i>NAS JAX Same 6500 ROOSEVELT BLVD. JAX, FL. 32212-5000</i>				Generator Telephone # <i>(904) 542-2451 X-10</i>		
	3. Description of Materials <i>Non-Hazardous Petroleum Contaminated Soil</i>		4. Containers Number <i>1</i>		Type <i>DT</i>	5. Total Tons <i>25 T</i>	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title <i>FRANK SIGONA PETROLEUM MANAGER</i>		Signature Required <i>Frank Sigona</i>			Month Day Year <i>May 24, 2004</i>	
<b>Transporters</b>	8. Transporter #1 Name and Address <i>BEAVER BULK TRUCKING LIVE OAK, FL.</i>			Transporter #1 Telephone # <i>904/362-1185</i>		Date of Pick-Up Month Day Year	
	Type/Print Name & Title			Signature Required			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
	Type/Print Name & Title <i>GERARD AYERS 6253</i>			Signature Required <i>Gerard Ayers</i>			
<b>Disposal Facility</b>	10. Disposal Facility Name, Address & Telephone # <i>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440</i>			Special Instructions			
	Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year <i>5/24/04</i>		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

County & State of Origin Duval / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes No	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No	Friable Asbestos Yes <input checked="" type="checkbox"/> No	Date Loaded	Date Delivered 5/24/04
Vehicle Lic # or Cont ID # L198		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65590		
1. Work Site Name & Address NAS Jacksonville Orange Park, FL JACKSONVILLE 32212					Work Site Telephone # 843/294-7023		
2. Generator Name & Address NASJAX 6500 ROOSEVELT BLVD. JAX, FL. 32212-5000					Generator Telephone # (904) 542-2451 X-10		
3. Description of Materials Non-Hazardous Petroleum Contaminated Soil				4. Containers Number 1	Type DT	5. Total Tons	
6. Special Handling Instructions/Additional Information							
7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER				Signature Required <i>Frank Sigona</i>		Month Day Year May 24, 2004	
8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL				Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year	
Type/Print Name & Title <i>Derrick Honder</i>				Signature Required <i>Derrick Honder</i>			
9. Transporter #2 Name and Address				Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
Type/Print Name & Title L898				Signature Required			
10. Disposal Facility Name, Address & Telephone # Ornyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440				Special Instructions			
Type/Print Name <i>Paula Henderson</i>			Signature Required <i>Paula Henderson</i>			Disposal Date Month Day Year 5/24/04	

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186282  
24 May 2004 5:37 pm  
24 May 2004 5:37 pm  
000000 0000 0.00

65591

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L286  
L286

BEAVER BULK TRUCKING

Inbound - Disposal  
Duval / FL

Contract: 04-01-868  
Reference: 65591

01 Gross Weight 80,280.00 LB  
Stored Tare Weight 30,180.00 LB  
Net Weight 50,100.00 LB 25.05 TN

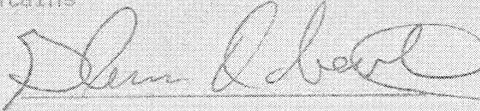
Quantity	Unit	Description	Rate	Tax	Total
25.05	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver



Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186285  
24 May 2004 5:55 pm  
24 May 2004 5:55 pm  
000000 0000 0.00

65592

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L300  
8005

BEAVER BULK TRUCKING

Inbound - Disposal  
Duval / FL

Contract: 04-01-868  
Reference: 65592

01 Gross Weight 75,100.00 LB  
Stored Tare Weight 32,000.00 LB  
Net Weight 43,100.00 LB 21.55 TN

Quantity	Unit	Description	Rate	Tax	Total
21.55	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver





WASTE MANIFEST

County & State of Origin <i>Duval, FL</i>		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes ___ No	Non-Friable Asbestos Yes ___ <input checked="" type="checkbox"/> No	Friable Asbestos Yes ___ <input checked="" type="checkbox"/> No	Date Loaded	Date Delivered <i>5/24/04</i>
Vehicle Lic # or Cont ID # <i>L-286</i>		Waste Acceptance Form # <i>04-01-868</i>		Total Tare Weight		Manifest # <i>01 - 001 - 65591</i>	
<b>Generator</b>	1. Work Site Name & Address <i>NAS Jacksonville JACKSONVILLE 32212</i>				Work Site Telephone # <i>843/294-7023</i>		
	2. Generator Name & Address <i>NASJAX 6500 ROOSEVELT BLVD. JAX, FL. 32212</i>				Generator Telephone # <i>(904) 542-2451 x-10</i>		
	3. Description of Materials <i>Non-Hazardous Petroleum Contaminated Soil</i>			4. Containers Number <i>1</i>	Type <i>DT</i>	5. Total Tons <i>24.5</i>	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title <i>FRANK SIGONA PETROLEUM MANAGER</i>		Signature Required <i>Frank Sigona</i>			Month Day Year <i>May 24, 2004</i>	
<b>Transporters</b>	8. Transporter #1 Name and Address <i>BEAVER BULK TRUCKING LIVE OAK, FL.</i>			Transporter #1 Telephone # <i>904/362-1185</i>		Date of Pick-Up Month Day Year	
	Type/Print Name & Title <i>Glen Robert</i>			Signature Required <i>Glen Robert</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
	Type/Print Name & Title			Signature Required			
<b>Disposal Facility</b>	10. Disposal Facility Name, Address & Telephone # <i>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440</i>			Special Instructions			
	Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year <i>5/24/04</i>		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

L-300

County & State of Origin Duval / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date Loaded	Date Delivered 5/24/04
Vehicle Lic # or Cont ID #		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65592		
Generator	1. Work Site Name & Address NAS Jacksonville JAX, FL 32212			HAWKINS PROPERTY Work Site Telephone # 843/294-7023			
	2. Generator Name & Address Same NASJAX 6500 ROOSEVELT BLVD. JAX, FL 32212			Generator Telephone # (904) 542-2451 X-10			
	3. Description of Materials			4. Containers Number 1	Type DT	5. Total Tons 24.5 TONS	
	Non-Hazardous Petroleum Contaminated Soil						
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER		Signature Required <i>Frank Sigona</i>			Month Day Year May 24, 2004		
Transporters	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL			Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year	
	Type/Print Name & Title BILL WILLES			Signature Required <i>Bill Willes</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
	Type/Print Name & Title			Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit #			Special Instructions (229) 241-8440			
	Type/Print Name Paula Henderson		Signature Required <i>Paula Henderson</i>			Disposal Date Month Day Year 5/24/04	

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186283  
24 May 2004 5:48 pm  
24 May 2004 5:48 pm  
000000 0000 0.00

65593

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L120 BEAVER BULK  
121

Contract: 04-01-868  
Reference: 65593

Inbound - Disposal  
Duval / FL

01 Gross Weight 81,900.00 LB  
Stored Tare Weight 28,840.00 LB  
Net Weight 53,060.00 LB 26.53 TN

Quantity	Unit	Description	Rate	Tax	Total
26.53	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver Ray

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186284  
24 May 2004 5:52 pm  
24 May 2004 5:52 pm  
000000 0000 0.00

65594

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L200 BEAVER BULK TRUCKING  
200

Contract: 04-01-868  
Reference: 65594

Inbound - Disposal  
Duval / FL

01 Gross Weight 88,000.00 LB  
Stored Tare Weight 30,260.00 LB  
Net Weight 57,740.00 LB 28.87 TN

Quantity	Unit	Description	Rate	Tax	Total
28.87	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver Timmons



WASTE MANIFEST

#L120

Generator	County & State of Origin Duval / FL	Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered 5/24/04
	Vehicle Lic # or Cont ID # L-120	Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65593		
	1. Work Site Name & Address NAS Jacksonville HAWKINS PROPERTY JACKSONVILLE 32212				Work Site Telephone # 843/294-7023		
	2. Generator Name & Address NAS JACKSONVILLE 6500 ROOSEVELT BLVD. JAX, FL. 32212				Generator Telephone # (904) 542-2451 X-10		
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil			4. Containers Number 1	Type DT	5. Total Tons 25 TONS	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER		Signature Required <i>Frank Sigona</i>		Month Day Year May 24, 2004			
Transporters	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL.			Transporter #1 Telephone # 904/362-1185	Date of Pick-Up Month Day Year 5-24-2004		
	Type/Print Name & Title <i>Carl Goodwin</i>			Signature Required <i>Carl Goodwin</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #	Date of Pick-Up Month Day Year		
Type/Print Name & Title			Signature Required				
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit #			Special Instructions			
	Type/Print Name Paula Henderson		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year 5/24/04		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

County & State of Origin Duval / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered 5/24/04	
Vehicle Lic # or Cont ID # L-280		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65594			
Generator	1. Work Site Name & Address NAS Jacksonville JACKSONVILLE, FL. 32212				Work Site Telephone # 843/294-7023			
	2. Generator Name & Address NAS JACKSONVILLE 6500 ROOSEVELT BLVD. JAX, FL. 32212				Generator Telephone # (904) 542-2451 X-10			
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil		4. Containers Number 1		Type DT		5. Total Tons 24.5 TONS	
	6. Special Handling Instructions/Additional Information							
	7. Generator's Certification: <input checked="" type="checkbox"/> Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
	Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER		Signature Required <i>Frank Sigona</i>			Month Day Year May 24, 2004		
	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL.		Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year			
Transporters	Type/Print Name & Title <i>Ronald Timmons</i>				Signature Required <i>Ronald Timmons</i>			
	9. Transporter #2 Name and Address		Transporter #2 Telephone #		Date of Pick-Up Month Day Year			
	Type/Print Name & Title				Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440			Special Instructions				
	Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year 5/24/04			

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186290  
25 May 2004 6:46 am  
25 May 2004 6:46 am  
000000 - 0000 0.00

65595

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L194 BEAVER BULK  
T194

Contract: 04-01-868  
Reference: 65595

Inbound - Disposal  
Duval / FL

Gross Weight 78,680.00 LB  
Stored Tare Weight 30,280.00 LB  
Net Weight 48,400.00 LB 24.20 TN

Quantity	Unit	Description	Rate	Tax	Total
24.20	TN	01 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Kristy

Driver Walter H. [Signature]

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186427  
25 May 2004 12:45 pm  
25 May 2004 12:45 pm  
000000 0000 0.00

65596

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L162 BEAVER BULK  
L162T

Contract: 04-01-868  
Reference: 65596 HAWKINS PROPERTY

Inbound - Disposal  
Duval / FL

02 Gross Weight 84,780.00 LB  
Stored Tare Weight 26,500.00 LB  
Net Weight 58,280.00 LB 29.14 TN

Quantity	Unit	Description	Rate	Tax	Total
29.14	TN	01 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: TAMMY TYRE

Driver [Signature]



WASTE MANIFEST

# L194

County & State of Origin Duval / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes ___ No	Non-Friable Asbestos Yes ___ No <input checked="" type="checkbox"/>	Friable Asbestos Yes ___ No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered
Vehicle Lic # or Cont ID #		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65595		
Generator	1. Work Site Name & Address HAWKINS PROPERTY NAS Jacksonville JACKSONVILLE, FL. 32212				Work Site Telephone # 843/294-7023		
	2. Generator Name & Address NAS JAX 6500 ROUSEVELT BLVD. JAX, FL. 32212-5000				Generator Telephone # (904) 542-2451 X-10		
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil			4. Containers Number 1	Type DT	5. Total Tons 24.5 TONS	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification:		Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.				
	Type/Print Name & Title FRANK SIBONI PETROLEUM MANAGER		Signature Required <i>Frank Siboni</i>			Month Day Year May 24, 2004	
Transporters	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL.			Transporter #1 Telephone # 904/362-1185	Date of Pick-Up Month Day Year		
	Type/Print Name & Title <i>William H Olson</i>			Signature Required <i>William H Olson</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #	Date of Pick-Up Month Day Year		
	Type/Print Name & Title			Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC. 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit #			Special Instructions (229) 241-8440			
	Type/Print Name <i>Kristy Black</i>		Signature Required <i>Kristy Black</i>		Disposal Date Month Day Year <i>5/25/04</i>		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

# L-1162

County & State of Origin Duval / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered
Vehicle Lic # or Cont ID #		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65596		
Generator	1. Work Site Name & Address NAS Jacksonville Orange Park, FL JACKSONVILLE 32212				Work Site Telephone # 843/294-7023		
	2. Generator Name & Address Same NAS JACKSONVILLE 6500 ROOSEVELT BLVD. JAX, FL. 32212-5000				Generator Telephone # (904) 542-2451 X-10		
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil				4. Containers Number 1	Type DT	5. Total Tons 26 TONS
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title FRANK SIGOVA PETROLEUM MANAGER		Signature Required <i>Frank Sigova</i>			Month Day Year	
Transporters	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL				Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year
	Type/Print Name & Title <i>D. Wotheay</i>				Signature Required <i>D. Wotheay</i>		
	9. Transporter #2 Name and Address				Transporter #2 Telephone #		Date of Pick-Up Month Day Year
	Type/Print Name & Title				Signature Required		
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440				Special Instructions		
	Type/Print Name Tammy Tyre		Signature Required <i>Tammy Tyre</i>			Disposal Date Month Day Year 5-25-04	

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186349  
25 May 2004 9:38 am  
25 May 2004 9:38 am  
000000 0000 0.00

65597

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L120  
121

BEAVER BULK

Contract: 04-01-868  
Reference: 65597 JAX HAWKINS SITE

Inbound - Disposal  
Duval / FL

02 Gross Weight 81,040.00 LB  
Stored Tare Weight 28,840.00 LB  
Net Weight 52,200.00 LB 26.10 TN

Quantity	Unit	Description	Rate	Tax	Total
26.10	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver *Trp*

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186344  
25 May 2004 9:28 am  
25 May 2004 9:28 am  
000000 0000 0.00

65598

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L300  
8005

BEAVER BULK TRUCKING

Contract: 04-01-868  
Reference: 65598

Inbound - Disposal  
Duval / FL

02 Gross Weight 82,800.00 LB  
Stored Tare Weight 32,000.00 LB  
Net Weight 50,800.00 LB 25.40 TN

Quantity	Unit	Description	Rate	Tax	Total
25.40	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver *Paula*



WASTE MANIFEST

#L120

County & State of Origin Duval FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes ___ No	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No	Friable Asbestos Yes <input checked="" type="checkbox"/> No	Date Loaded	Date Delivered
Vehicle Lic # or Cont ID #		Waste Acceptance Form # 04-01-368	Total Tare Weight		Manifest # 01 - 001 - 65597		
Generator	1. Work Site Name & Address NAS Jacksonville Orange Park, FL Jacksonville, FL 32212				Work Site Telephone # 843/294-7023		
	2. Generator Name & Address Same NAS JAX Hawkins Site 6500 Roosevelt Blvd JAX, FL 32212-5000				Generator Telephone # 904-542-2451 x 10		
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil			4. Containers Number 1	Type DT	5. Total Tons 25 TONS	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER		Signature Required <i>Frank Sigona</i>			Month Day Year	
Transporters	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL			Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year 05-26-2008	
	Type/Print Name & Title CARL Vrederveld			Signature Required <i>Carl Vrederveld</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
	Type/Print Name & Title			Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440			Special Instructions			
	Type/Print Name Tammy Tyre		Signature Required <i>Tammy Tyre</i>		Disposal Date Month Day Year 5-25-04		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

L-300

County & State of Origin Duvall / FL		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered 5/25/04
Vehicle Lic # or Cont ID #		Waste Acceptance Form # 04-01-868	Total Tare Weight		Manifest # 01 - 001 - 65598		
Generator	1. Work Site Name & Address NAS Jacksonville Orange Park, FL Hawkins Property Jacksonville, FL 32212				Work Site Telephone # 843/294-7023		
	2. Generator Name & Address Same NAS JAX 6500 Roosevelt Blvd JAX, FL 32212-5000				Generator Telephone # 904 - 542 - 2451 x10		
	3. Description of Materials Non-Hazardous Petroleum Contaminated Soil			4. Containers Number 1	Type DT	5. Total Tons 24.5 TONS	
	6. Special Handling Instructions / Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title FRANK SIGONA PETROLEUM MANAGER		Signature Required <i>Frank Sigona</i>			Month Day Year	
Transporters	8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL			Transporter #1 Telephone # 904/362-1185	Date of Pick-Up Month Day Year		
	Type/Print Name & Title BILL WILLIS			Signature Required <i>Bill Willis</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #	Date of Pick-Up Month Day Year		
	Type/Print Name & Title			Signature Required			
Disposal Facility	10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440			Special Instructions			
	Type/Print Name Paula Henderson		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year 5/25/04		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186350  
25 May 2004 9:40 am  
25 May 2004 9:40 am  
000000 0000 0.00

65599

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L236  
L2

BEAVER BULK

Contract: 04-01-868  
Reference: 65599 HAWKINS PROPERTY

Inbound - Disposal  
Duval / FL

02 Gross Weight 82,400.00 LB  
Stored Tare Weight 27,560.00 LB  
Net Weight 54,840.00 LB 27.42 TN

Quantity	Unit	Description	Rate	Tax	Total
27.42	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver

*Bill Deen*

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186359  
25 May 2004 10:04 am  
25 May 2004 10:04 am  
000000 0000 0.00

65600

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L266  
T266

BEAVER BULK TRUCKING

Contract: 04-01-868  
Reference: 65600

Inbound - Disposal  
Duval / FL

02 Gross Weight 88,320.00 LB  
Stored Tare Weight 27,500.00 LB  
Net Weight 60,820.00 LB 30.41 TN

Quantity	Unit	Description	Rate	Tax	Total
30.41	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver

*Van Gortel*



WASTE MANIFEST

L-236 L2

County & State of Origin <i>Duval / FL</i>		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No	Non-MSW <input checked="" type="checkbox"/> Yes ___ No	Non-Friable Asbestos Yes ___ No <input checked="" type="checkbox"/>	Friable Asbestos Yes ___ No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered
Vehicle Lic # or Cont ID #		Waste Acceptance Form # <i>04-01-868</i>	Total Tare Weight		Manifest # <b>01 - 001 - 65599</b>		
<b>Generator</b>	1. Work Site Name & Address <i>HAWKINS PROPERTY</i> NAS Jacksonville <i>Orange Park, FL Jacksonville, FL 32212</i>				Work Site Telephone # <i>343/294-7023</i>		
	2. Generator Name & Address <i>Same</i> <i>NAS JAX</i> <i>6500 Roosevelt Blvd</i> <i>JAX, FL 32212-5000</i>				Generator Telephone # <i>(904) 542-2451 X-10</i>		
	3. Description of Materials <i>Non-Hazardous Petroleum Contaminated Soil</i>			4. Containers Number <i>1</i>	Type <i>DT</i>	5. Total Tons <i>24 TONS</i>	
	6. Special Handling Instructions/Additional Information						
	7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.						
	Type/Print Name & Title <i>FRANK SIGONA</i> <i>PETROLEUM MANAGER</i>		Signature Required <i>Frank Sigona</i>			Month Day Year	
<b>Transporters</b>	8. Transporter #1 Name and Address <i>BEAVER BULK TRUCKING</i> <i>LIVE OAK, FL</i>			Transporter #1 Telephone # <i>904/362-1185</i>		Date of Pick-Up Month Day Year	
	Type/Print Name & Title <i>Bill Green</i>			Signature Required <i>Bill Green</i>			
	9. Transporter #2 Name and Address			Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
	Type/Print Name & Title			Signature Required			
<b>Disposal Facility</b>	10. Disposal Facility Name, Address & Telephone # <i>Onyx Pecan Row Landfill, LLC</i> <i>2995 Wetherington Lane • Valdosta, GA 31601-1109</i> <i>092-019D (MSWL)</i> <i>GA DER Permit #</i> <i>(229) 241-8440</i>			Special Instructions			
	Type/Print Name <i>Tammy Tyre</i>		Signature Required <i>Tammy Tyre</i>		Disposal Date Month Day Year <i>5-25-04</i>		

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

ORIGINAL - RETURN TO GENERATOR



WASTE MANIFEST

L-2660

County & State of Origin <i>Duval / FL</i>		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Friable Asbestos Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date Loaded	Date Delivered <i>5/25/04</i>
Vehicle Lic # or Cont ID #	Waste Acceptance Form # <i>04-01-868</i>	Total Tare Weight			Manifest # <b>01 - 001 - 65600</b>		
1. Work Site Name & Address <i>Hawkins Property</i> NAS Jacksonville <del>Orange Park, FL</del> <i>Jacksonville FL 32212</i>					Work Site Telephone # 843/294-7023		
2. Generator Name & Address <i>NAS JAX</i> Same <i>6500 Reussouck Blvd</i> <i>JAX FL 32212-5000</i>					Generator Telephone # <i>904-542-2451 x10</i>		
3. Description of Materials				4. Containers Number	Type	5. Total Tons	
Non-Hazardous Petroleum Contaminated Soil				1	DT	25 TONS	
6. Special Handling Instructions/Additional Information							
7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title <i>Assistant Manager</i>				Signature Required <i>[Signature]</i>		Month Day Year <i>5-25-04</i>	
8. Transporter #1 Name and Address BEAVER BULK TRUCKING LIVE OAK, FL				Transporter #1 Telephone # 904/362-1185		Date of Pick-Up Month Day Year	
Type/Print Name & Title <i>VAN Garbett</i>				Signature Required <i>[Signature]</i>			
9. Transporter #2 Name and Address				Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
Type/Print Name & Title				Signature Required			
10. Disposal Facility Name, Address & Telephone # Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440				Special Instructions			
Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year <i>5/25/04</i>			

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186357  
25 May 2004 10:02 am  
25 May 2004 10:02 am  
000000 0000 0.00

65601

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L248 BEAVER BULK  
T249

Contract: 04-01-868  
Reference: 65601

Inbound - Disposal  
Duval / FL

02 Gross Weight 85,000.00 LB  
Stored Tare Weight 28,480.00 LB  
Net Weight 56,520.00 LB 28.26 TN

Quantity	Unit	Description	Rate	Tax	Total
28.26	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver *[Signature]*

Pecan Row Landfill  
2995 Wetherington Lane  
Valdosta, GA 31601-1109

Ticket: P4186378  
25 May 2004 10:45 am  
25 May 2004 10:45 am  
000000 0000 0.00

65603

000868  
NUTEK AND ASSOCIATES  
PO BOX 722

Vehicle: L198 BEAVER BULK  
198

Contract: 04-01-868  
Reference: 65603

Inbound - Disposal  
Duval / FL

02 Gross Weight 88,560.00 LB  
Stored Tare Weight 26,500.00 LB  
Net Weight 62,060.00 LB 31.03 TN

Quantity	Unit	Description	Rate	Tax	Total
31.03	TN	C1 Contaminated Soil/Debris			

Net Amount:  
Check No:

To the best of my knowledge this truck contains  
no hazardous or unacceptable waste.

Weighmaster: Paula

Driver *[Signature]*



WASTE MANIFEST

L-248

County & State of Origin <i>Duval, FL</i>		Municipal Solid Waste (MSW) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-MSW Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Non-Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Friable Asbestos Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date Loaded	Date Delivered
Vehicle Lic # or Cont ID #	Waste Acceptance Form # <i>04-01-868</i>	Total Tare Weight			Manifest # <b>01 - 001 - 65601</b>		
1. Work Site Name & Address <i>NAS Jacksonville Orange Park, FL Jacksonville 32212</i>					Work Site Telephone # <i>843/294-7023</i>		
2. Generator Name & Address <i>NAS Jacksonville 6500 Roosevelt Blvd Jacksonville, FL 32212-5000</i>					Generator Telephone # <i>904-542-2451 x 10</i>		
3. Description of Materials <b>Non-Hazardous Petroleum Contaminated Soil</b>				4. Containers Number <b>1</b>	Type <b>DT</b>	5. Total Tons <b>26 TONS</b>	
6. Special Handling Instructions/Additional Information							
7. Generator's Certification: Generator hereby certifies that the waste material loaded and transported: (a) does not contain regulated quantities of Hazardous Waste; and (b) is Municipal Solid Waste or Non-MSW Waste, as defined on the reverse side.							
Type/Print Name & Title <i>Arthur Mosky, Elected</i>				Signature Required <i>[Signature]</i>		Month Day Year <b>5-25-04</b>	
8. Transporter #1 Name and Address <b>BEAVER BULK TRUCKING LIVE OAK, FL.</b>				Transporter #1 Telephone # <b>904/362-1185</b>		Date of Pick-Up Month Day Year	
Type/Print Name & Title <i>DANIEL MATTHEWS</i>				Signature Required <i>[Signature]</i>			
9. Transporter #2 Name and Address				Transporter #2 Telephone #		Date of Pick-Up Month Day Year	
Type/Print Name & Title				Signature Required			
10. Disposal Facility Name, Address & Telephone # <b>Onyx Pecan Row Landfill, LLC 2995 Wetherington Lane • Valdosta, GA 31601-1109 092-019D (MSWL) GA DER Permit # (229) 241-8440</b>				Special Instructions			
Type/Print Name <i>Paula Henderson</i>		Signature Required <i>Paula Henderson</i>		Disposal Date Month Day Year <b>5/25/04</b>			

ALL NON-MSW TRANSPORTED FOR DISPOSAL MUST BE ACCOMPANIED BY: (a) this manifest; (b) a non-MSW Waste Acceptance Form; and (c) a Certification thereof. No waste will be accepted for disposal if it contains regulated quantities of Hazardous Waste.

## **Appendix C**

### **Daily Reports for Production, Contractor Quality Control, and Health and Safety**



# CONTRACTOR QUALITY CONTROL REPORT

DATE 24 May 04

REPORT NO 001

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE CONTRACT NO N62467-02-D-0483/0003 CONTRACT TITLE NAS JAX Hawkins Site Remediation

<b>PREPARATORY</b>	WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.	
	Schedule Activity No.	Definable Feature of Work
	13	Excavation, Backfill, Restoration
		Index #

<b>INITIAL</b>	WAS INITIAL PHASE WORK PERFORMED TODAY? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.	
	Schedule Activity No.	Definable Feature of Work
	13	Excavation, Backfill, Restoration
		Index #

<b>FOLLOW-UP</b>	WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	WORK COMPLIES WITH SAFETY REQUIREMENTS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	13	Excavation, Backfill, Restoration
		Scrub and magnolia tree removed, excavation with direct loading into eighteen 25 ton trailers for T&D
		No testing this day.
	Previous submittal of backfill lad analysis	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None noted		NA

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.	
Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

*Gary L. Vogel song*  
 AUTHORIZED QC MANAGER AT SITE

24 May 04  
 DATE

## GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT	
Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER

DATE



### DAILY SAFETY TAILGATE MEETING FORM

**Project Number:** 2003-166  
**Site Name:** NAS JAX Hawkins Site  
**Date:** 24 May 04  
**SSHO:** Gary L. Vogelsong

**ITEMS TO BE DISCUSSED WITH ALL PROJECT PERSONNEL:**

- Head and eye protection required on job – (hard hat, safety glasses)
- Other protective equipment required – (steel-toed boots, ear plugs, gloves, chemicals suit, etc.)
- Respiratory protective equipment, if required by Site conditions
- Materials expected to be encountered on job and exposure limits (gasoline, diesel fuel, hydraulic fluids, waste oil, lubricants, etc., and their respective OELs)
- Work zones and methods of security
- Decontamination procedures (discuss cleaning of all contaminated equipment and personnel hygiene)
- General safe work practices
- Emergency procedures (fire extinguishers, first aid, gas detectors, hospital directions, and emergency numbers)

**Other Items Discussed:**

Decon of trucks and equipment – Levels of Contamination (low, medium,high)

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Fire Extinguishers – First Aid Kits – Trucks entering and leaving roadway

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Emergency 911 (cell phone notify as to location at Jacksonville, FL/103<sup>rd</sup> and I-295)

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The following personnel were present for discussion of the topics listed above and have read and understand the contents of this Site Safety and Health Plan.

NAME	SIGNATURE	COMPANY	DATE
Gary L. Vogelsong	(Signature on File)	TN&Associates	24 May 04
Tom York	(Signature on File)	CBI	24 May 04
John Stewart	(Signature on File)	CBI	24 May 04
Mike Berry	(Signature on File)	CBI	24 May 04
Charles Netz	(Signature on File)	TtNUS	24 May 04
Art Mosely	(Signature on File)	ROICC	24 May 04
Roberto Santos	(Signature on File)	ROICC	24 May 04
Frank Sigona	(Signature on File)	ROICC	24 May 04
Rusty Dahms	(Signature on File)	ROICC	24 May 04

<b>CONTRACTOR PRODUCTION REPORT</b>				DATE	
<small>(ATTACH ADDITIONAL SHEETS IF NECESSARY)</small>				25 May 04	
CONTRACT NO N62467-02-D-0483/0003		TITLE AND LOCATION NAS JAX Hawkins Site Remediation		REPORT NO 002	
CONTRACTOR TN&Associates, Inc.			Site Manager Gary L. Vogelsong		
AM WEATHER Clear and Warm		PM WEATHER Clear and Quite Warm		MAX TEMP (F) 93	MIN TEMP (F) 76
<b>WORK PERFORMED TODAY</b>					
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
13	Excavation – Gary L. Vogelsong	TN&A	1	Professional	10
13	Excavation – Tom York	CBI	1	Professional	8
13	Excavation - Operators	CBI	2	Operators	18
<b>JOB SAFETY</b>		WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS
		WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			TOTAL WORK HOURS FROM START OF CONSTRUCTION
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			68
Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED				<input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET.
13	Tailgate Safety Meeting conducted				
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)					
Schedule Activity No.	Submittal #	Description of Equipment/Material Received			
13		38 loads (est. 18 cy/load) backfill			
CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.					
Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)			Hours Used
13	NEFF	Excavator			9
13	NEFF	Front Loader			9
Schedule Activity No.	REMARKS				
13	Excavation – 7 (approximately 25 ton) loads transported to landfill.				
<i>Gary L. Vogelsong</i> CONTRACTOR/SUPERINTENDENT			25 May 04 DATE		

# CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 25 May 04  
 REPORT NO 002

PHASE CONTRACT NO N62467-02-D-0483/0003 CONTRACT TITLE NAS JAX Hawkins Site Remediation

<b>PREPARATORY</b>	WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.	
	Schedule Activity No.	Definable Feature of Work
	<u>13</u>	<u>Excavation, Backfill, Restoration</u>
		Index #

<b>INITIAL</b>	WAS INITIAL PHASE WORK PERFORMED TODAY? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.	
	Schedule Activity No.	Definable Feature of Work
	<u>13</u>	<u>Excavation, Backfill, Restoration</u>
		Index #

<b>FOLLOW-UP</b>	WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	WORK COMPLIES WITH SAFETY REQUIREMENTS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	<u>13</u>	<u>Excavation, Backfill, Restoration</u>
		<u>Excavation direct load-out completed</u>
		<u>Backfill placement and compaction completed</u>
		<u>No testing this day</u>
	<u>Previous submittal of backfill lad analysis</u>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	<u>None noted</u>		<u>NA</u>

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO", Manuf. Rep On-Site, etc.)	
Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

*Gary L. Vogelsohn*      25 May 04  
 AUTHORIZED QC MANAGER AT SITE      DATE

## GOVERNMENT QUALITY ASSURANCE REPORT

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT	
Schedule Activity No.	Description

\_\_\_\_\_  
 GOVERNMENT QUALITY ASSURANCE MANAGER      DATE



<b>CONTRACTOR PRODUCTION REPORT</b>				DATE			
(ATTACH ADDITIONAL SHEETS IF NECESSARY)				26 May 04			
CONTRACT NO N62467-02-D-0483/0003		TITLE AND LOCATION NAS JAX Hawkins Site Remediation		REPORT NO 003			
CONTRACTOR TN&Associates, Inc.			Site Manager Gary L. Vogelsong				
AM WEATHER Clear and Warm		PM WEATHER Clear and Quite Warm		MAX TEMP (F) 93	MIN TEMP (F) 74		
<b>WORK PERFORMED TODAY</b>							
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
13	Excavation – Gary L. Vogelsong	TN&A	1	Professional	5		
13	Excavation – Tom York	CBI	1	Professional	1		
13	Excavation - Operators	CBI	2	Operators	6		
<b>JOB SAFETY</b>	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	12
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	68
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	80
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		
Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED				<input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET.		
13	Tailgate Safety Meeting conducted						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)							
Schedule Activity No.	Submittal #	Description of Equipment/Material Received					
CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.							
Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)				Hours Used	
13	NEFF	Excavator - demobilized				0	
13	NEFF	Front Loader - demobilized				0	
Schedule Activity No.	REMARKS						
13	Backfilled area hand dressed, seeded, and hay/straw spread.						
<i>Gary L. Vogelsong</i> CONTRACTOR/SUPERINTENDENT				26 May 04 DATE			

# CONTRACTOR QUALITY CONTROL REPORT

DATE 26 May 04  
REPORT NO 003

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE CONTRACT NO N62467-02-D-0483/0003 CONTRACT TITLE NAS JAX Hawkins Site Remediation

<b>PREPARATORY</b>	WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.	
	Schedule Activity No.	Definable Feature of Work
	13	Excavation, Backfill, Restoration

<b>INITIAL</b>	WAS INITIAL PHASE WORK PERFORMED TODAY? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.	
	Schedule Activity No.	Definable Feature of Work
	13	Excavation, Backfill, Restoration

<b>FOLLOW-UP</b>	WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	WORK COMPLIES WITH SAFETY REQUIREMENTS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
	Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	13	Excavation, Backfill, Restoration
		Excavation direct load-out completed
		Backfill placement and compaction completed
		Compaction testing by Universal Engineering Sciences – 96.4% and 101.0%

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None noted		NA

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO", Manuf. Rep On-Site, etc.)	
Schedule Activity No.	Description

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

*Gary L. Vogelsong*  
AUTHORIZED QC MANAGER AT SITE

26 May 04  
DATE

## GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT	
Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER

DATE



**DAILY SAFETY TAILGATE MEETING FORM**

**Project Number:** 2003-166  
**Site Name:** NAS JAX Hawkins Site  
**Date:** 26 May 04  
**SSHO:** Gary L. Vogelsong

**ITEMS TO BE DISCUSSED WITH ALL PROJECT PERSONNEL:**

- Head and eye protection required on job – (hard hat, safety glasses)
- Other protective equipment required – (steel-toed boots, ear plugs, gloves, chemicals suit, etc.)
- \_\_\_\_\_ Respiratory protective equipment, if required by Site conditions
- \_\_\_\_\_ Materials expected to be encountered on job and exposure limits (gasoline, diesel fuel, hydraulic fluids, waste oil, lubricants, etc., and their respective OELs)
- \_\_\_\_\_ Work zones and methods of security
- \_\_\_\_\_ Decontamination procedures (discuss cleaning of all contaminated equipment and personnel hygiene)
- General safe work practices
- Emergency procedures (fire extinguishers, first aid, gas detectors, hospital directions, and emergency numbers)

**Other Items Discussed:**

Emergency 911 (cell phone notify as to location at Jacksonville, FL/103<sup>rd</sup> and I-295)

Fire Extinguishers – First Aid Kits

The following personnel were present for discussion of the topics listed above and have read and understand the contents of this Site Safety and Health Plan.

<b>NAME</b>	<b>SIGNATURE</b>	<b>COMPANY</b>	<b>DATE</b>
Gary L. Vogelsong	(Signature on File)	TN&Associates	26 May 04
John Steward	(Signature on File)	CBI	26 May 04
Mike Berry	(Signature on File)	CBI	26 May 04

## **Appendix D**

# **Compaction Report for Backfill Material**



**UNIVERSAL  
ENGINEERING SCIENCES**

Consultants in: Geotechnical Engineering • Environmental Sciences •  
Construction Materials Testing • Threshold Inspection

UES Project No. 92033-001-01  
UES Report No. 23534  
Date: 6/02/04

5561 Florida Mining Boulevard South • Jacksonville, FL 32257 • (904) 296-0757 • Fax (904) 296-0748

Report  
of  
**IN-PLACE DENSITY TESTS**

**Client:** Cliff Berry, Inc.  
P.O. Box 13079  
Ft. Lauderdale, FL 33316

**Attention:** Dan Alford

**Project:** Hawkins - Jacksonville, Florida

**Area Tested:** Fill

**Course:** Subgrade Fill

**Type of Test:** Field: ASTM D-2922  
Laboratory: ASTM D-1557

**Date of Test:** 5/26/04

**Requirements:** 90% compaction of maximum density.

*Reference: 0= Top of Finished Grade		Laboratory Test Results		Field Test Results			
Location of Test	Depth of Test*	Maximum Density Dry Lbs/CuFt	Optimum Moisture Percent	Density Dry Lbs/CuFt	Field Moisture Percent	Maximum Density Percent	Test Pass or Fail
1. 100' South 103 <sup>rd</sup> Street	0-12"	102.8	13.3	99.0	16.8	96.4	Pass
2. 120' South 103 <sup>rd</sup> Street	0-12"	102.8	13.3	103.8	17.4	100+	Pass

Technician: J. Calhoun

Rick G. Kushner, P.E.  
P.E. No. 38705  
UNIVERSAL ENGINEERING SCIENCES

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