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SITE ASSESSMENT REPORT ADDENDUM FOR OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION NAS WHITING FIELD FL

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Site Assessment Report Addendum for Oil/Water Separator and Product Line Investigation

Naval Air Station Whiting Field
Milton, Florida

Southern Division
Naval Facilities Engineering Command

Contract Number N62467-94-D-0888

Contract Task Order 0037

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SITE ASSESSMENT REPORT ADDENDUM
FOR
OIL/WATER SEPARATOR AND
PRODUCT LINE INVESTIGATION

NAVAL AIR STATION WHITING FIELD
MILTON, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

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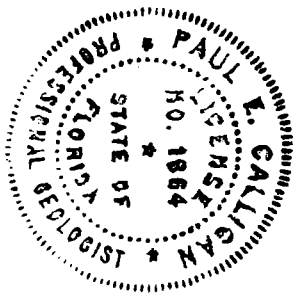
PROFESSIONAL CERTIFICATION

Site Assessment Report Addendum
Oil/Water Separator and Product Line Investigation
Naval Air Station Whiting Field
Milton, Florida

This Site Assessment Report Addendum was prepared under the direct supervision of the undersigned geologist using geologic and hydrogeologic principles standard to the profession at the time the report was prepared. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of additional information on the assessment described in this report. This report was developed specifically for the referenced site and should not be construed to apply to any other site.



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8/29/01
Date

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EXECUTIVE SUMMARY

Tetra Tech NUS, Inc. (TtNUS) has been authorized by Southern Division, Naval Facilities Engineering Command to prepare a site assessment report (SAR) addendum for the oil/water separator and product line investigation at Naval Air Station (NAS) Whiting Field, in Santa Rosa County, Florida. Site investigations were conducted at NAS Whiting Field at the oil/water separator site near Building 2993 and three JP5 product line sites designated as:

- The product line pump station
- The product line junction
- The product line dispensing facility

This SAR addendum has been prepared for these investigation sites to:

- Address comments included in the technical review letter issued by the Florida Department of Environmental Protection (FDEP) on September 29, 1998, including a summary of the additional work performed by TtNUS and the resulting data.

- Document the remedial actions conducted at the oil/water separator site, the product line pump station, and the product line dispensing facility.

- Provide a summary of the site assessment investigation conducted at the product line junction site, which was not reported in the SAR, and provide the conclusions and recommendations based on the data collected at the site.

- Make recommendations regarding the status of each of the investigation sites, including the need for further investigations or remedial actions at each of the sites.

SITE ASSESSMENT ACTIVITIES

Oil/Water Separator

A site assessment was conducted at the oil/water separator site to determine the extent of soil impact in the vadose zone at the site. As an interim remedial action (IRA), approximately 1,000 cubic yards of soil were excavated from the site in October 1998 for treatment and disposal. Following the IRA, confirmation soil samples, for offsite laboratory analysis, were collected to

verify the soil cleanup target levels (SCTLs) were achieved. One monitoring well was installed at the site and sampled.

Product Line Dispensing Facility

The product line dispensing facility was investigated as part of the product line site assessment. A soil-removal IRA was conducted in January 2000. Samples were collected and analyzed from the stockpiles of soil removed from the excavation. Concentrations of petroleum constituents in the soil samples were below SCTLs and the stockpiled soil was returned to the excavation. One monitoring well was installed at the site and sampled.

Product Line Pump Station

The product line pump station was investigated as part of the product line site assessment. A soil removal IRA was conducted in October 1998 by Public Works Center (PWC) Pensacola, which removed contaminated soil from adjacent to Building 2893, but not from underneath the building. A second IRA, including demolition of Building 2893, was conducted in February 2000 and additional soil was removed from the site.

Product Line Junction

The product line junction was investigated as part of the product line site assessment, but the site was considered for transfer to the Installation Restoration Program (IRP) and the results of the investigation were not presented in the SAR. Two monitoring wells were installed at the site and sampled. Additional soil assessment was conducted at the site following the decision to evaluate site soil under the petroleum storage tank management program and site groundwater as part of the IRP.

RECOMMENDATIONS

The following are the recommended courses of action for each of the sites investigated:

- Oil/Water Separator Site – Soil analytical data collected from the site following the IRA indicate that petroleum constituents in soil remaining at the site are at concentrations below SCTLs. Therefore no further action should be required due to petroleum impact to vadose zone soil at the site. The groundwater cleanup target level (GCTL) exceedance of ethylene dibromide (EDB) in site groundwater should be evaluated under the base wide groundwater investigation conducted under the IRP.

- Product Line Dispensing Facility - Concentrations of petroleum constituents in the soil samples collected from the stockpiles of soil excavated from the site were below SCTLs. The stockpiled soil was returned to the excavation. Petroleum constituents were not detected at concentrations above standard laboratory detection limits in the groundwater sample collected at the site. No further action should be required due to petroleum impact to soil or groundwater at the site.

- Product Line Pump Station - Concentrations of petroleum constituents in the soil samples collected following the IRA were below SCTLs. Therefore no further action should be required due to petroleum impact to vadose zone soil at the site. Depth of vadose zone impact was limited to approximately 13 feet below land surface (bls) and groundwater was not encountered during site assessment investigations. Therefore, evaluation of site groundwater is not recommended at this site.

- Product Line Junction - A remedial action plan (RAP) should be prepared to address petroleum impact to vadose zone soil at this site. Site groundwater should be evaluated under the base-wide groundwater investigation conducted under the IRP.

1.0 INTRODUCTION

Tetra Tech NUS, Inc. (TtNUS), under contract to the Department of Navy, Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), is submitting this Site Assessment Report (SAR) Addendum to document site investigations and remedial actions performed at sites at Naval Air Station (NAS) Whiting Field, located near Milton, Florida. Site activities were conducted at the oil/water separator site near Building 2993 and three JP5 product line sites (Figure 1) designated as:

- The product line pump station
- The product line junction, located near the intersection of Hornet and Saratoga streets, and
- The product line dispensing facility

This SAR Addendum was prepared on behalf of the Navy under contract No. N62467-94-D-0888.

1.1 SITE INVESTIGATION HISTORY

Previously, a contamination assessment report (CAR) had been prepared for the oil/water separator site (W. Grady Swann, Inc., 1995) and a product line closure assessment report had been prepared for the JP5 product line (Jim Stidham and Associates, Inc., 1996). To collect additional data for the SAR, field investigations were conducted at the oil/water separator site and the three product line sites.

In July 1998, the SAR for the oil/water separator and product line investigation (Brown and Root Environmental, 1998) was submitted to the Florida Department of Environmental Protection (FDEP) for review. The SAR discussed the field investigations and results for oil/water separator site, the product line pump station, and the product line dispensing facility. The preliminary data from the product line junction site suggested that the release from this site had co-mingled with the North Field Industrial Area petroleum plume. Therefore, it was determined that further investigation and reporting for the product line junction site should be conducted as part of the Installation Restoration Program (IRP) investigation of the North Field Industrial Area.

A technical review letter was issued by the FDEP on September 29, 1998 that provided comments on the SAR and requested further assessment and additional information. A copy of the letter is provided in Attachment A. Monitoring wells were installed and groundwater samples were collected at the oil/water separator site and the product line dispensing facility. Additional soil evaluation was also conducted at the product line junction.

1.2 INTERIM REMEDIAL ACTIONS

Based on the data collected during the SAR investigation, interim remedial action (IRA) soil removals were conducted at the oil/water separator site and the product line pump station in October 1998 by the Navy's Public Works Center (PWC) Pensacola (Navy Public Works Center Pensacola, 1998a and 1998b). Confirmation soil samples were collected by TtNUS following the IRA at the oil/water separator site.

Soil removal IRAs and confirmation soil sampling were conducted at the product line pump station and the product line dispensing facility by the Navy's remedial action contractor (RAC) during January and February 2000 (CH2M Hill Constructors, Inc., 2000). Stockpiled soil from the product line dispensing facility excavation was sampled by TtNUS to determine the appropriate disposal alternative.

1.3 SITE ASSESSEMENT REPORT ADDENDUM OBJECTIVES

The objectives of this SAR Addendum are:

- To address comments included in the technical review letter issued by the FDEP on September 29, 1998, including a summary of the additional work performed by TtNUS and the resulting data.

- To document the interim remedial actions conducted at the oil/water separator site, the product line pump station, and the product line dispensing facility.

- To provide a summary of the site assessment investigation conducted at the product line junction site, which was not reported in the SAR, and provide the conclusions and recommendations based on the data collected at the site.

- To make recommendations regarding the status of each of the investigation sites, including the need for further investigations or remedial actions at each of the sites.

2.0 RESPONSES TO FDEP COMMENTS

In July 1998, the SAR for the oil/water separator and product line investigation was submitted to the FDEP for review. A technical review letter was issued by the FDEP on September 29, 1998 that provided comments on the SAR and requested further assessment and additional information (Attachment A). Each of the comments is addressed below.

2.1 COMMENT 1

"Please confirm that the "sludge tank" described in Section 1.2.5 was not a waste oil tank, which would necessitate analysis of soil samples for the contaminants in Table II, Chapter 62-770, FAC. What was the nature of the "sludge"?"

Review of the contamination assessment report prepared for the oil/water separator system (W. Grady Swann, Inc., 1995) indicates that the sludge tank was not used for waste oil disposal. Excerpts from the CAR discussing the system are included in Attachment B. The oil/water separator appears to have been part of the storm water collection and treatment system for the parking area to the west. The description of the system suggests that the sludge tank was an underground storage tank (UST) that was also part of the storm-water treatment system, located upstream of the oil/water separator. Furthermore, data in the closure assessment form (Attachment B) filed with the FDEP at the time of tank closure indicate that the system was not a used oil system and that the sludge "tank" may have in fact been a concrete pad. Additional data were not available specifying the exact operation and contents of the sludge tank. An IRA was conducted at the site to remove contaminated soil and is described in Section 3.0.

2.2 COMMENT 2

"It appears that the soil samples were not taken strictly following the guidance in Chapter 62-770, FAC in that samples were not taken from samples in the low, intermediate and high OVA ranges; however, since the proposed IRA is being based on OVA values, this does not appear to pose a problem. The Navy may want to consider additional soil borings and analyticals, which may help reduce the volume of soil that will be removed."

We agree that the selection at each site of soil samples for offsite analysis did not adhere exactly to the Chapter 62-770, Florida Administrative Code (FAC) specifications. The preliminary planning for the soil removal IRAs was based on the organic vapor analyzer (OVA) data collected during the SAR investigation. During the performance of the IRAs, soil samples from the excavations were screened in the field and confirmatory soil samples were collected for offsite analysis. Additional soil sampling activities conducted during the IRAs are discussed in Section 3.0. The site investigation activities conducted at the product line junction are discussed in Section 4.0.

2.3 COMMENT 3

"According to Figure 3-3, General Information Report for Whiting Field, January 1998, the geology directly under the site consists of interbedded sands, silts and clays with the presence of clay lenses with the first of two general lenses at about 15-20 feet below land surface (bls). Because of this, lateral migration of petroleum products with downward migration is likely. Accordingly, please install a monitoring well which intersects the water table which is situated at the approximately 90 foot bls depth in the vicinity of OSW-SB-05 at the Oil/Water Separator site. Additionally, please install one monitoring well in the vicinity of PDF-SB-09 at the Product Line Dispensing site. Sample and analyse ground water from these wells for volatile and semivolatile petroleum constituents as specified in Table 1 of Chapter 62-770, F.A.C. Please present the results of the analyses in tabular form. Alternatively, if there are IRP program wells in close proximity, I will consider analyses from them. If you choose to utilize any of these wells, please meet with me so that I can review their suitability."

Two water table monitoring wells were installed during May 2000: one at the product line dispensing facility (WHF-PDF-1S) and one at the oil/water separator site (WHF-OWS-1S). The locations of the wells are shown on Figures 2 and 3. WHF-PDF-1S was screened from 100 to 115 feet below land surface (bls). WHF-OWS-1S was screened from 89 feet to 104 feet bls. Groundwater samples were collected and analyzed for volatile organic compounds (VOCs), ethylene dibromide (EDB), polynuclear aromatic hydrocarbons (PAHs), total recoverable petroleum hydrocarbons (TPH), and lead. The analytical results are summarized in Table 1. Field data and laboratory analytical reports are included in Attachment C.

Concentrations of petroleum constituents reported from WHF-PDF-1S were below the groundwater cleanup target levels (GCTLs) established in Chapter 62-777 FAC. EDB was detected in the WHF-OWS-1S groundwater sample (OWSGWMW01S001) at a concentration of 0.040 µg/l, exceeding the GCTL of 0.02 µg/l. An additional groundwater sample (OWSGWMW01S002) was collected from WHF-OWS-1S and analyzed for EDB, PAHs, and TPH to verify the analytical results from the first groundwater sample. The EDB concentration had decreased to 0.028 µg/l, which still exceeded the GCTL. Further investigation of the groundwater at this location should be included in the base-wide groundwater investigation currently being conducted under the IRP.

2.4 COMMENT 4

"The product line that was partially investigated as part of this assessment needs further assessment. I suggest that we meet with Mr. Jim Holland and Ms. Linda Martin at the next NAS Whiting Field Partnering meeting and discuss how we may address this. Additionally, I request that we be prepared at the meeting to show where previous investigation activities have occurred along the pipeline so that we can determine the remaining portions of the pipeline that need assessment."

The length of the JP5 product line was investigated during the product line closure assessment (Jim Stidham and Associates, Inc., 1996). The SAR focused on the areas of the JP5 product line determined to have petroleum impact. Another product line, the AVGAS pipeline, is located in the vicinity of the JP5 product line for part of its length (Figure 4). The AVGAS pipeline has been closed by a certified petroleum storage system

contractor. TtNUS has conducted a closure assessment along the extent of the AVGAS pipeline and prepared a pipeline closure assessment report (TtNUS, 2001).

3.0 INTERIM REMEDIAL ACTIONS

IRA soil removals have been conducted at the oil/water separator site, the product line pump station and product line dispensing facility. Field screening data were used at each site to determine the extent of the excavations. Confirmation soil samples were collected from each of the excavations to verify that remedial goals had been met.

3.1 OIL/WATER SEPARATOR SITE

The oil/water separator, sludge tank, and associated piping were removed from the oil/water separator site in 1996. Tank closure assessment and IRA forms documenting the removal were filed with the FDEP (Brown and Root Environmental, 1998, Appendix C). Approximately 34.45 cubic yards of soil were removed from a 10 feet by 15.5 feet area excavated to a depth of six feet. The excavated soil was transported to a landfill for disposal.

An additional soil removal IRA was conducted at the oil/water separator site by PWC Pensacola in October 1998 (Navy Public Works Center Pensacola, 1998a). Field screening data was collected from 16 soil sampling locations by PWC personnel during the excavation (Figure 5). The extent of the IRA excavation was determined from OVA field screening data. Soils with field screening responses greater than 50 parts per million (ppm) were excavated where feasible and stockpiled for offsite disposal. Approximately 1,000 cubic yards of soil were removed from the excavation and transported to Hudsco, Inc. Thermal Treatment Facility in Pensacola, Florida for disposal (Attachment D). A small area on the east side of Building 2993 and the adjacent paved area, although some of the field screening responses were greater than 50 ppm, was not excavated to avoid structural damage to active facilities. Soil removed from the excavation was stockpiled for future disposal.

Following the soil removal, field screening data was collected from six soil borings advanced at the edges of the IRA excavation (OWS-SB-18, OWS-SB-19, OWS-SB-21, OWS-SB-22, OWS-SB-23, and OWS-SB-24) and one boring located within the excavation boundary (OWS-SB-20). OWS-SB-20 was advanced to a depth below the deepest extent of the IRA excavation. Soil samples from the borings were screened with an OVA following the headspace screening methods specified in the SAR. The results of the soil field screening are shown on Figure 5. The field screening data were used to verify that the remedial goals of the IRA had been met. A summary of the field screening results is provided in Table 2.

A confirmatory soil sample was collected from each soil boring location and submitted to an offsite laboratory for analysis. The confirmatory samples were analyzed for VOCs, PAHs, and TPH (Table 3). The analytical

results for the confirmatory soil analyses are summarized on Figure 6, and the laboratory analytical reports are included in Attachment E. Soil analytical results were evaluated by comparison to the residential direct exposure and leaching soil cleanup target levels (SCTLs) specified in Chapter 62-777 FAC. The reported concentrations of petroleum constituents in the confirmatory soil samples were below SCTLs. Methylene Chloride was reported in four of the confirmatory soil samples at concentrations below the SCTL. These analytical results were flagged by the laboratory as suspected laboratory contamination.

3.2 PRODUCT LINE PUMP STATION

A soil removal IRA was conducted at the product line pump station (Building 2893) by PWC Pensacola during October 1998 (Navy Public Works Center Pensacola, 1998b). Approximately five cubic yards of soil were excavated at the northwest corner of the building and stockpiled for disposal along with the soil from the oil/water separator site. The soil was transported to Hudsco, Inc. Thermal Treatment Facility in Pensacola, Florida for disposal (Attachment D). Field screening data indicated that excessively contaminated soil extended underneath the pump station building. Further excavation was not conducted due to risk of structural damage to the building.

A second IRA, including demolition of Building 2893, was conducted by the RAC at the product line pump station in February, 2000 (CH2M Hill Constructors, Inc., 2000). During this IRA, field screening and confirmation sampling were conducted by the RAC. Approximately 1,600 cubic yards were excavated at the product line pump station. Soil from the excavation was segregated and stockpiled. Clean soil was used to backfill the excavation. Approximately 1,362.41 tons of petroleum contaminated soil were disposed of offsite at Waste Management's Springhill Landfill in Cambellton, Florida. The site map, laboratory data summary, field screening log, and disposal certificates are included in Attachment F.

3.3 PRODUCT LINE DISPENSING FACILITY

During the January, 2000 IRA at the product line dispensing facility (also called the Flightline Fuel Dispensing Area or FFDA), field screening and confirmation sampling were conducted by the RAC (CH2M Hill Constructors, Inc., 2000). Approximately 2,100 cubic yards of soil were excavated at the product line dispensing facility based on the field screening results. Soil from the excavation was stockpiled in two piles, the larger pile was approximately 1,400 cubic yards and the smaller pile was approximately 700 cubic yards. Thirteen confirmation samples were collected from the bottom and the east, south, and west walls of the excavation. Laboratory analytical results indicated that petroleum constituents in the confirmation soil samples were at concentrations below SCTLs. The site map, laboratory data summary, and field screening log prepared by the RAC are included in Attachment F.

Due to the volume of soil generated from the product line dispensing facility excavation, soil samples were collected from the stockpiles for off site laboratory analysis to evaluate disposal alternatives. Soil sample locations were established on the large stockpile at 25-foot intervals measured along the perimeter of the stockpile. Soil samples were collected from the top, middle, and bottom of the stockpile at each stockpile location for offsite analysis. A total of 33 soil samples were collected from the large stockpile. Four soil samples were collected from the small stockpile, one from each quadrant of the stockpile. Laboratory analytical results (Table 4) indicated that petroleum constituents in the stockpile soil samples were at concentrations below SCTLs. The laboratory analytical reports are included in Attachment G.

Two additional confirmation samples (47SP016 and 47SP017) were collected from the north and northeast walls of the excavation, which had not been previously sampled. Laboratory analytical results (Table 4) indicated that petroleum constituents in these confirmation soil samples were at concentrations below SCTLs. The laboratory analytical reports are included in Attachment G. The stockpiled soil was used to backfill the excavation following evaluation of the laboratory analytical results.

4.0 PRODUCT LINE JUNCTION SITE ASSESSMENT

Previously, a product line closure assessment report had been prepared for the JP5 Product Line (Jim Stidham and Associates, Inc., 1996). To collect additional data for the SAR, field investigations were conducted at the product line junction. The SAR was issued in July 1998 (Brown and Root Environmental, 1998). The preliminary data indicated that petroleum impact had occurred at the site and the site was considered for transfer to the IRP investigation of the North Field Industrial Area. Following review of the SAR for the other product line sites, it was determined that groundwater impact at the product line junction site could be addressed as part of the IRP investigation of the North Field Industrial Area, and that soil impact should be further evaluated under the UST program. Additional soil data were collected at the product line junction site in May 2000 to complete the site assessment. The findings of the product line junction investigations are discussed below.

4.1 SITE HYDROGEOLOGY

The type and distribution of sediments encountered at the product line junction were similar in nature to those previously described in the SAR for the other product line sites. The sediments from near surface to approximately 3 to 5 feet bls consisted of a fine to medium grained quartz sand, light brown to yellowish in color with some silt. Underlying the sand is an alternating sequence of sandy clay, clay and clayey sand, which extends to a depth of approximately 25 feet bls. These sediments have a mottled appearance and range in color from reddish brown to light brown to gray, with a medium stiff density and a slightly plastic consistency. The series is predominantly dry with some zones noted as moist. Below 25 feet the sediments consisted of very fine- to fine-grained sand ranging in color from yellowish orange to red. These sediments were noted as dry. Soil boring logs are included as Attachment H.

Continuous low-permeability horizons acting as perching or confining layers were not reported in the study area. Soils with petroleum odors and/or staining were noted at various depths in several of the borings. Depth to groundwater was approximately 85 to 90 feet bls.

4.2 SOIL QUALITY

Field screening data was collected from 26 soil borings advanced at the site. Soil samples collected from the borings were screened with an OVA following the headspace screening methods specified in the SAR. A plan view of the soil field screening results is shown on Figure 7. Vertical profiles were prepared showing the field screening results from selected soil boring locations (Figure 8). The east/west cross section A-A' (Figure 9) is parallel to the JP5 product line. The two north/south cross sections, B-B' and C-C', are located to the

west (Figure 10) and east (Figure 11) of Saratoga Street. The field screening data were used to determine the extent of the site assessment investigation and to select appropriate samples for offsite confirmatory analyses. A summary of the field screening results is provided in Table 5.

Confirmatory soil samples representing low, medium, and high field screening responses were submitted to offsite laboratories for analysis during the November 1997 and May 2000 field investigations. The samples collected during November 1997 were analyzed for volatile organic aromatics (VOAs), methyl tert butyl ether (MTBE), PAHs and TPH. The samples collected during the May 2000 field investigation were analyzed for VOCs, PAHs and TPH. The analytical results for the soil sampling events are summarized in Table 6, and the laboratory analytical reports are included in Attachment I.

Soil analytical results were evaluated by comparison to the residential direct exposure and leaching SCTLs specified in Chapter 62-777, FAC. The confirmatory soil sample from SB-01 had SCTL exceedances for TPH and benzo(a)pyrene (Figure 12). The soil sample from SB-02 had SCTL exceedances for TPH, ethylbenzene, and xylene. The soil sample from SB-11 had SCTL exceedances for ethylbenzene and xylene.

Comparison of the field screening data and the offsite laboratory analytical results indicate that the samples with field screening responses less than 1,500 ppm had concentrations of petroleum constituents below the laboratory method detection limits. Laboratory analytical results from three of the four samples with field screening responses above 1,500 ppm had concentrations of petroleum constituents exceeding SCTLs.

4.3 GROUNDWATER QUALITY

Two monitoring wells were installed at the product line junction site in January 1998 (Figure 13). Monitoring well MW01 has a total depth of 105 feet and is screened from 90 to 105 feet. Monitoring well MW02 has a total depth of 100 feet and is screened from 85 to 100 feet. Soil boring logs and well installation diagrams are included in Attachment J.

Groundwater samples were collected from these two wells on January 10, 1998, and analyzed for VOCs, semivolatile organic compounds (SVOCs), TPH, and lead. Analytical results from the groundwater sample from MW01 indicate that benzene, ethylbenzene, toluene, and xylene (BTEX); the PAHs naphthalene and 2-methylnaphthalene; and EDB and dichloromethane, were present at concentrations exceeding GCTLs (Figure 13). Analytical results from the groundwater sample from MW02 indicate that BTEX, naphthalene, and total lead were present at concentrations exceeding GCTLs. The analytical results for the groundwater sampling round are summarized in Table 7, and the laboratory analytical report is included in Attachment K.

4.4 CONTAMINANT MASS

An estimate of contaminant mass in the vadose zone soil was calculated using the following assumptions regarding the vertical and horizontal distribution of contaminants in the vadose zone and the concentrations of petroleum constituents reported from offsite laboratory analyses:

- Soil borings with one or more samples exhibiting a field screening response greater than 1,500 ppm were considered to be within the area of impact. The comparison of the field screening data and the offsite laboratory analytical results suggests that this screening level is indicative of soil with petroleum constituent concentrations exceeding SCTLs. Nine soil borings are included in the area of impact (Figure 14).

- The horizontal extent of the area of impact was defined by the locations of the soil borings where field screening results were below 1,500 ppm. The area of impact delineated by this criterion is approximately 150 feet by 60 feet.

- The vertical extent of vadose zone impact at each soil boring location included in the area of impact was considered to begin at the depth of the first field screening result exceeding 1,500 ppm and continue to the water table. A depth to groundwater of 95 feet bls was used to estimate the thickness of the vadose zone. The average contamination thickness for the nine soil borings included in the area of impact is approximately 82 feet.

- The concentration of petroleum hydrocarbons in the area of impact was determined from the arithmetic mean of the positive TPH detections in the soil samples submitted for offsite analyses. The average TPH concentration was 390 mg/kg.

Based on the assumptions presented above, the estimated mass of petroleum contaminants in vadose zone soil at the site is 26,155 pounds. The estimated volume of vadose zone soil impact is 577,268 cubic feet. The volume and mass estimate calculations are included in Attachment L.

4.5 CONCLUSIONS

Petroleum constituents are present in vadose zone soil at concentrations exceeding SCTLs at the product line junction. Area of petroleum impact to the vadose zone soil is approximately 7,069 square feet. Within this area, the vertical extent ranges from five to 25 feet bls to the water table at approximately 85 feet bls. Comparison of the field screening data and offsite laboratory data indicates that field screening responses

exceeding 1,500 ppm are indicative of petroleum constituents at concentrations exceeding SCTLs in site soils. Petroleum constituents were also present at concentrations exceeding GCTLs in groundwater samples collected from the two monitoring wells installed at the site.

4.6 RECOMMENDATIONS

A remedial action plan (RAP) should be prepared for the product line junction site to address the presence of soil in the area of impact exceeding SCTLs for one or more petroleum constituents. Groundwater impact at this site should be evaluated as part of the IRP investigation of the North Field Industrial Area groundwater plume.

5.0 SITE ASSESSMENT SUMMARY

Site investigations were conducted at NAS Whiting Field at the oil/water separator site near Building 2993 and three JP5 product line sites designated as:

- The product line pump station
- The product line junction
- The product line dispensing facility

5.1 SITE ACTIVITIES SUMMARY

A contamination assessment was conducted in 1995 at the oil/water separator site following the detection of free product in a compliance well installed at the oil/water separator (W. Grady Swann, Inc., 1995). Petroleum impact to site soil and a small perched groundwater zone were reported in the CAR. The oil/water separator was removed along with a small amount of contaminated soil in 1996. A site assessment was conducted to determine the extent of soil impact in the vadose zone at the site (Brown and Root Environmental, 1998). Approximately 1,000 cubic yards of soil were removed from the site during a soil removal IRA (PWC Pensacola, 1998a). Following the IRA, confirmation soil samples for offsite laboratory analysis were collected to verify the SCTLs were achieved. One monitoring well was installed and sampled at the site.

The product line dispensing facility was investigated as part of the product line closure assessment conducted in 1996 (J. Stidham and Associates, Inc., 1996). Further assessment of petroleum impact to site soil was conducted during the site assessment (Brown and Root Environmental, 1998). A soil removal IRA was conducted in 2000 (CH2M Hill Constructors, Inc. 2001). Samples were collected and analyzed from the stockpiles of soil removed from the excavation. Concentrations of petroleum constituents in the soil samples were below SCTLs and the stockpiled soil was returned to the excavation. One monitoring well was installed and sampled at the site.

The product line pump station was investigated as part of the product line closure assessment conducted in 1996. Further assessment of petroleum impact to site soil was conducted during the site assessment (Brown and Root Environmental, 1998). A soil removal IRA was conducted in 1998 by PWC Pensacola (PWC Pensacola, 1998b), which removed contaminated soil from adjacent to Building 2893, but not from underneath the building. A second IRA, including demolition of Building 2893, was conducted in 2000 and additional soil was removed form the site (CH2M Hill Constructors, Inc. 2001).

The product line junction was investigated as part of the product line closure assessment conducted in 1996. Further assessment of petroleum impact at the site was conducted during the site assessment (Brown and Root Environmental, 1998), but the site was considered for transfer to the IRP and the results of the investigation were not presented in the SAR. Two monitoring wells were installed and sampled at the site. Additional soil assessment was conducted at the site following the decision to evaluate site soil under the UST program and site groundwater as part of the IRP.

5.2 CONCLUSIONS AND RECOMMENDATIONS

The following are the recommended courses of action for each of the sites investigated:

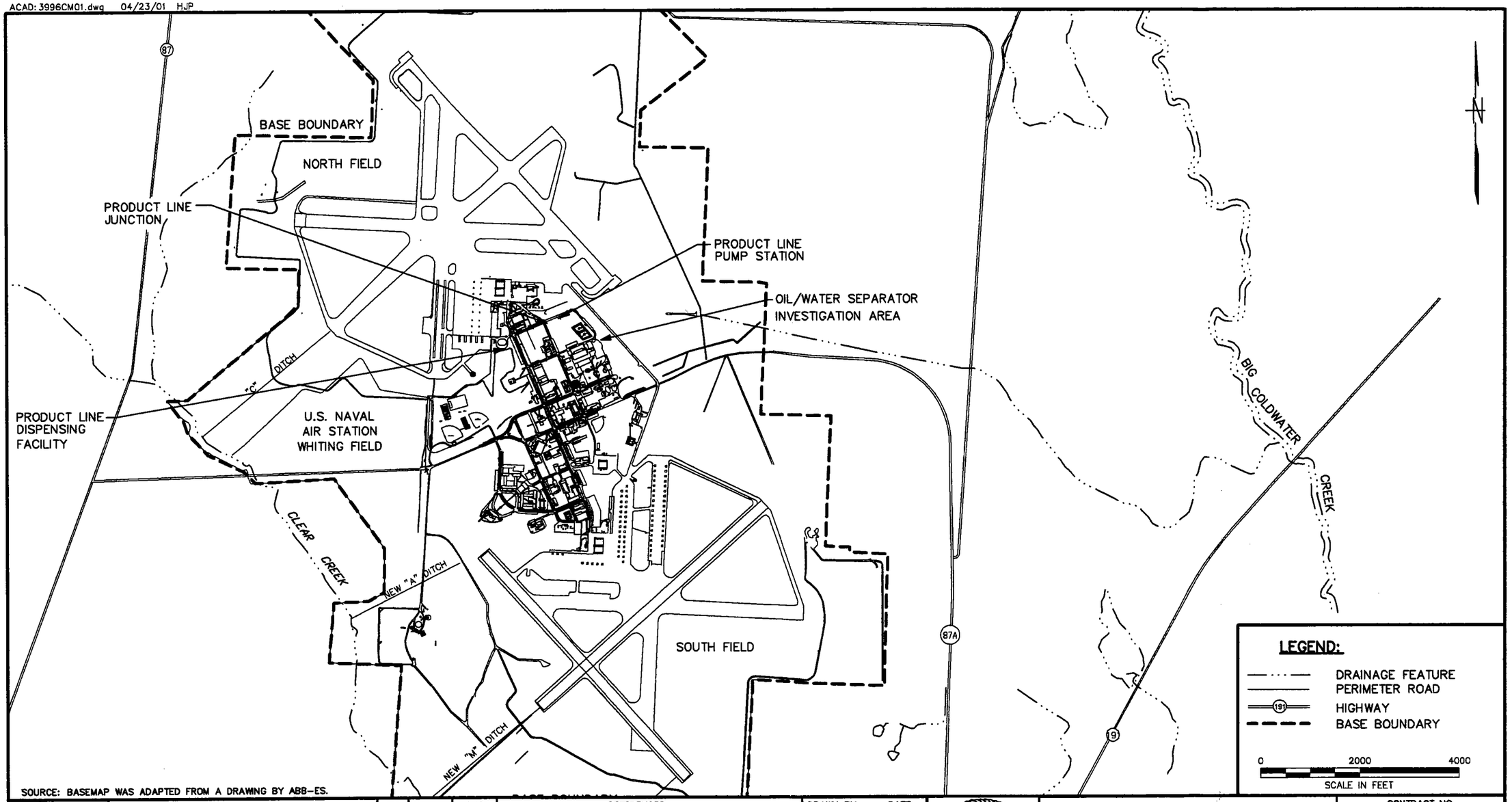
- Oil/Water Separator Site – Soil analytical data collected from the site following the IRA indicate that petroleum constituents in soil remaining at the site are at concentrations below SCTLs. Therefore, no further action should be required due to petroleum impact to vadose zone soil at the site. The GCTL exceedance of EDB in site groundwater should be evaluated under the base wide groundwater investigation conducted under the IRP.

- Product Line Dispensing Facility - Concentrations of petroleum constituents in the soil samples collected from the stockpiles of soil excavated from the site were below SCTLs. The stockpiled soil was returned to the excavation. Petroleum constituents were not detected at concentrations above standard laboratory detection limits in the groundwater sample collected at the site. No further action should be required due to petroleum impact to soil or groundwater at the site.

- Product Line Pump Station - Concentrations of petroleum constituents in the soil samples collected following the IRA were below SCTLs. Therefore, no further action should be required due to petroleum impact to vadose zone soil at the site. Depth of vadose zone impact was limited to approximately 13 feet bls and groundwater was not encountered during site assessment investigations. Therefore evaluation of site groundwater is not recommended at this site.

- Product Line Junction - A RAP should be prepared to address petroleum impact to vadose zone soil at this site. Site groundwater should be evaluated under the base-wide groundwater investigation conducted under the IRP.

ACAD: 3996CM01.dwg 04/23/01 HJP



SOURCE: BASEMAP WAS ADAPTED FROM A DRAWING BY ABB-ES.

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

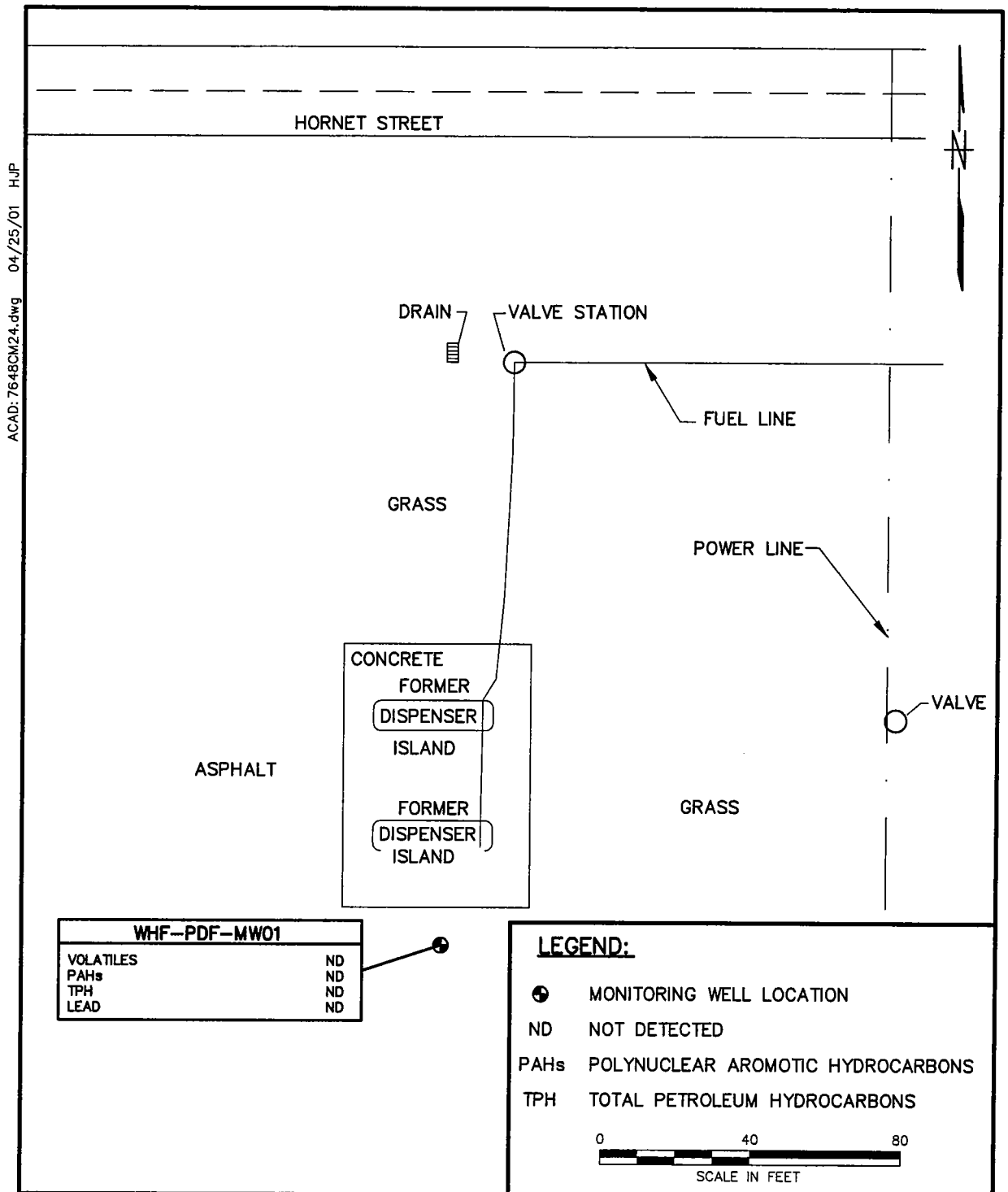
DRAWN BY HJP DATE 4/10/01
CHECKED BY DATE
COST/SCHED-AREA
SCALE AS NOTED

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

INVESTIGATION SITE LOCATION MAP
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

CONTRACT NO. 3996
APPROVED BY DATE
APPROVED BY DATE
DRAWING NO. FIGURE 1
REV. 0

FORM CADD NO. SDIV_BH.DWG - REV 0 - 1/20/98



DRAWN BY DATE MF 4/9/01		GROUNDWATER ANALYTICAL RESULTS PRODUCT LINE DISPENSING FACILITY OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORDIA	CONTRACT NO. 7648
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2 / REV. 0

FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98

ACAD: 3996TM03.dwg 04/20/01 HJP

OWSGWMW01S001	8/4/00	
EDB	0.040	ug/L (GCTL=0.02 ug/L)
NAPHTHALENE	0.70 J	ug/L
TPH	0.392	mg/L

OWSGWMW01S002	3/7/01	
EDB	0.028	ug/L
NAPHTHALENE	< 2.2	ug/L
TPH	< 0.28	mg/L

GRASS

FORMER SLUDGE TANK

FORMER OIL/WATER SEPARATOR

WHF-OWS-MW01

GRASS

ASPHALT

FORMER RUNOFF DRAIN TO OIL/WATER SEPARATOR

CONCRETE

MAINTENANCE AREA BUILDING

CONCRETE

ELECTRIC LIGHT

E E E E E E E E E E E E E E E E E E E E

CURB

FORMER HOLDING TANK

ASPHALT

0 10 20

SCALE IN FEET

LEGEND

WHF-OWS-MW01	MONITORING WELL LOCATION
OWSGWMW01S001	SAMPLE ID
ug/L	MICROGRAMS PER LITER
mg/L	MILLIGRAMS PER LITER
TPH	TOTAL PETROLEUM HYDROCARBONS
EDB	ETHYLENE DIBROMIDE
GCTL	GROUNDWATER CLEANUP TARGET LEVEL
E	BURIED ELECTRIC LINE

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY HJP DATE 4/20/01

CHECKED BY DATE

COST/SCHED-AREA

SCALE AS NOTED

GROUNDWATER ANALYTICAL RESULTS
OIL/WATER SEPARATOR SITE
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

CONTRACT NO. 3996

APPROVED BY DATE

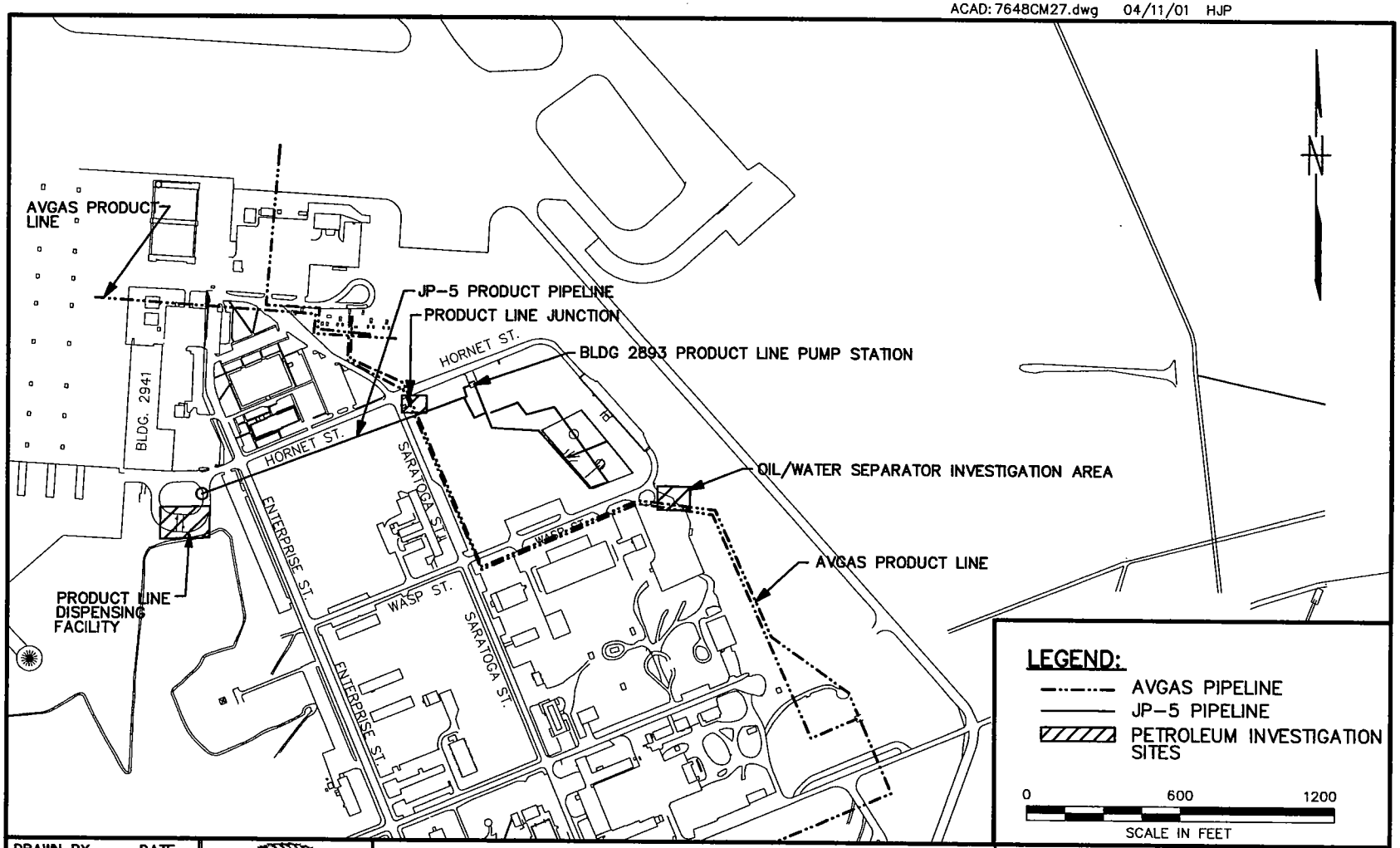
APPROVED BY DATE

DRAWING NO. FIGURE 3

REV. 0

FORM CADD NO. SDIV_BH.DWG - REV 0 - 1/20/98

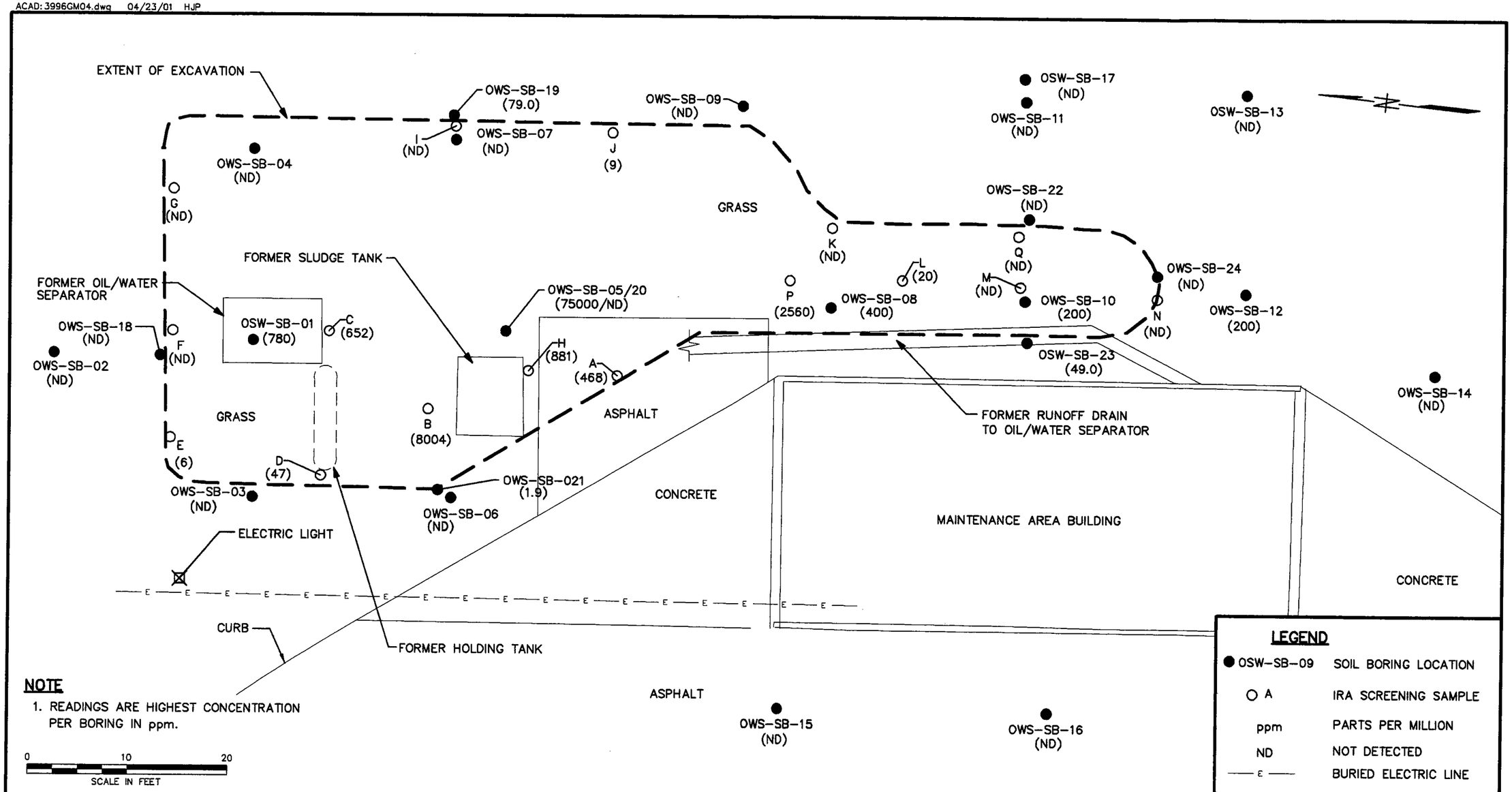
ACAD: 7648CM27.dwg 04/11/01 HJP



DRAWN BY HJP DATE 4/12/01	PETROLEUM PRODUCT PIPELINE LOCATIONS OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 7648
CHECKED BY DATE		APPROVED BY DATE
COST/SCHED-AREA		APPROVED BY DATE
SCALE AS NOTED		DRAWING NO. FIGURE 4 REV. 0

FORM CADD NO. SDIV_AH.DWG -- REV 0 -- 1/20/98

ACAD: 3996GM04.dwg 04/23/01 HJP



NOTE

1. READINGS ARE HIGHEST CONCENTRATION PER BORING IN ppm.

LEGEND

● OSW-SB-09	SOIL BORING LOCATION
O A	IRA SCREENING SAMPLE
ppm	PARTS PER MILLION
ND	NOT DETECTED
—— E ——	BURIED ELECTRIC LINE

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY DATE: HJP 4/20/01
CHECKED BY DATE:
COST/SCHED-AREA:
SCALE: AS NOTED

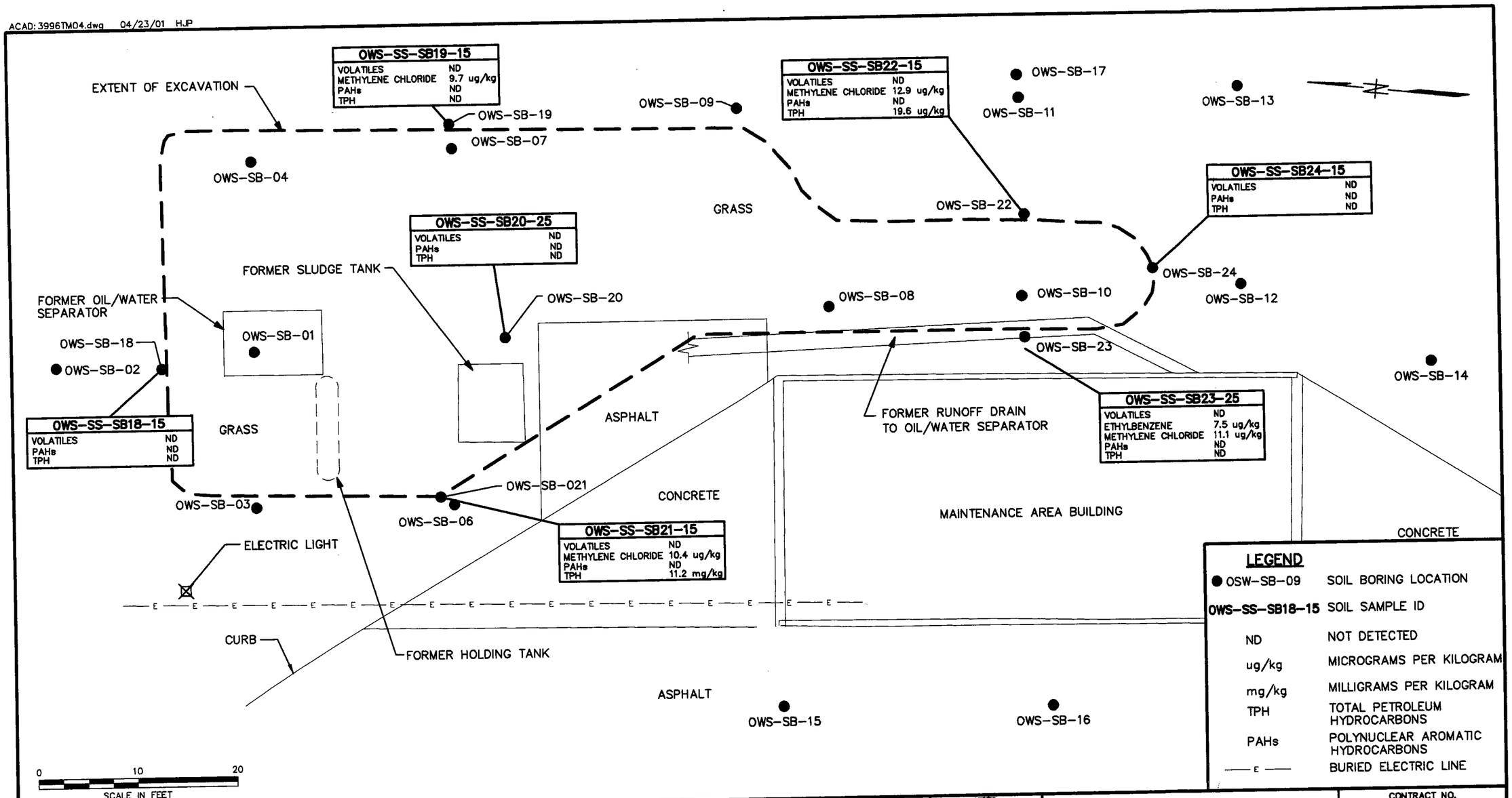
DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND — SOUTHERN DIVISION

FIELD SOIL SCREENING RESULTS
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

CONTRACT NO. 3996
APPROVED BY DATE
APPROVED BY DATE
DRAWING NO. FIGURE 5
REV. 0

FORM CADD NO. SDIV_BH.DWG - REV 0 - 1/20/98

ACAD: 3996TM04.dwg 04/23/01 HJP



LEGEND

● OSW-SB-09	SOIL BORING LOCATION
OWS-SS-SB18-15	SOIL SAMPLE ID
ND	NOT DETECTED
ug/kg	MICROGRAMS PER KILOGRAM
mg/kg	MILLIGRAMS PER KILOGRAM
TPH	TOTAL PETROLEUM HYDROCARBONS
PAHs	POLYNUCLEAR AROMATIC HYDROCARBONS
—— E ——	BURIED ELECTRIC LINE

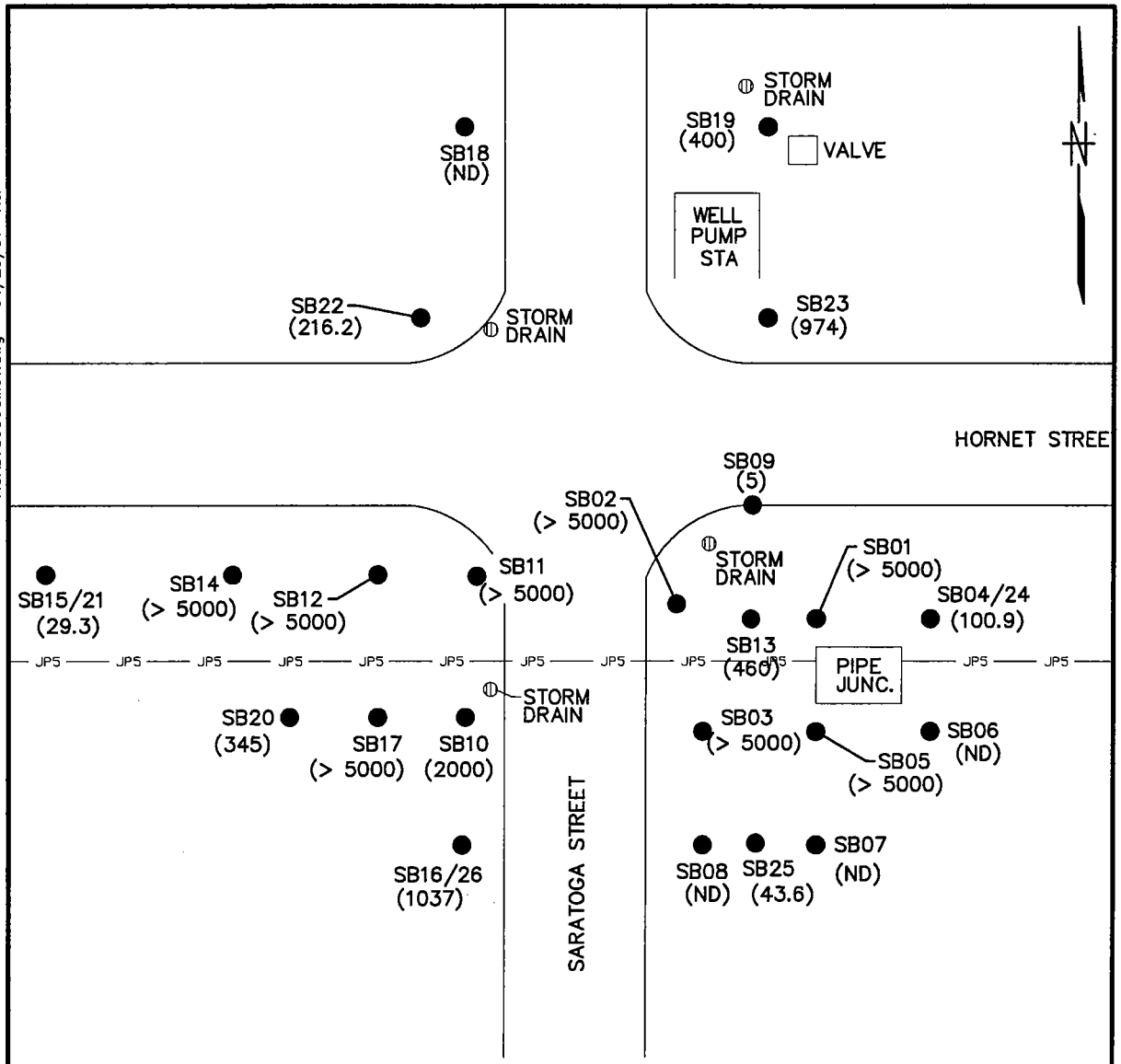
NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY HJP DATE 4/20/01
CHECKED BY DATE
COST/SCHED-AREA
SCALE AS NOTED

OFF SITE SOIL ANALYSIS RESULTS
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

CONTRACT NO. 3996
APPROVED BY DATE
APPROVED BY DATE
DRAWING NO. FIGURE 6
REV. 0

FORM CADD NO. SDIV_BH.DWG - REV 0 - 1/20/98



NOTE

1. CONCENTRATIONS SHOWN IN PARTS PER MILLION.

0 30 60

SCALE IN FEET

LEGEND

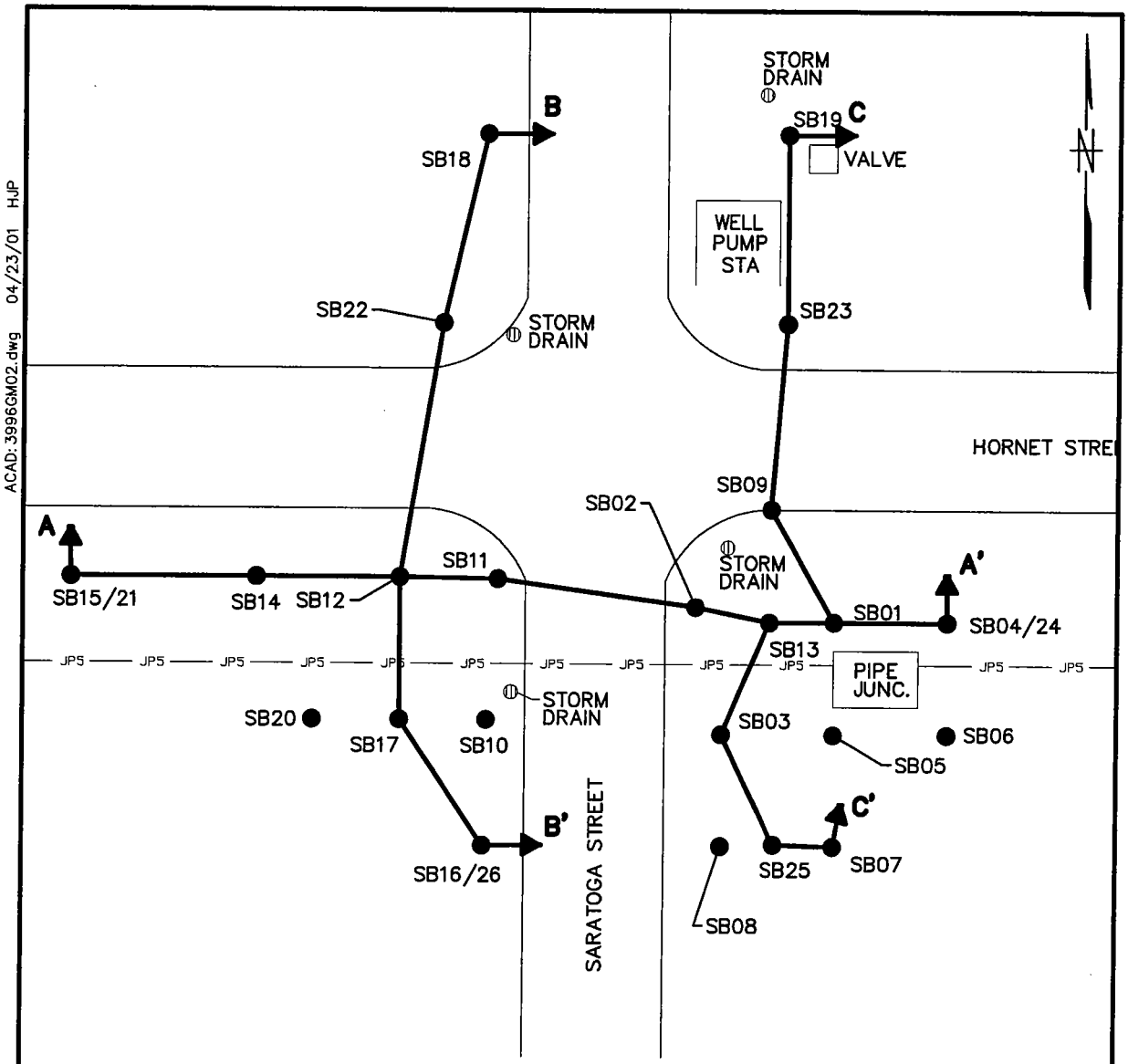
JP5 JP-5 LINE

ND NOT DETECTED

● SOIL BORING LOCATION

DRAWN BY HJP DATE 4/20/01	FIELD SOIL SCREENING RESULTS PRODUCT LINE JUNCTION OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 3996	
CHECKED BY DATE		APPROVED BY DATE	
COST/SCHED-AREA		APPROVED BY DATE	
SCALE AS NOTED		DRAWING NO. FIGURE 7	REV. 0

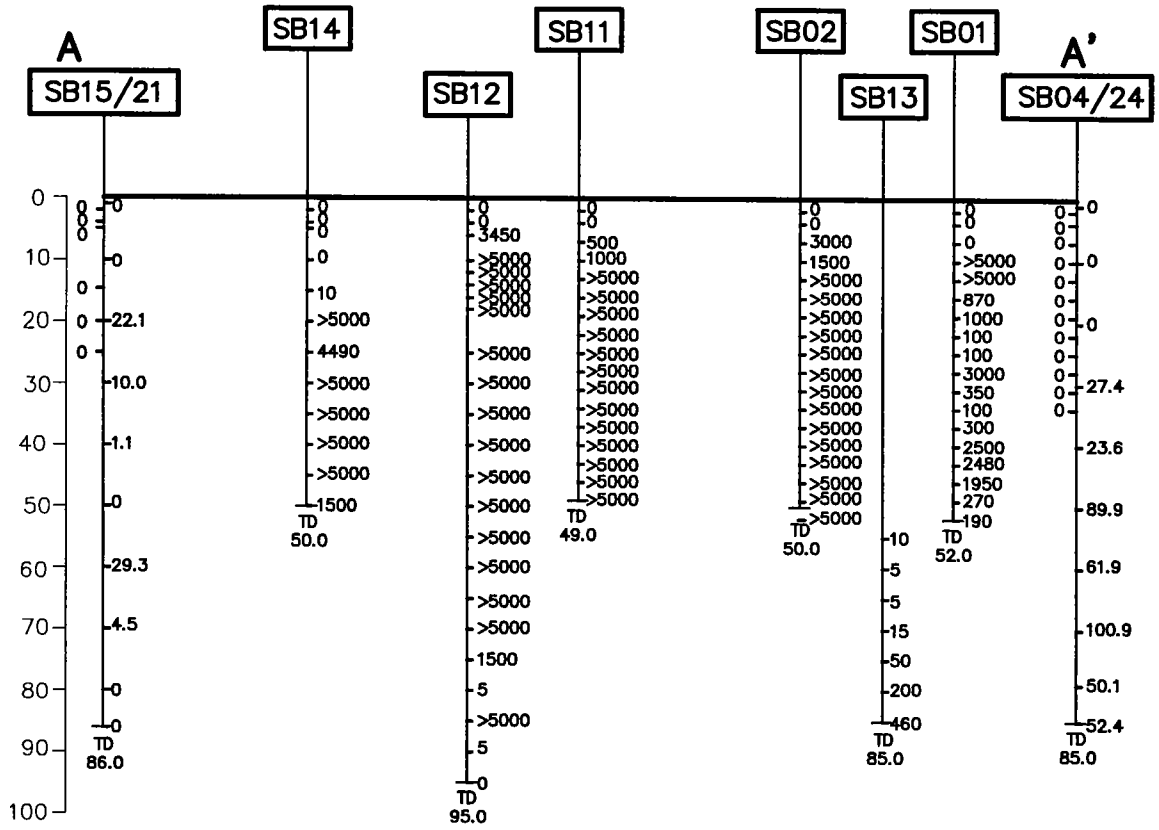
FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98



DRAWN BY HJP DATE 4/20/01		FIELD SCREENING CROSS SECTIONS PRODUCT LINE JUNCTION OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 3996
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 8 / REV. 0

FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98

ACAD: 3996GX03.dwg 04/20/01 HJP



LEGEND

TD TOTAL DEPTH OF BORING

NOTE

FIELD SCREENING DATA IN ppm (PARTS PER MILLION)

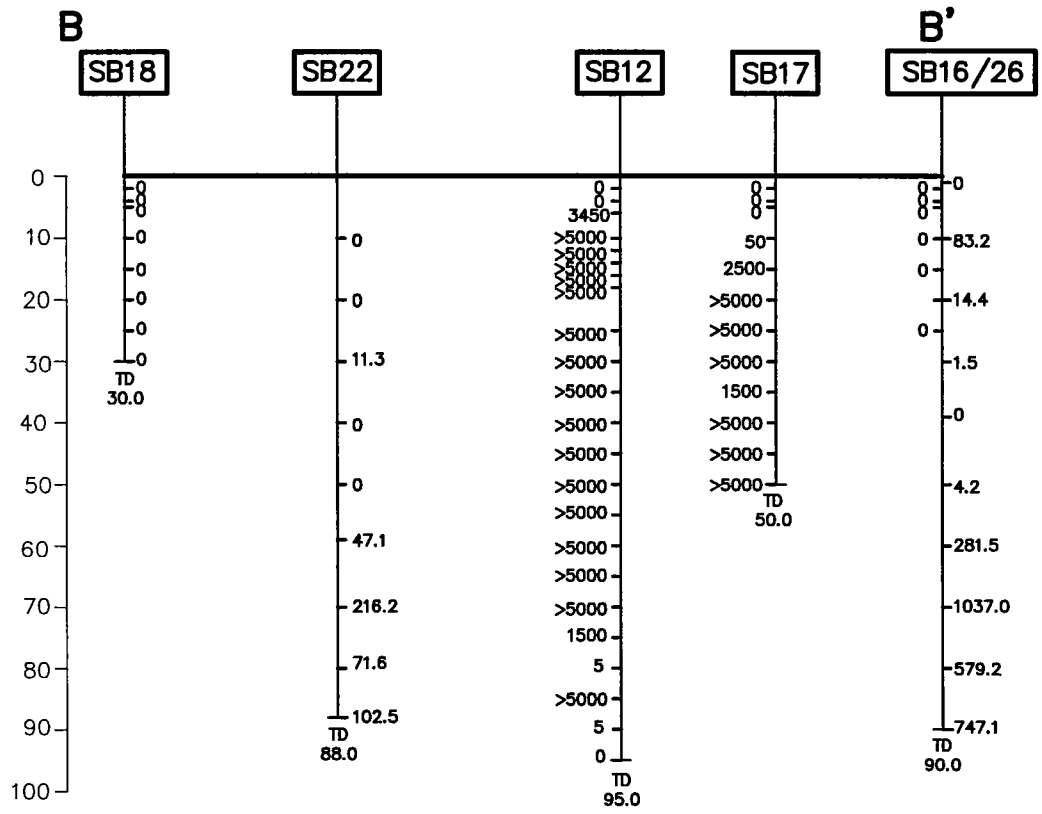
0 30 60

HORZONTAL SCALE IN FEET

DRAWN BY HJP DATE 4/20/01	FIELD SCREENING CROSS SECTION A–A' PRODUCT LINE JUNCTION OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 3996	
CHECKED BY DATE		APPROVED BY DATE	
COST/SCHED–AREA		APPROVED BY DATE	
SCALE AS NOTED		DRAWING NO. FIGURE 9	REV. 0

FORM CADD NO. SDIV_AH.DWG - REV 0 - 1/20/98

ACAD: 3996GX02.dwg 04/20/01 HJP



LEGEND

TD TOTAL DEPTH OF BORING

NOTE

FIELD SCREENING DATA
IN ppm (PARTS PER MILLION)

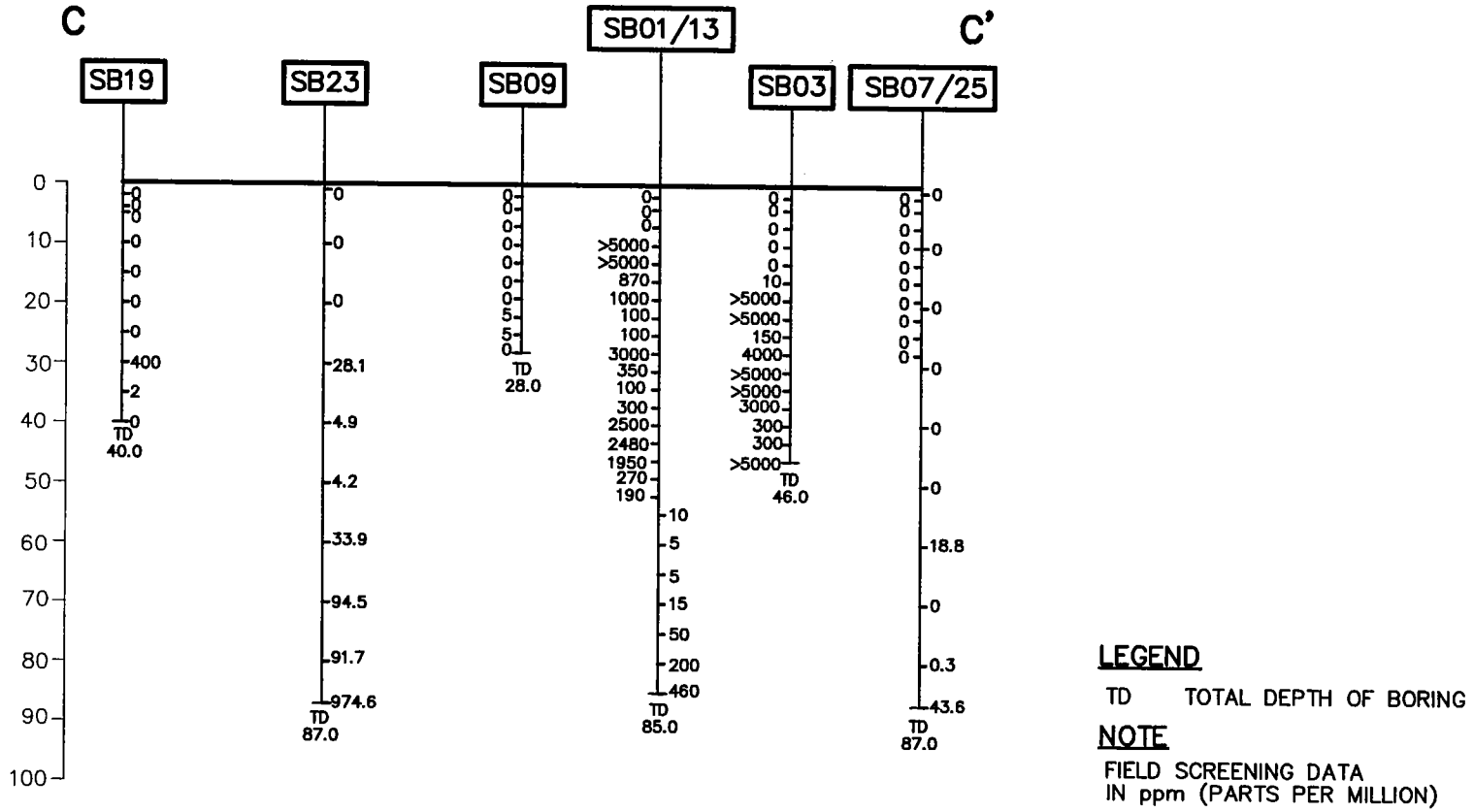
0 30 60

HORIZONTAL SCALE IN FEET

DRAWN BY DATE HJP 4/20/01		FIELD SCREENING CROSS SECTION B–B' PRODUCT LINE JUNCTION OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 3996
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED–AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 10 REV. 0

FORM CADD NO. SDIV_AH.DWG - REV 0 - 1/20/98

ACAD: 3996GX01.dwg 04/20/01 HJP



LEGEND

TD TOTAL DEPTH OF BORING

NOTE

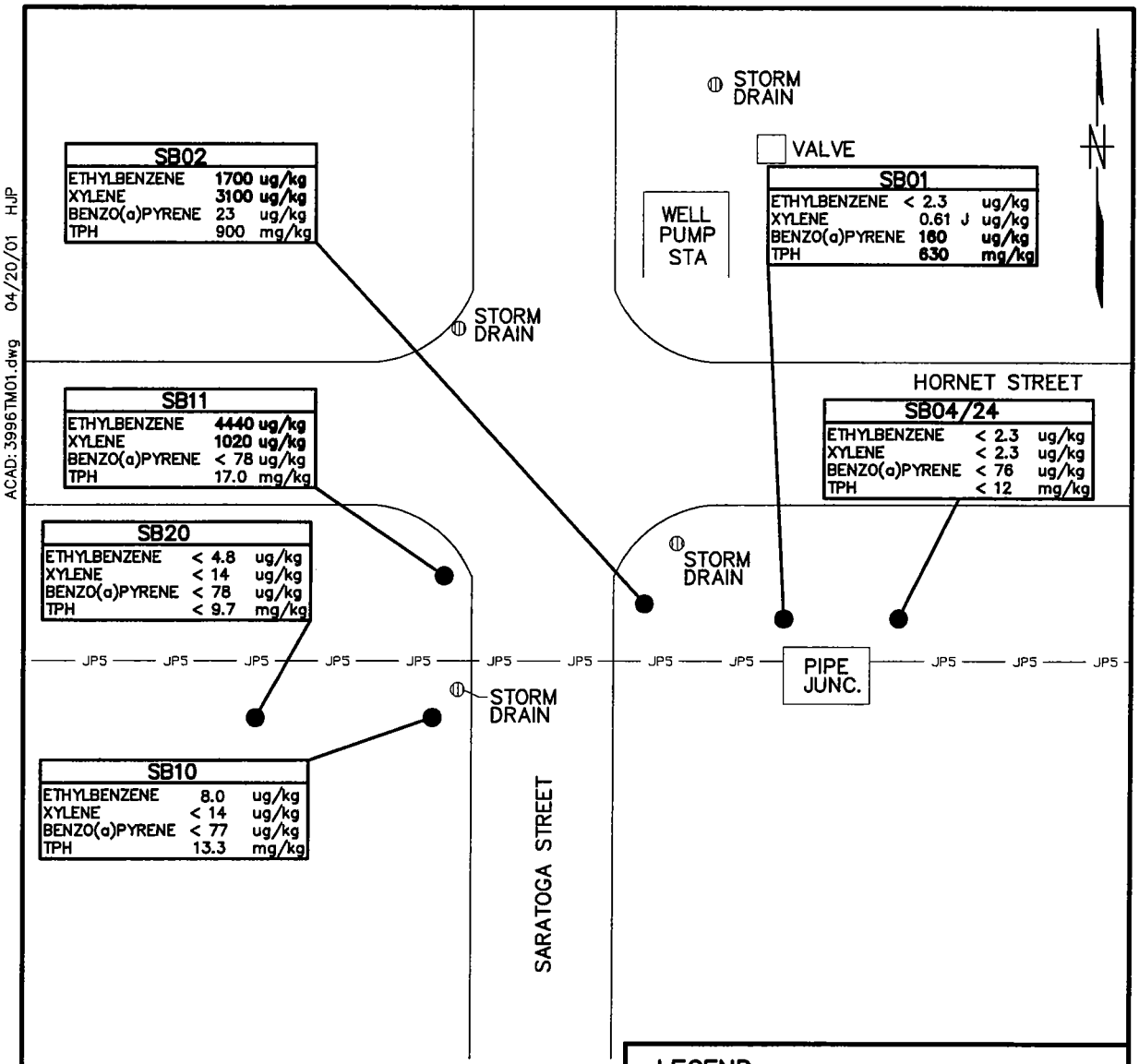
FIELD SCREENING DATA
IN ppm (PARTS PER MILLION)

0 30 60

HORIZONTAL SCALE IN FEET

DRAWN BY HJP DATE 4/20/01		FIELD SCREENING CROSS SECTION C–C' PRODUCT LINE JUNCTION OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 3996
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED–AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 11 REV. 0

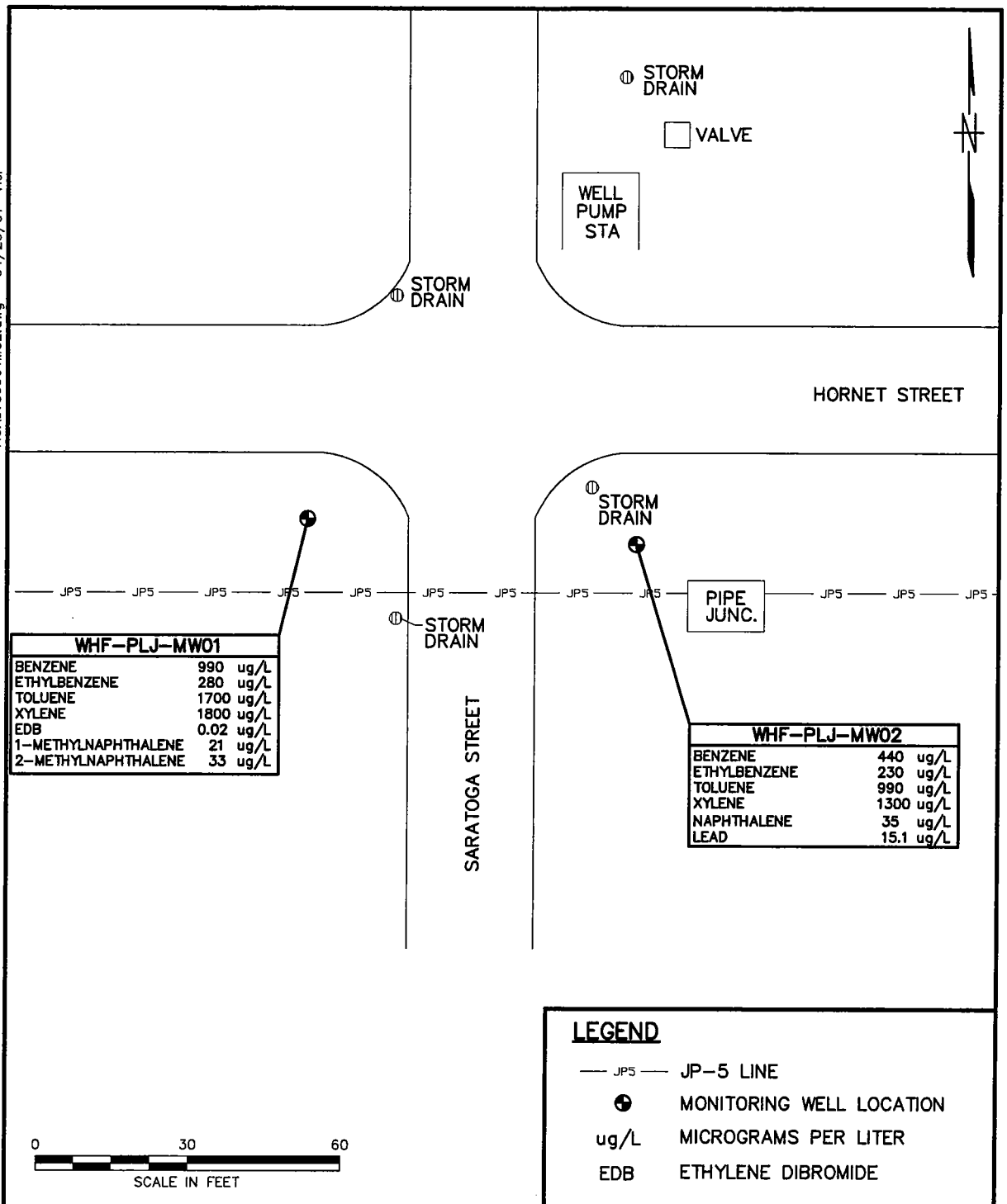
FORM CADD NO. SDIV_AH.DWG - REV 0 - 1/20/98



ACAD: 3996TM01.dwg 04/20/01 HJP

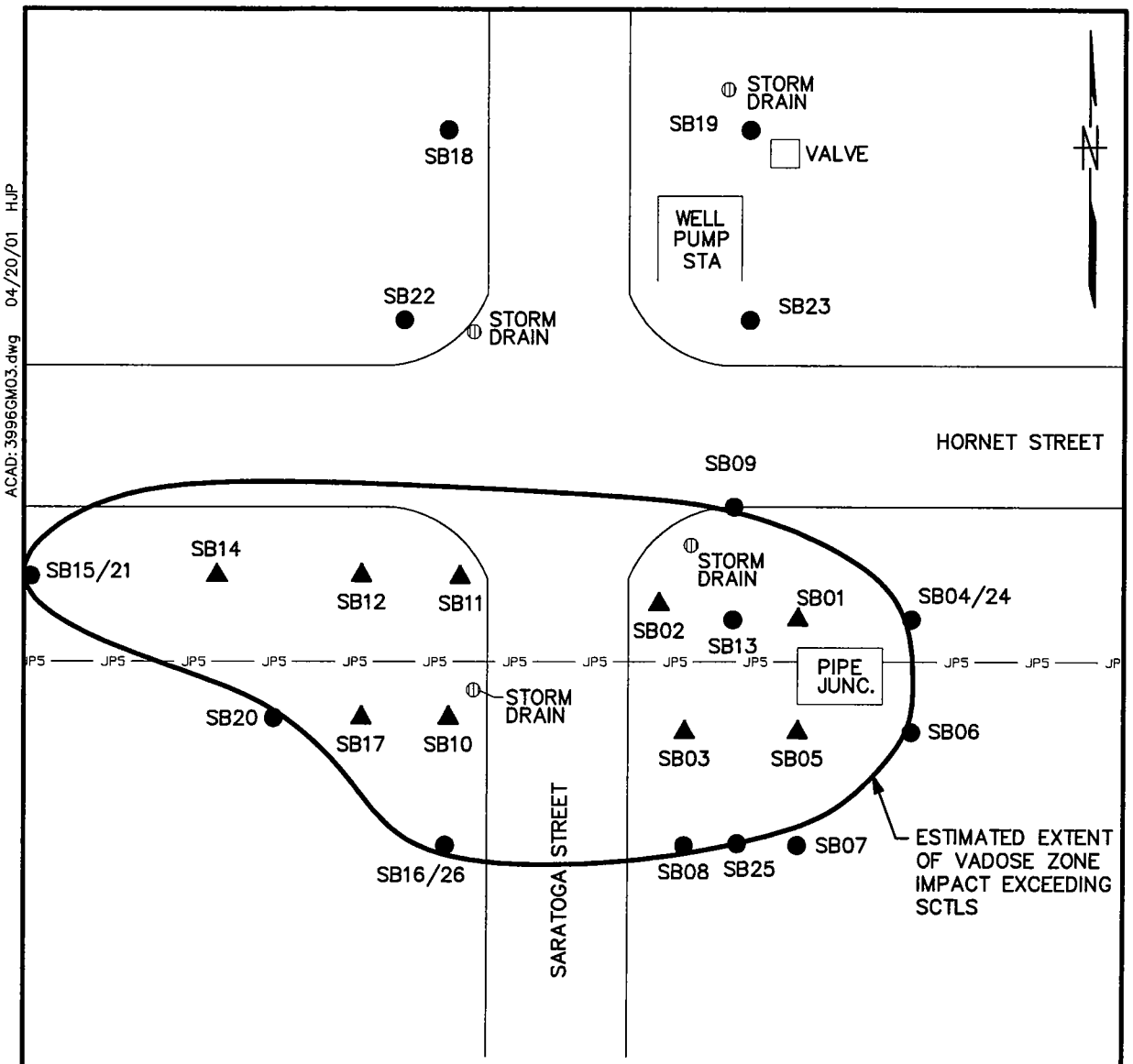
DRAWN BY HJP DATE 4/20/01		SOIL ANALYTICAL RESULTS OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 3996
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 12 / REV. 0

FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98



DRAWN BY HJP DATE 4/20/01		GROUNDWATER ANALYTICAL RESULTS PRODUCT LINE JUNCTION OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 3996
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 13 REV. 0

FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98



DRAWN BY HJP DATE 4/20/01		AREA OF IMPACT PRODUCT LINE JUNCTION OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION SITE ASSESSMENT REPORT ADDENDUM NAS WHITING FIELD MILTON, FLORIDA	CONTRACT NO. 3996
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 14 / REV. 0

FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98

TABLE 1

SUMMARY OF FIXED-BASE GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
OIL/WATER SEPARATOR AND PRODUCT LINE DISPENSING FACILITY SITES
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3)pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene
GCTL[1]		20	210	2,100	0.2	0.2	0.2	210	0.5	4.8	0.2	280	280	0.2	20	20	20	120	210
PDFGWMW015001	8/3/00	<4.4	<4.4	<2.2	<0.22	<0.22	<0.22	<0.22	<0.22	<2.2	<0.22	<2.2	<2.2	<0.22	<2.2	<2.2	<2.2	<2.2	<2.2
OWSGWMW01S001	8/4/00	<4.4	<4.4	<2.2	<0.22	<0.22	<0.22	<0.22	<0.22	<2.2	<0.22	<2.2	<2.2	<0.22	0.70 J	<2.2	<2.2	<2.2	<2.2
OWSGWMW01S002	3/7/01	<4.4	<4.4	<2.2	<0.22	<0.22	<0.22	<0.22	<0.22	<2.2	<0.22	<2.2	<2.2	<0.22	<2.2	<2.2	<2.2	<2.2	<2.2

NOTES:

Concentrations reported in micrograms per liter.

Shaded values are positive detections.

J = Estimated Concentration.

[1] Groundwater Cleanup Target Level as defined by Chapter 62-770, F.A.C.

TABLE 1

SUMMARY OF FIXED-BASE GROUNDWATER ANALYTICAL RESULTS
VOAS, OTHER ORGANICS, AND LEAD
OIL/WATER SEPARATOR AND PRODUCT LINE DISPENSING FACILITY SITES
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Benzene	Ethylbenzene	Toluene	Xylenes (total)	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	Methyl Tert Butyl Ether (MTBE)	TPH	Lead
GCTL[1]	N/A	1	30	40	20	0.02	3	50	5	15
PDFGWMW015001	8/3/00	<5.0	<1.0	<1.0	<3.0	<0.020	<1.0	<1.0	0.827	<1.6
OWSGWMW01S001	8/4/00	<1.0	<1.0	<1.0	<3.0	0.040	<1.0	<1.0	0.392	<1.6
OWSGWMW01S002	3/7/01	NA	NA	NA	NA	0.028	NA	NA	<0.28	NA

NOTES:

VOC and lead concentrations reported in micrograms per liter.

TPH concentrations reported in milligrams per liter.

VOAs are volatile organic aromatics

VOCs are volatile organic compounds

Shaded values are positive detections.

Bold values exceed GCTL.

NA = Not Analyzed for a given constituent.

[1] Groundwater Cleanup Target Level as defined by Chapter 62-770, F.A.C.

TABLE 2

SUMMARY OF OVA FIELD SCREENING RESULTS
OIL/WATER SEPARATOR SITE
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
OWS-SB-18	11/21/97	NA	0	0.0	- - -	0.0	Adjacent to SB-02
			5	0.0	- - -	0.0	
			10	0.0	- - -	0.0	
			15	0.0	- - -	0.0	OWS-SS-SB18-15
OWS-SB19	5/11/00	NA	0	0.0	- - -	0.0	Adjacent to SB-07
			5	0.0	- - -	0.0	
			10	95.0	16.0	79.0	
			15	3.9	3.6	0.3	OWS-SS-SB19-15
OWS-SB-20	5/12/00	NA	0	0.0	- - -	0.0	Adjacent to SB-05
			5	0.0	- - -	0.0	Very Moist
			10	0.0	- - -	0.0	
			15	0.0	- - -	0.0	
			20	0.0	- - -	0.0	
			25	0.0	- - -	0.0	OWS-SS-SB20-25
OWS-SB-21	5/11/00	NA	0	0.0	0.0	0.0	Adjacent to SB-06
			5	4.0	2.1	0.0	
			10	0.0	0.0	0.0	
			15	0.0	0.0	0.0	OWS-SS-SB21-15
OWS-SB-22	5/12/00	NA	0	0.0	- - -	0.0	
			5	0.0	- - -	0.0	
			10	0.0	- - -	0.0	
			15	0.0	- - -	0.0	OWS-SS-SB22-15
OWS-SB-23	5/12/00	NA	0	0.0	0.0	0.0	
			5	27.0	1.0	26.0	
			10	7.1	1.1	6.0	
			15	50.0	1.0	49.0	
			20	26.1	0.0	26.1	
			25	0.0	- - -	0.0	OWS-SS-SB23-25
OWS-SB-24	5/11/00	NA	0	0.0	- - -	0.0	
			5	2.0	1.2	0.8	
			10	0.0	- - -	0.0	
			15	0.0	- - -	0.0	OWS-SS-SB24-15

NOTES:

fbls = feet below land surface
ppm = parts per million
NA = not applicable, groundwater not encountered
- - - = Reading not taken, no total response observed

TABLE 3

SUMMARY OF FIXED-BASE SOIL ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
OIL/WATER SEPARATOR SITE
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Sample Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3)pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene
SCTL[1]			2,100	27,000	2,500,000	1,400	100	1,400	2,300,000	15,000	77,000	100	1,200,000	160,000	1,500	1,700	2,200	6,100	250,000	880,000
OWS-SS-SB18-15	5/11/2000	15	<380	<760	<380	<76	<76	<76	<76	<76	<76	<76	<380	<380	<76	<380	<380	<380	<380	<380
OWS-SS-SB19-15	5/11/2000	15	<410	<830	<410	<83	<83	<83	<83	<83	<83	<83	<410	<410	<83	<410	<410	<410	<410	<410
OWS-SS-SB20-25	5/12/2000	25	<380	<760	<380	<76	<76	<76	<76	<76	<76	<76	<380	<380	<76	<380	<380	<380	<380	<380
OWS-SS-SB21-15	5/11/2000	15	<390	<790	<390	<79	<79	<79	<79	<79	<79	<79	<390	<390	<79	<390	<390	<390	<390	<390
OWS-SS-SB22-15	5/12/2000	15	<420	<830	<420	<83	<83	<83	<83	<83	<83	<83	<420	<420	<83	<420	<420	<420	<420	<420
OWS-SS-SB22-15D	5/12/2000	15	<410	<830	<410	<83	<83	<83	<83	<83	<83	<83	<410	<410	<83	<410	<410	<410	<410	<410
OWS-SS-SB23-25	5/12/2000	25	<400	<800	<400	<80	<80	<80	<80	<80	<80	<80	<400	<400	<80	<400	<400	<400	<400	<400
OWS-SS-SB24-15	5/11/2000	15	<390	<780	<390	<78	<78	<78	<78	<78	<78	<78	<390	<390	<78	<390	<390	<390	<390	<390

NOTES:

Concentrations reported in micrograms per kilogram.

[1] Soil Cleanup Target Level as defined by Chapter 62-770, F.A.C.

TABLE 3

SUMMARY OF FIXED-BASE SOIL ANALYTICAL RESULTS
VOAS AND OTHER ORGANICS
OIL/WATER SEPARATOR SITE
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Benzene	Ethylbenzene	Toluene	Xylenes (total)	Methylene Chloride	1,2-Dichloroethane	TPH
SCTL[1]		7	600	500	200	20	10	340
OWS-SS-SB18-15	5/11/2000	<5.1	<5.1	<5.1	<15	<10	<5.1	<9.6
OWS-SS-SB19-15	5/11/2000	<5.2	<5.2	<5.2	<16	9.7J	<5.2	<10
OWS-SS-SB20-25	5/12/2000	<4.8	<4.8	<4.8	<14	<9.7	<4.8	<9.6
OWS-SS-SB21-15	5/11/2000	<5.1	<5.1	<5.1	<15	10.4	<5.1	11.2
OWS-SS-SB22-15	5/12/2000	<6.0	<6.0	<6.0	<18	<12	<6.0	19.6
OWS-SS-SB22-15D	5/12/2000	<5.6	<5.6	<5.6	<17	12.9	<5.6	<10
OWS-SS-SB23-25	5/12/2000	<5.4	7.5	<5.4	<16	11.1	<5.4	<10
OWS-SS-SB24-15	5/11/2000	<4.9	<4.9	<4.9	<15	<9.8	<4.9	<9.7

NOTES:

VOC concentrations reported in micrograms per kilogram.

TPH concentrations reported in milligrams per kilogram.

VOAs are volatile organic aromatics.

VOCs are volatile organic compounds.

Shaded values are positive detections.

J = Estimated Concentration.

[1] Soil Cleanup Target Level as defined by Chapter 62-770, F.A.(

TABLE 4

SUMMARY OF FIXED-BASE SOIL ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
PRODUCT LINE DISPENSING FACILITY SOIL STOCKPILE
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Sample Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3)pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene
SCTL[1]			2,100	27,000	2,500,000	1,400	100	1,400	2,300,000	15,000	77,000	100	1,200,000	160,000	1,500	1,700	2,200	6,100	250,000	880,000
76SP00101	3/29/2000	1	<54	<54	<54	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<54	<5.4	<54	<54	<54	<54	<5.4
76SP00145	3/29/2000	4.5	<55	<55	<55	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<55	<5.5	<55	<55	<55	<55	<5.5
76SP00109	3/29/2000	9	<56	<56	<56	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<56	<5.6	<56	<56	<56	<56	<5.6
76SP00201	3/29/2000	1	<55	<55	<55	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<55	<5.5	<55	<55	<55	<55	<5.5
76SP00245	3/29/2000	4.5	<55	<55	33J	27	36	21	18	17	28	<5.5	80	<55	17	<55	<55	<55	53J	51
76SP00209	3/29/2000	9	<56	<56	<56	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<56	<5.6	<56	<56	<56	<56	<5.6
76SP00301	3/29/2000	1	<56	<56	<56	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<56	<5.6	<56	<56	<56	<56	<5.6
76SD00301	3/29/2000	1	<53	<53	<53	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<53	<5.3	<53	<53	<53	<53	<5.3
76SP00345	3/30/2000	4.5	<56	<56	<56	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<56	<5.6	<56	<56	<56	<56	<5.6
76SP00309	3/30/2000	9	<58	<58	<58	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<58	<5.8	<58	<58	<58	<58	<5.8
76SP00401	3/30/2000	1	<53	<53	<53	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<53	<5.3	<53	<53	<53	<5.3	<5.3
76SP00445	3/30/2000	4.5	<50	<50	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<50	<50	<50	<50	<5.0
76SP00409	3/30/2000	9	<54	<54	<54	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<54	<5.4	<54	<54	<54	<54	<5.4
76SP00501	3/30/2000	1	<55	<55	<55	10	28	2[redacted]	18	[redacted]	24	<5.5	[redacted]	<55	20	<55	<55	<55	<55	35
76SP00545	3/30/2000	4.5	<57	<57	<57	24	36	[redacted]	[redacted]	21	33	<5.7	54	<57	19	<57	<57	<57	<57	80
76SP00509	3/30/2000	9	<57	<57	<57	17	1[redacted]	<5.7	<5.7	[redacted]	[redacted]	[redacted]	[redacted]8	<57	<5.7	33J	26J	62	60	29
76SP00601	3/30/2000	1	<55	<55	<55	[redacted]20	34	21	[redacted]	17	[redacted]	[redacted]	54	<55	16	<55	<55	<55	<55	46
76SP00645	3/30/2000	4.5	<55	<55	<55	8	1[redacted]	7.[redacted]	[redacted]	[redacted]	17	[redacted]	[redacted]	[redacted]	8	[redacted]	[redacted]	[redacted]	<55	13
76SP00609	3/30/2000	9	<57	<57	<57	[redacted]	[redacted]	<5.7	8.1	16	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	36J	41

TABLE 4

SUMMARY OF FIXED-BASE SOIL ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
PRODUCT LINE DISPENSING FACILITY SOIL STOCKPILE
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Sample Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3)pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene
SCTL[1]			2,100	27,000	2,500,000	1,400	100	1,400	2,300,000	15,000	77,000	100	1,200,000	160,000	1,500	1,700	2,200	6,100	250,000	880,000
47SP016	4/11/2000	8	<59	<59	<59	<5.9	<5.9	<5.9	5.0J	<5.9	<5.9	<5.9	<5.9	<59	<5.9	<59	24J	24J	<59	<5.9
47SP017	3/30/2000	8	<64	<64	<64	<6.4	<6.4	<6.4	5.0J	<6.4	<6.4	<6.4	<6.4	<64	4.3J	<64	<64	<64	<64	<6.4

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB01	11/21/97	NA	2	0	0	0	
			4	0	0	0	
			7	0	0	0	
			10	>5000	400	>5000	
			13	>5000	100	>5000	
			16	900	30	870	
			19	1000	0	1000	
			22	100	0	100	
			25	100	0	100	
			28	3000	0	3000	
			31	350	0	350	
			34	100	0	100	
			37	300	0	300	
			40	2500	0	2500	
			43	2500	20	2480	
			46	2000	50	1950	
			49	280	10	270	
			52	200	10	190	
PLJ-SB02	11/22/97	NA	2	0	0	0	
			4	0	0	0	
			7	3000	0	3000	
			10	1500	0	1500	
			13	>5000	0	>5000	
			16	>5000	0	>5000	
			19	>5000	0	>5000	
			22	>5000	0	>5000	
			25	>5000	0	>5000	
			28	>5000	0	>5000	
			31	>5000	0	>5000	
			34	>5000	0	>5000	
			37	>5000	0	>5000	
			40	>5000	0	>5000	
			43	>5000	0	>5000	
			46	>5000	0	>5000	
			49	>5000	0	>5000	
			52	>5000	0	>5000	

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB03	11/22/97	NA	2	0	0	0	
			4	0	0	0	
			7	0	0	0	
			10	0	0	0	
			13	50	50	0	
			16	10	0	10	
			19	>5000	0	>5000	
			22	>5000	0	>5000	
			25	150	0	150	
			28	4000	0	4000	
			31	>5000	0	>5000	
			34	>5000	0	>5000	
			37	3000	0	3000	
			40	300	0	300	
			43	300	0	300	
			46	>5000	0	>5000	
PLJ-SB04	11/22/97	NA	2	0	0	0	Adjacent to PLJ-SB24
			4	0	0	0	
			7	0	0	0	
			10	0	0	0	
			13	0	0	0	
			16	0	0	0	
			19	0	0	0	
			22	0	0	0	
			25	5	5	0	
			28	10	10	0	
			31	0	0	0	
			34	10	10	0	

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB05	11/24/97	NA	2	0	0	0	
			4	0	0	0	
			7	0	0	0	
			10	0	0	0	
			13	0	0	0	
			16	0	0	0	
			19	0	0	0	
			22	1500	0	1500	
			25	500	0	500	
			28	>5000	0	>5000	
			31	>5000	0	>5000	
			34	>5000	0	>5000	
			37	100	0	100	
			40	50	0	50	
			43	0	0	0	
			46	0	0	0	
PLJ-SB06	11/24/97	NA	2	0	0	0	
			4	0	0	0	
			7	0	0	0	
			10	0	0	0	
			13	0	0	0	
			16	0	0	0	
			19	0	0	0	
			22	0	0	0	
			25	0	0	0	
			28	0	0	0	
			31	0	0	0	
			34	0	0	0	
PLJ-SB07	11/24/97	NA	2	0	0	0	PLJ-SB25 located between
			4	0	0	0	PLJ-SB07 and PLJ-SB08
			7	0	0	0	
			10	0	0	0	
			13	0	0	0	
			16	0	0	0	
			19	0	0	0	
			22	0	0	0	
			25	0	0	0	
			28	0	0	0	

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB08	11/24/97	NA	2	0	0	0	PLJ-SB25 located between
			4	0	0	0	PLJ-SB07 and PLJ-SB08
			7	0	0	0	
			10	0	0	0	
			13	0	0	0	
			16	0	0	0	
			19	0	0	0	
			22	0	0	0	
PLJ-SB09	11/24/97	NA	2	0	0	0	
			4	0	0	0	
			7	0	0	0	
			10	0	0	0	
			13	0	0	0	
			16	0	0	0	
			19	0	0	0	
			22	5	0	5	
			25	25	20	5	
			28	0	0	0	
PLJ-SB10	11/25/99	NA	2	0	0	0	
			4	0	0	0	
			7	0	0	0	
			10	50	0	50	
			13	2000	0	2000	
			16	50	0	50	
			19	100	0	100	
			22	50	0	50	
			25	50	0	50	
			28	5	0	5	
			31	0	0	0	

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB11	11/25/97	NA	2	0	0	0	
			4	0	0	0	
			7	500	0	500	
			10	1000	0	1000	
			13	>5000	0	>5000	
			16	>5000	0	>5000	
			19	>5000	0	>5000	
			22	>5000	0	>5000	
			25	>5000	0	>5000	
			28	>5000	0	>5000	
			31	>5000	0	>5000	
			34	>5000	0	>5000	
			37	>5000	0	>5000	
			40	>5000	0	>5000	
			43	>5000	0	>5000	
			46	>5000	0	>5000	
			49	>5000	0	>5000	
PLJ-SB12	2/4/98		2	0	0	0	MW-01
			4	0	0	0	
			6	3500	50	3450	
			10	>5000	200	>5000	
			12	>5000	50	>5000	
			14	>5000	100	>5000	
			16	>5000	100	>5000	
			18	>5000	50	>5000	
			25	>5000	50	>5000	
			30	>5000	50	>5000	
			35	>5000	50	>5000	
			40	>5000	100	>5000	
			45	>5000	0	>5000	
			50	>5000	5	>5000	
			55	>5000	10	>5000	
			60	>5000	5	>5000	
			65	>5000	0	>5000	
			70	>5000	0	>5000	
			75	1500	0	1500	
			80	5	0	5	
			85	>5000	0	>5000	
			90	5	0	5	
			95	0	0	0	

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB13	2/6/98		55	10	0	10	MW-02
			60	5	0	5	
			65	5	0	5	
			70	15	0	15	
			75	50	0	50	
			80	200	0	200	
			85	460	0	460	
PLJ-SB14	2/7/98	NA	2	0	0	0	
			4	0	0	0	
			5	0	0	0	
			10	0	0	0	
			15	15	5	10	
			20	>5000	30	>5000	
			25	4500	10	4490	
			30	>5000	0	>5000	
			35	>5000	0	>5000	
			40	>5000	0	>5000	
			45	>5000	40	>5000	
			50	1500	0	1500	
PLJ-SB15	2/8/98	NA	2	0	0	0	Adjacent to SB-21
			4	0	0	0	
			5	0	0	0	
			10	0	0	0	
			25	0	0	0	
			20	0	0	0	
			25	0	0	0	
PLJ-SB16	2/8/98	NA	2	0	0	0	Adjacent to SB-26
			4	0	0	0	
			5	0	0	0	
			10	0	0	0	
			15	0	0	0	
			20	---	---	---	No recovery
			25	0	0	0	

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB17	2/8/98	NA	2	0	0	0	
			4	0	0	0	
			5	0	0	0	
			10	50	0	50	
			15	2500	0	2500	
			20	>5000	0	>5000	
			25	>5000	0	>5000	
			30	>5000	0	>5000	
			35	1500	0	1500	
			40	>5000	0	>5000	
			45	>5000	0	>5000	
			50	>5000	0	>5000	
PLJ-SB18	2/9/98	NA	2	0	0	0	
			4	0	0	0	
			5	0	0	0	
			10	0	0	0	
			15	0	0	0	
			20	0	0	0	
			25	0	0	0	
			30	0	0	0	
PLJ-SB19	2/9/98	NA	2	0	0	0	
			4	0	0	0	
			5	0	0	0	
			10	0	0	0	
			15	0	0	0	
			20	0	0	0	
			25	0	0	0	
			30	400	0	400	
			35	2	0	2	
			40	0	0	0	
PLJ-SB20	2/9/98	NA	2	0	0	0	
			4	0	0	0	
			5	0	0	0	
			10	5	3	2	
			15	50	0	50	
			20	350	5	345	
			25	120	5	115	
			30	50	0	50	
			35	250	10	240	
			40	15	0	15	
			45	95	0	95	
			50	95	0	95	
			55	5	0	5	
			60	20	0	20	

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB21	5/13/00	85 FT	1	0	---	0	Adjacent to SB-15
			10	0	---	0	
			20	22.1	0	22.1	
			30	11.5	1.5	10.0	
			40	1.1	0	1.1	
			50	0	0	0	
			60	29.3	0	29.3	
			70	4.5	0	4.5	
			80	0	---	0	
			86	0	---	0	
PLJ-SB22	5/14/00	87 FT	10	0	---	0	
			20	0	---	0	
			30	11.3	0	11.3	
			40	0	---	0	
			50	0	---	0	
			59	47.1	0	47.1	
			70	216.2	0	216.2	
			80	71.6	0	71.6	
			88	102.5	0	102.5	
PLJ-SB23	5/16/00	86.5 FT	1	0	0	0	
			10	0	---	0	
			20	0	0	0	
			30	28.1	0	28.1	
			40	4.9	0	4.9	
			50	4.2	0	4.2	
			60	33.9	0	33.9	
			70	94.5	0	94.5	
			80	91.7	0	91.7	
			87	974.6	0	974.6	Odor/Wet
PLJ-SB24	5/15/00	84.5 FT	1	0	---	0	Adjacent to SB-04
			10	0	---	0	
			20	0	---	0	
			30	27.4	0	27.4	
			40	23.6	0	23.6	
			50	89.9	0	89.9	
			60	61.6	0	61.6	
			70	100.9	0	100.9	
			79	50.1	0	50.1	
			85	52.4	0	52.4	

TABLE 5

SUMMARY OF OVA FIELD SCREENING RESULTS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (fbls)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
PLJ-SB25	5/15/00	85 FT	1	0	---	0	Between SB-07 and SB-08
			10	0	---	0	
			20	0	---	0	
			30	0	---	0	
			40	0	---	0	
			50	0	---	0	
			60	18.8	0	18.8	
			70	0	---	0	
			80	0.3	0	0.3	
			87	43.6	0	43.6	
PLJ-SB26	5/13/00	89 FT	1	0	0	0	Adjacent to SB-16
			10	84.2	1.0	83.2	
			20	26.4	12.0	14.4	
			30	2.5	1.0	1.5	
			39	2.3	2.3	0	
			50	7.0	2.8	4.2	
			60	287.1	5.6	281.5	Odor/Moist
			70	1037.0	0.0	1037.0	Odor/Moist
			80	580.2	1.0	579.2	
			90	750.1	3.0	747.1	

NOTES:

fbls = feet below land surface
ppm = parts per million
NA = not applicable, groundwater not encounterec
- - - = Reading not taken, no total response observed

TABLE 6

SUMMARY OF FIXED-BASE SOIL ANALYTICAL RESULTS
VOAS AND OTHER ORGANICS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Sample Depth	Benzene	Ethylbenzene	Toluene	Xylenes (total)	1,2-Dichloroethane	Methyl Tert Butyl Ether (MTBE)	TPH
SCTL[1]			7	600	500	200	100	200	340
JNC-SS-SB01-1011	11/22/97	10-11	<2.3	<2.3	3.2	0.61J	NA	<2.3	**630**
JNC-SS-SB02-0708	11/22/97	07-08	<290	**1,700**	<290	**3,100**	NA	<290	**900**
JNC-SS-SB04-0708	11/22/97	07-08	<2.3	<2.3	1.3J	<2.3	NA	<2.3	<12
PLJ-SS-SB10-14	5/11/00	14	<4.8	8.0	<4.8	<14	<4.8	NA	13.3
PLJ-SS-SB11-13	5/11/00	13	<240	**4,440**	<240	**1,020**	<240	NA	17.0
PLJ-SS-SB20-15	5/11/00	15	<4.8	<4.8	<4.8	<14	<4.8	NA	<9.7

NOTES:

VOC concentrations reported in micrograms per kilogram.

TPH concentrations reported in milligrams per kilogram.

VOAs are volatile organic aromatics

VOCs are volatile organic compounds

Shaded values are positive detections.

Bold values exceed SCTL.

J = Estimated Concentration.

[1] Soil Cleanup Target Level as defined by Chapter 62-770, F.A.(

TABLE 6

SUMMARY OF FIXED-BASE SOIL ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Sample Depth	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3)pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene
SCTL[1]			2,100	27,000	2,500,000	1,400	100	1,400	2,300,000	15,000	77,000	100	1,200,000	160,000	1,500	1,700	2,200	6,100	250,000	880,000
JNC-SS-SB01-1011	11/22/97	10-11	<380	<760	240J	170	**160**	110	59	95	180	<76	1800	320J	53J	1200	190	570	1500	950
JNC-SS-SB02-0708	11/22/97	07-08	<410	<830	<410	20	23	13	3.5J	8.7	18	<83	<410	300	8.0	1200	[redacted]	480	<410	<410
JNC-SS-SB04-0708	11/22/97	07-08	<380	<760	<380	<76	<76	<76	<76	<76	<76	<76	<380	<380	<76	<380	[redacted]	<380	<380	<380
PLJ-SS-SB10-14	5/11/00	14	<390	<770	<390	<77	<77	<77	<77	<77	<77	<77	<390	<390	<77	<390	<390	<390	<390	<390
PLJ-SS-SB11-13	5/11/00	13	<390	<780	<390	<78	<78	<78	<78	<78	<78	<78	<390	<390	<78	<390	<390	<390	<390	<390
PLJ-SS-SB20-15	5/11/00	15	<390	<780	<390	<78	<78	<78	<78	<78	<78	<78	<390	<390	<78	<390	<390	<390	<390	<390

NOTES:

Concentrations reported in micrograms per kilogram.

Shaded values are positive detections.

Bold values exceed GCTL.

J = Estimated Concentration.

[1] Groundwater Cleanup Target Level as defined by Chapter 62-770, F.A.C.

TABLE 7

SUMMARY OF FIXED-BASE GROUNDWATER ANALYTICAL RESULTS
VOAS, OTHER ORGANICS, AND LEAD
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Benzene	Ethylbenzene	Toluene	Xylenes (total)	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	Methyl Tert Butyl Ether (MTBE)	Methylene Chloride	TPH	Lead
GCTL[1]	N/A	1	30	40	20	0.02	3	50	5	5	15
WHF-PLJ-MW01	2/10/98	**990**	**280**	**1,700**	**1,800**	**0.02**	<25	<25	7.6J	4.7	2.5B
WHF-PLJ-MW02	2/10/98	**440**	**230**	**990**	**1,300**	0.19	<10	<10	<20	4.6	15.1

NOTES:

VOC and lead concentrations reported in micrograms per liter.

TPH concentrations reported in milligrams per liter.

VOAs are volatile organic aromatics

VOCs are volatile organic compounds

Shaded values are positive detections.

Bold values exceed GCTL.

J = Estimated Concentration.

[1] Groundwater Cleanup Target Level as defined by Chapter 62-770, F.A.

TABLE 7

SUMMARY OF FIXED-BASE GROUNDWATER ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS
PRODUCT LINE JUNCTION
OIL/WATER SEPARATOR AND PRODUCT LINE INVESTIGATION
SITE ASSESSMENT REPORT ADDENDUM
NAS WHITING FIELD
MILTON, FLORIDA

Sample ID	Date Collected	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3)pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene
GCTL[1]		20	210	2,100	0.2	0.2	0.2	210	0.5	4.8	0.2	280	280	0.2	20	20	20	120	210
WHF-PLJ-MW01	2/10/98	<4.0	<4.0	<4.0	<0.40	<0.40	<0.37	<0.80	<0.60	<0.40	<0.80	2.1	<8.0	<0.37	6.7	21	33	2.8J	0.91
WHF-PLJ-MW02	2/10/98	<1.0	<1.0	<1.0	<0.10	<0.10	<0.092	<0.20	<0.15	<0.10	<0.20	<0.20	<2.0	<0.092	**35**	**19**	**15**	<1.0	<0.20

NOTES:

Concentrations reported in micrograms per liter.

Shaded values are positive detections.

Bold values exceed GCTL.

J = Estimated Concentration.

[1] Groundwater Cleanup Target Level as defined by Chapter 62-770, F.A.C.

ATTACHMENT A

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
TECHNICAL REVIEW LETTER

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

September 29, 1998

Mr. Nick Ugolini (Code 1843)
Department of the Navy, Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29406

file: ow_sap2.doc

RE: Site Assessment Report for Oil/Water Separator and Product Line Investigation, Naval Air Station Whiting Field, Milton, FL

Dear Mr. Ugolini:

I have reviewed the above document dated July 1998 (received August 7, 1998). The following comments should be adequately addressed by the Navy:

1. Please confirm that the "sludge tank" described in Section 1.2.5 was not a waste oil tank, which would necessitate analysis of soil samples for the contaminants in Table II, Chapter 62-770, FAC. What was the nature of the "sludge?"

2. It appears that the soil samples were not taken strictly following the guidance in Chapter 62-770, FAC in that samples were not taken from samples in the low, intermediate and high OVA ranges; however, since the proposed IRA is being based on OVA values, this does not appear to pose a problem. The Navy may want to consider additional soil borings and analyticals, which may help reduce the volume of soil that will be removed.

3. According to Figure 3-3, General Information Report for Whiting Field, January 1998, the geology directly under the site consists of interbedded sands, silts and clays with the presence of clay lenses with the first of two general lenses at about 15-20 feet below land surface (bls). Because of this, lateral migration of petroleum products with downward migration is likely. Accordingly, please install a monitoring well which intersects the water table which is situated at the approximately 90 foot bls depth in the vicinity of OSW-SB-05 at the Oil/Water Separator site. Additionally, please install one monitoring well in the vicinity of PDF-SB-09 at the Product Line Dispensing site. Sample and analyse ground water from these wells for volatile and semivolatile petroleum constituents as specified in Table 1 of Chapter 62-770, F.A.C. Please present the results of the analyses in tabular form. Alternatively, if there are IRP program wells in close proximity, I will consider analyses from them. If you choose to utilize any of these wells, please meet with me so that I can review their suitability.

4. The product line that was partially investigated as part of this assessment needs further assessment. I suggest that we meet with Mr. Jim Holland and Ms. Linda Martin at the next NAS Whiting Field Partnering meeting and discuss how we may address this. Additionally, I request that we be prepared at that meeting to show where previous investigation activities have occurred along the pipeline so that we can determine the remaining portions of the pipeline that need assessment.

Please address these comments in a SAR addendum and please submit an updated recommendation for the sites in this SAR. If you need further clarification or other assistance, please feel free to contact me at (850) 921-4230.

Sincerely,

James H. Cason, P.G.
Remedial Project Manager

cc: Jim Holland, NAS Whiting Field
Linda Martin, Southern Division
Paul E. Calligan, TetraTech NUS, Tallahassee
Tom Moody, FDEP Northwest District

TJB TB JJC JJC ESN ESN

CONTAMINATION ASSESSMENT REPORT
N.A.S. WHITING FIELD
SITE 2993A
MILTON, FLORIDA
FDEP FACILITY NO.: 578516386
PROJECT NO.: WGS95-0094

1.0 INTRODUCTION

In September, 1994, during an inspection of the oil-water separator system by the Florida Department of Environmental Protection (FDEP) at N.A.S.-Whiting Field, free product was observed in the northeast compliance well, one of four leak detection wells installed in the vicinity of the oil-water separator unit. A Discharge Reporting Form was filed with the FDEP that same day. In May, 1995, W. Grady Swann, Inc. (WGS) was contracted by Heffernan-Holland Architecture, the prime contractor, to perform a contamination assessment for Tanks System 2993A, the location of the oil-water separator. The contamination assessment was initiated by WGS on May 15, 1995.

2.0 SITE LOCATION AND AREA OF INVESTIGATION

The Site is located on the U.S. Naval Air Station (N.A.S.) Whiting Field, approximately five (5) miles north of Milton, Florida. The Site lies in the northeast quarter of Section 2, Township 2 North, Range 28 West, Santa Rosa County. **Figure 2.**, Topographic Map, shows the Site location relative to the surrounding area. The Site situates on the eastern edge of the developed area of Whiting Field between the North Field and the South Field runways.

The specific Site area is designated as 2993A, being located approximately 200' feet east of Building 2993 in an earthen grassy area which slopes to the east. Structures located in the vicinity of the Site include the aforementioned Building (2993), two (2) 230,000-gallon, aboveground jet fuel storage tanks within concrete containment, and two small storage buildings. An underground oil-water separator is located at the Site under a concrete pad. An underground product holding tank and a sludge tank are situated adjacent to the oil-water separator. The oil-water separator's plumbing has been physically isolated from the product holding tank and the drain line to the Base's sanitary sewer system. The separator unit is still plumbed to the stormwater collection sump in the near-by Fuel Truck Parking area, as evidenced by the repeated presence of water in the tank following periods of rainfall. **Figure 1**, Site Map, illustrates the tank and compliance well locations, as well as other wells and borings constructed/drilled during the assessment.

The land surrounding the Site is all part of Whiting Field. Immediately west of the Site is an asphalt covered parking area extending approximately 200-feet west to Building 2993, the Fuel Contractor's Office. Approximately 400-feet to the northwest of the Site beyond the asphalt parking lot are the two (2) aforementioned jet fuel storage tanks.

To the north of the Site is an earthen grassy area which extends approximately 1,000-feet to the North Field runways. To the east and southeast of the Site for over 1/4 mile is earthen, grassy vacant land. Immediately adjacent to the Site to the south-southwest is a curbed concrete drain area (Fuel Truck Parking area) for the oil-water separator and a 500-gallon aboveground tank containing contaminated jet fuel.

3.0 INITIAL REMEDIAL ACTION

Initial Remedial Action consisted of bailing approximately four (4) gallons of free product from the northeast compliance well (NE/CW) immediately upon discovery of the release, September 21, 1994. The removal of excessively contaminated soils is recommended herein.

4.0 PREVIOUS INVESTIGATIONS

No previous investigations have been conducted at the Site.

5.0 REGIONAL TOPOGRAPHY

The Site is located with respect to regional topography near a dividing line of two physiographic provinces, "The Coastal Lowlands" to the south and "The Western Highlands" to the north. Collectively these two provinces comprise the coastal plain. The dividing line is generally considered to be Interstate Highway 10 (I-10), located approximately eight (8) miles southeast of the Site. "The Western Highlands", where the Site locates, are characterized by a gentle to strong sloping area, a well developed branching drainage pattern and "V" shaped valleys. Along larger tributaries, slopes are long and steep and ridge tops are narrow while along smaller streams the slopes are short and mild and ridge tops are broad and level. Surface elevations range from approximately 100 feet to 280 feet above mean sea level.

6.0 REGIONAL GEOLOGY

The principal near surface stratigraphic units in this area, from the surface in descending order, are the undifferentiated terrace marine and fluvial deposits of Pleistocene age, the Citronelle formation of Pliocene age and the Alum Bluff Group and Choctowhatchee formation of Miocene age.

The Site and general area is underlain, at land surface, by a permeable geologic unit comprised principally of quartz sand and gravel interbedded with numerous thin discontinuous clay and silt layers. This section is the undifferentiated terrace marine and fluvial deposits.

10. CONCLUSIONS AND RECOMMENDATIONS (CONTINUED)

4. The source of contamination to the perched aquifer system and the dry soils underlying the perched aquifer system appear to be stormwater discharges from the Fuel Truck Parking area to the leaky oil-water separator unit, and, the four (4) near-by compliance wells; and,

5. Based on the soil quality data collected from the deep borings drilled below the semi-confining hardpan unit, and the fact that 75 to 90-feet of "clean" soil exists between the water table of the primary surficial aquifer and the vertical extent of soil contamination at the source, it is unlikely that the groundwaters of the primary aquifer system are contaminated with petroleum contaminants above State standards; and,

6. Free-product is no longer present in any of the compliance or monitor wells; and,

7. There are no domestic or base supply wells located within a 1/2 mile radius of the Site.

incorrect

W. Grady Swann, Inc. recommends in the following order that:

1. The collection sump in the Fuel Truck Parking area and piping to the sludge tank and oil-water separator should be physically isolated from one another to ensure that stormwater is not discharged to the Site; and,

2. The four compliance wells should be pulled, overdrilled, and the resulting boreholes grouted with neat cement from bottom to top; and,

3. Water levels should be measured in all monitor wells which were found to be dry on or after the groundwater sampling event, or, where sufficient water was not present in the well to complete the analyses of those compounds belonging to the kerosene analytical group which were detected at MW-4. In other words, water samples should be collected from MWs 2 and 3 and analyzed for the total VOCs (BETX + MTBE), PAHs, and TRPHs. Waters from MWs 1 and 5 should be analyzed for the PAHs and TRPHs; and,

4. The excessively contaminated soils above the perching hardpan unit should be removed and properly disposed/treated. Care should be taken not to damage the hardpan unit. Following the removal of soil and any free-liquid which accumulates in the open hole, if the wells mentioned in paragraph 3, above are dry or water quality at those locations meets State standards, the excessively contaminated soil existing below the hardpan unit, based on a soil headspace reading of 50 ppm OVA-FID, should be excavated and properly disposed/treated.

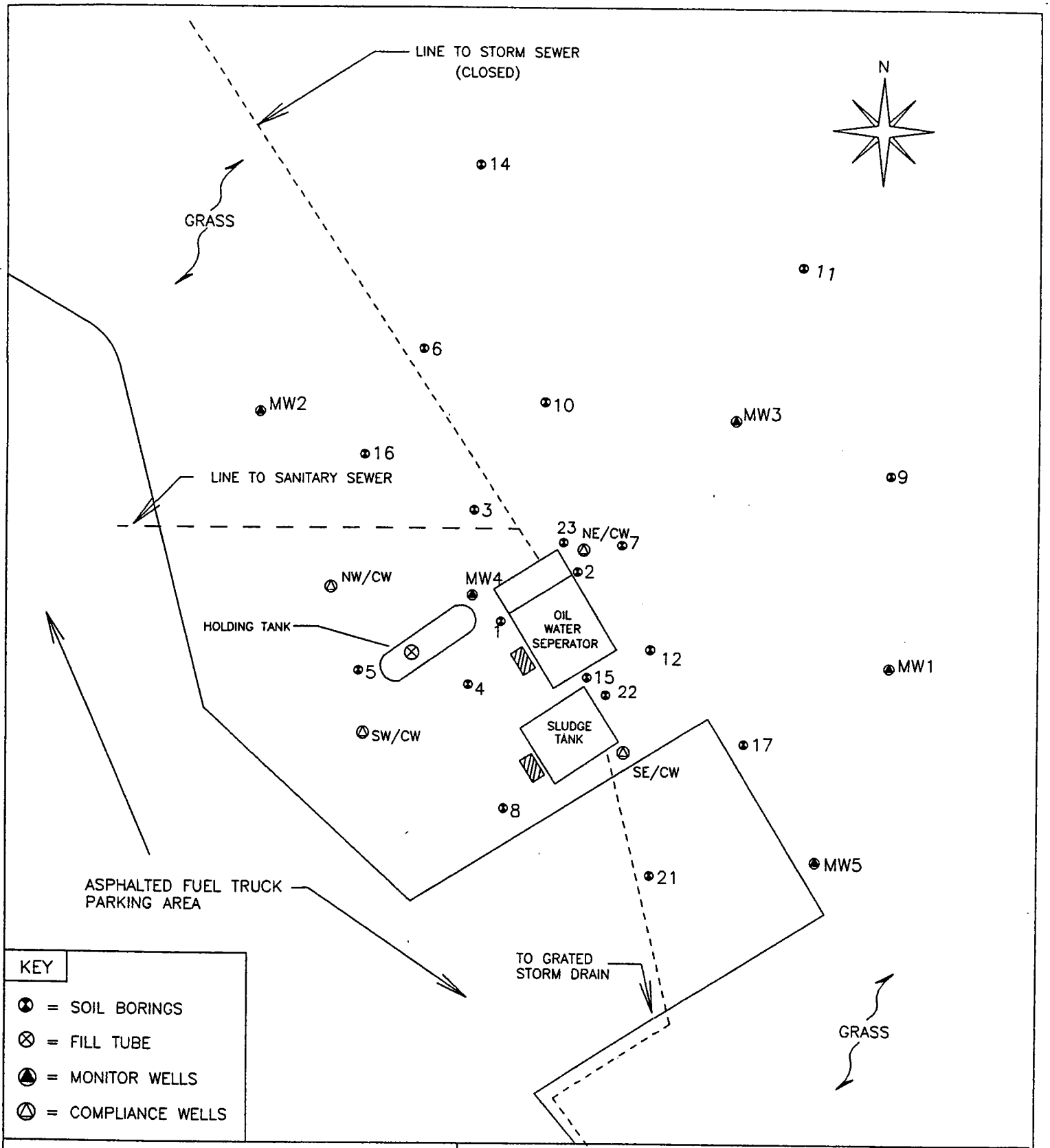


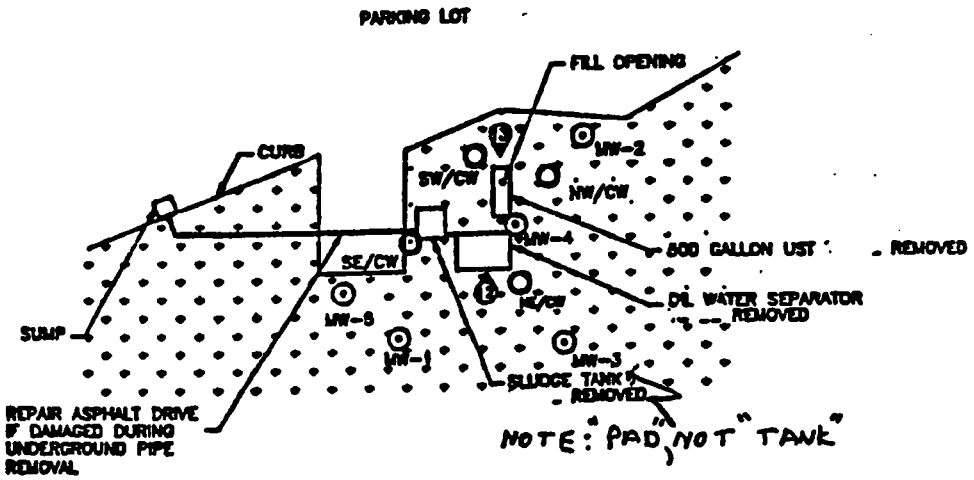
FIGURE 1
DETAILED SITE MAP
SITE 2993A
NAS WHITING FIELD
MILTON, FLORIDA

W. GRADY SWANN, INC.
3814 W. JACKSON STREET
PENSACOLA, FLORIDA 32505
(904) 432-5766

PROJECT NO: WGS95-0094	DATE: 5/16/95
FILE NAME: WHITING	SCALE: 1" = 10'

BUILDING 2993

NOT TO SCALE



LEGEND

- GRASS
- PHOTO NUMBER/DIRECTION
- MONITORING WELL (MW)
- COMPLIANCE WELLS (CW)
  - (SE = SOUTHEAST)
  - (SW = SOUTHWEST)
  - (NE = NORTHEAST)
  - (NW = NORTHWEST)

ALL REMOVED

ATTACHMENT C

OIL/WATER SEPARATOR SITE
PRODUCT LINE DISPENSING FACILITY
GROUNDWATER SAMPLING FIELD AND LABORATORY DATA

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: NAS Whiting Field PDF
Project No.: N7648

Sample ID No.: PDFGWMW015001
Sample Location: WHF-PDF-MW015
Sampled By: JA, JB
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 8-3-00								
Time: 1245								
Method: water level/bailer	clear	6.03	.127	23.8	373	2.02		

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 8-3-00								
Method: water level/bailer	Initial	6.09	.142	23.9	999	2.69		
Monitor Reading (ppm): —	1st	6.21	.149	23.6	999	1.46		
Well Casing Diameter & Material	2nd	5.99	.137	28.5	594	1.73	pump stopped @ 1051 to get water used	
Type: 2" PVC	3rd	6.04	.129	24.1	538	1.75		
Total Well Depth (TD): 115	4th	6.03	.129	23.6	419	1.67		
Static Water Level (WL): 106	5th	6.03	.127	23.8	373	2.02		
One Casing Volume(gal/L): 1.4								
Start Purge (hrs): 1037								
End Purge (hrs): 1245								
Total Purge Time (min): 128 min								
Total Vol. Purged (gal/L): ~7.0 gal								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA/VOH + MTBE	HCl	40 mL Vial	3
EDB	—	"	3
PAH	—	1 L Amber	2
TRPH	H_2SO_4	"	2
Total Pb	HNO_3	.5 L Plastic	1

OBSERVATIONS / NOTES:

.16
9'
1.44

Circle if Applicable:
MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: WHF-PDF-MW015 Depth to Bottom (ft.): 115 Responsible Personnel: Jeff Alexander
Site: PDF Site Static Water Level Before (ft.): 106.3 Drilling Co.: Kelly Drilling
Date Installed: _____ Static Water Level After (ft.): 106.2 Project Name: NAS WF
Date Developed: 7-21-00 Screen Length (ft.): 10' Project Number: 0052
Dev. Method: grunfos Specific Capacity: _____
Pump Type: " " Casing ID (in.): 2" PVC

1.4 gpm

9' .16 / 5 .16 / 1.44

Time 1110 1047	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.) DO
40 1115		1	106.2	28.9	6.34	.197	999	or. turbid 1.36
1124		3		28.8	6.26	.144	999	stopped pump/lowered
1129		5		27.2	6.22	.141	999	2.01
			probe hits pump		✓			stopped pump for recharge
1221		8	107.6	28.6	5.53	.075	999	2.52
1225		10		27.8	5.88	.069	999	2.92
	5 volumes purged, reddish clay still in water							
	drawdown completed. The grunfos may have been drawing entire water column into hose, therefore drawdown a problem.							

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page 1 of ____

Well: OWS-1MW
Site: Oil Water [redacted]a
Date Installed: [redacted]0
Date Developed: [redacted]-00
Dev. Method: Bail, Pump & Surge
Pump Type: Grundfos
Depth to Bottom (ft.): 100.45
Static Water Level Before (ft.): 86.45
Static Water Level After (ft.): ____
Screen Length (ft.): 15 feet
Specific Capacity: ____
Casing ID (in.): 2-Inch
Responsible Personnel: Gary J. Davis
Drilling Co.: Kelly Environ. Drilling
Project Name: NAS Whiting Field
Project Number: ~~N00~~ N7648

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	DO mg	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1101	.1	1	86.45	23.0	8.05	7.88	0.142	999	Sed. 0.00 (Yellowish brown)
1130		3 baled							Break for Lunch
1230	—	—	~~95.37~~						Setting up Grundfos
1310	.01	3	95.37						Pulled Grundfos - Not enough H2O
									Allowing Recovery
0750	5-16-00		96.03	Note Stick-up Completion added yesterday					
			↖ ~2.5' Stick up Now						

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: NAS Whiting Field OWS
Project No.: N7648

Sample ID No.: OWSGWMW01S001
Sample Location: OWS-MW01
Sampled By: JA, JB
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

SAMPLING DATA:

Date: 8 4 00	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Time: 1400	clear	5.94	.040	22.4	999	6.33		
Method: bailer								

PURGE DATA:

Date: 7 4 00	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: bailer	Initial	5.60	.072	22.3	75	6.40		↑
Monitor Reading (ppm): —	2g	5.65	.043	22.6	999	6.85		
Well Casing Diameter & Material	4g	5.86	.043	22.5	999	6.61		
Type: 2" PVC	6g	5.93	.042	22.3	999	6.45		Dr. Cloudy
Total Well Depth (TD): 103.9	8g	5.90	.040	22.4	999	6.40		↓
Static Water Level (WL): 90.8	10g	5.94	.040	22.4	999	6.33		
One Casing Volume(gal/L): 2g								
Start Purge (hrs): 903								
End Purge (hrs): 1024								
Total Purge Time (min): 81 min								
Total Vol. Purged (gal/L): ~10 gal								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA/VOH + MTBE	HCl	40 mL Vial	3
EDB	—	"	3
PAH	—	1L Amber	2
TRPH	H_2SO_4	"	2
Total Pb	HNO_3	.5L Plastic	1

OBSERVATIONS / NOTES:

Arrive @ 0900
1050

13
.16
178
130
2.08

Circle if Applicable:
MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: NAS Whiting Field
Project No.: N7648

Sample ID No.: OWS-GW-MW015-002
Sample Location: WHF-OWS-MW015
Sampled By: JB
C.O.C. No.: ___
Type of Sample:
- [X] Low Concentration
- [ ] High Concentration

- [ ] Domestic Well Data
- [X] Monitoring Well Data
- [ ] Other Well Type: ___
- [ ] QA Sample Type: ___

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 3-7-01								
Time: 1035								
Method: Bailer	Cloudy	4.70	.039	20.7	999	6.05		

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 3-7-01								
Method: bailer	Initial	5.09	.128	19.3	999	5.66		
Monitor Reading (ppm): —	1st	4.74	.046	20.1	999	5.93		
Well Casing Diameter & Material	2nd	4.79	.038	20.7	999	6.21		
Type: PVC 2"	3rd	4.70	.039	20.7	999	6.05		
Total Well Depth (TD): 103.93'								
Static Water Level (WL): 90.84'								
One Casing Volume(gal/L): 2.9Gal								
Start Purge (hrs): 0940								
End Purge (hrs): 1035								
Total Purge Time (min): 55								
Total Vol. Purged (gal/L): 9.5Gal								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
EDB (504.1)	—	40mL VOA	3
PAH (8310)	—	1L Amber	2
TRPH (FL PRO)	H_2SO_4	1L Amber	2

OBSERVATIONS / NOTES:

Cloudless sky, planes overhead, Brilliant sun, 65°F, Wind gust 15to20 mph.

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: N7648
DRILLING COMPANY: Kelly Envr. Drilling
DRILLING RIG: CT250 canterra

BORING No.: OWS-15 (Adj. OWS)
DATE: 5-14-00
GEOLOGIST: Gary J. Davis
DRILLER: Bobby Kelly

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0840 NA		NA	NA	0					See Adjacent Geoprobe boring Log. ~~20~~ 5 to 25'bgs.				
							Reddish brown to Dark Brown Sandy clayey gravelly fill.						
	10								Screened → w/ Mini FID	0	0	0	0
								SC to CL					
	20			Fill	med dense to med stiff					0	0	0	0
				~26'						0	0	0	0
0900					loose	reddish brown			Natural material				
	30	6/12	12/24"				silty clayey sand fine to med-grained.						
0915 SS					loose	very light brown to buff		SM	("beach sand")	0	0	0	0
						white silty sand w/ trace clay ~2-5%			damp				
						~5-10% silt			angular to subround				
	40	6/8	14/11				fine-med grained						
0930 SS		9/12	24"		loose		(same as above)	SM	damp	0	0	0	0
	50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): [redacted]

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: -15

Tetra Tech NUS, Inc.

BORING LOG

(Adj. OWS)

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: N7648
DRILLING COMPANY: Kelly Envir. Drilling
DRILLING RIG: CT 250 Canierra
BORING No.: OWS -15
DATE: 5-14-00
GEOLOGIST: Gary J. Davis
DRILLER: Bobby Kelly

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	50												
0945 SS		5 11 18 17	18" / 24"		loose	very light brown to buff white		SM	damp fine-med. grained angular - subround	0	0	0	0
				color change to Lt. Brown			silty sand w/ trace clay 2-5%		2-4" diam. clay balls in returns				
	60	6 11	18" / 24"				~5-10% silt						
1005 SS		13 19	24"		loose		(same as above)	SM	(Lt. gray to pinkish purple) clay balls in returns end	0	0	0	0
	70	5 9	"										
1020 SS		17 23	18" / 24"		loose		(same as above)	SM	damp (Lt. Gray - Pinkish Purple) ~2" diam clay balls in returns No clay balls	0	0	0	0
	60	8 16	12" /										
1043 SS		27 31	24		loose		(same as above ~81.5-81.8 pinkish purple color	SM	damp to moist	0	0	0	0
				~▼									
	90	2 3	24" /										
1100 SS		5 5	24		loose	Lt. Brown to Lt. gray	clayey silt to fine sand ~40-60% silt ~20% fine sand ~20-30% clay	SC	Saturated	0	0	0	0
	100	6 9	24" / 24"						Saturated				
20 SS		10 17		100-102'		Lt. gray to ochre mottled		CL	silty clay	0	0	0	0

* When rock is encountered, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

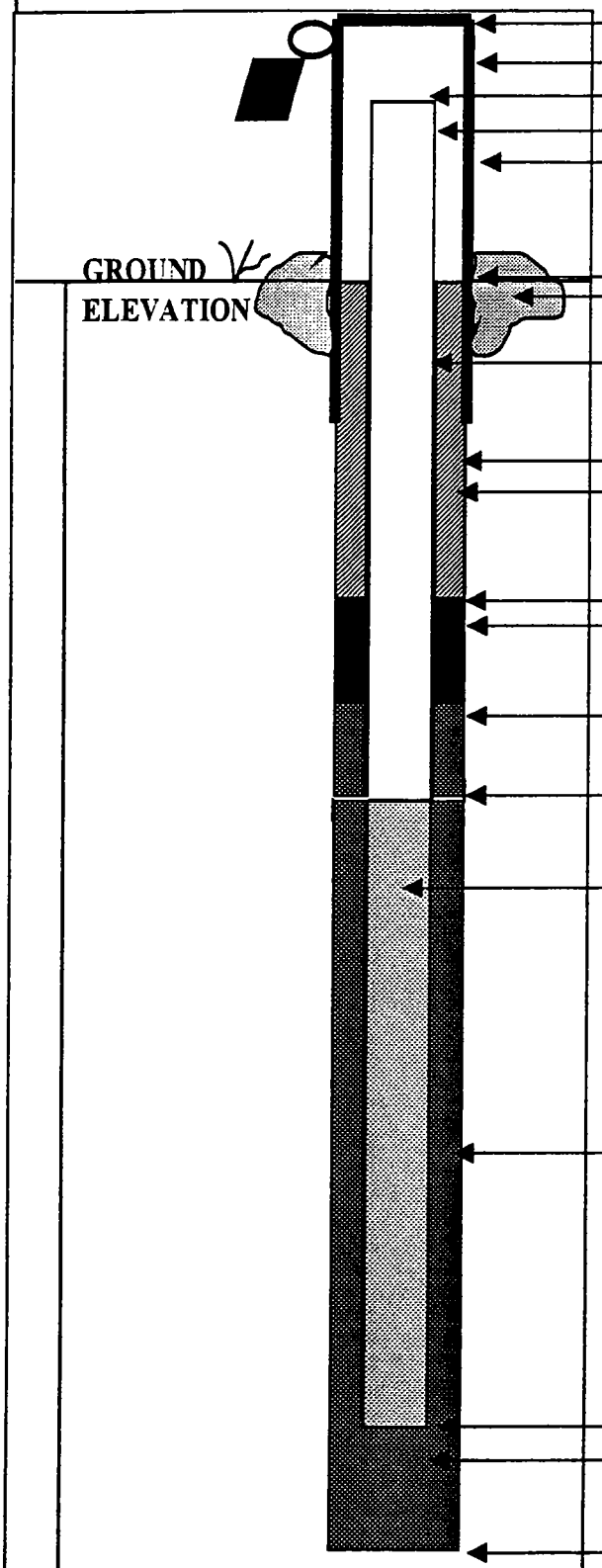
Remarks: Terminated drilling at 100' BGS to set well

erted to Well: Yes ✓ No _____ Well I.D. #: -15

BORING NO.: -1S

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT:	NAS Whiting Field	DRILLING Co.:	Kelly Envir. Drilling	BORING No.:	-1S
PROJECT No.:	N7648	DRILLER:	Bobby Kelly	DATE COMPLETED:	5-14-00
SITE:	OWS	DRILLING METHOD:	HSA	NORTHING:	
GEOLOGIST:	Gary T. Davis	DEV. METHOD:		EASTING:	



ELEVATION OF TOP OF SURFACE CASING:

STICK-UP TOP OF SURFACE CASING:

ELEVATION OF TOP OF RISER PIPE:

RISER STICK-UP ABOVE GROUND SURFACE:

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING:

GROUND ELEVATION:

TYPE OF SURFACE SEAL: Concrete Pad

RISER PIPE I.D.: 2-Inch

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 2 1/4-inch

TYPE OF SEAL: Grout Portland/Bentonite

6 bags Portland ½ bag Quik-GEL (Baroid) + 2 1/100 gal. water

ELEVATION / DEPTH OF SEAL: 181

TYPE OF SEAL: Bentonite

1 bag Baroid Hole Plug

ELEVATION / DEPTH TOP OF FILTER PACK: 183

ELEVATION / DEPTH TOP OF SCREEN: 185

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 10 slot (0.01) x 15 ft

I.D. OF SCREEN: 2"-ID

TYPE OF FILTER PACK: Filter-Sil Silica Sand

20/30 Unimin Corp. 50 lb bags

ELEVATION / DEPTH BOTTOM OF SCREEN: 1100

ELEVATION / DEPTH BOTTOM OF FILTER PACK: 1100

TYPE OF BACKFILL BELOW WELL: Natural

ELEVATION / DEPTH OF BOREHOLE: 1100

Tetra Tech NUS, Inc.

DAILY ACTIVITIES RECORD

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: N0052
CLIENT:
LOCATION: OWS-15
DATE: 5-15-00
ARRIVAL TIME:
Tt NUS PERSONNEL: Gary J. Davis
DEPARTURE TIME:
CONTRACTOR: Kelly Environ. Drilling
DRILLER: Bobby Kelly

0730 Reggie
0930 Bobby
1100 Max Heise

1145 Reggie
1200 Left

Bobby + Max left at ~1900

ITEM	QUANTITY ESTIMATE	QUANTITY TODAY	PREVIOUS TOTAL QUANTITY	CUMULATIVE QUANTITY TO DATE
Decon pad cleanup	3.	3.5		
Grouting		5 boreholes		
Reggie helped preparations for grouting & Decon		3.5 hrs.		
Bobby decon'ed		~~3.5 hrs.~~ typo	2 hrs. (arrived 0930)	
Bobby & Max grouting		~ 6.25 hours		

COMMENTS: Reggie left at about 1200 after Max replaced him. Reggie hurt his foot at home last night, says cut his big toe

APPROVED BY:

Gary J. Davis
Tt NUS REPRESENTATIVE

Bobby Kelly
DRILLER

DATE:

Sample Summary

Tetra-Tech, NUS

Job No: F7253

NAS Whiting Field PO#NOO52-MSA0200-014
Project No: 0052-WR-05

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F7253-1	08/03/00	12:45	JA	08/04/00	AQ	Ground Water	PDFGWMW015001
F7253-2	08/03/00	00:00	JA	08/04/00	AQ	Trip Blank Water	13TB080201

Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	Date Sampled:	08/03/00
Matrix:	AQ - Ground Water	Date Received:	08/04/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0014092.D	1	08/17/00	RAW	n/a	n/a	VG392
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene [a]	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone [a]	ND	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	1.8	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	Date Sampled:	08/03/00
Matrix:	AQ - Ground Water	Date Received:	08/04/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		69-128%
2037-26-5	Toluene-D8	87%		80-120%
460-00-4	4-Bromofluorobenzene	105%		80-120%

(a) Elevated reporting limit due to coeluting non-target compounds.

Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	Date Sampled:	08/03/00
Matrix:	AQ - Ground Water	Date Received:	08/04/00
Method:	EPA 504.1	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08836.D	1	08/15/00	SKW	n/a	n/a	GMN341
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

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

Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	Date Sampled:	08/03/00
Matrix:	AQ - Ground Water	Date Received:	08/04/00
Method:	EPA 8310	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA003625.D	1	08/10/00	NF	08/07/00	OP1921	GAA116
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		29-133%
92-94-4	p-Terphenyl	82%		33-133%

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

Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	Date Sampled:	08/03/00
Matrix:	AQ - Ground Water	Date Received:	08/04/00
Method:	FLORIDA-PRO	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP10241.D	1	08/14/00	ME	08/09/00	OP1928	GOP425
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	0.827	0.28	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	Date Sampled:	08/03/00
Matrix:	AQ - Ground Water	Date Received:	08/04/00
		Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Lead	1.6 U	5.0	ug/l	1	08/10/00	08/17/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	13TB080201		
Lab Sample ID:	F7253-2	Date Sampled:	08/03/00
Matrix:	AQ - Trip Blank Water	Date Received:	08/04/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0014093.D	1	08/17/00	RAW	n/a	n/a	VG392
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

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

Report of Analysis

Client Sample ID:	13TB080201		
Lab Sample ID:	F7253-2	Date Sampled:	08/03/00
Matrix:	AQ - Trip Blank Water	Date Received:	08/04/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		69-128%
2037-26-5	Toluene-D8	91%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	**Date Sampled:**	08/03/00
Matrix:	AQ - Ground Water	**Date Received:**	08/04/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0014092.D	1	08/17/00	RAW	n/a	n/a	VG392
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene [a]	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone [a]	ND	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	1.8	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

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

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Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	**Date Sampled:**	08/03/00
Matrix:	AQ - Ground Water	**Date Received:**	08/04/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		69-128%
2037-26-5	Toluene-D8	87%		80-120%
460-00-4	4-Bromofluorobenzene	105%		80-120%

(a) Elevated reporting limit due to coeluting non-target compounds.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	13TB080201		
Lab Sample ID:	F7253-2	**Date Sampled:**	08/03/00
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/04/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0014093.D	1	08/17/00	RAW	n/a	n/a	VG392
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	13TB080201		
Lab Sample ID:	F7253-2	**Date Sampled:**	08/03/00
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/04/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		69-128%
2037-26-5	Toluene-D8	91%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	**Date Sampled:**	08/03/00
Matrix:	AQ - Ground Water	**Date Received:**	08/04/00
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08836.D	1	08/15/00	SKW	n/a	n/a	GMN341
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	**Date Sampled:**	08/03/00
Matrix:	AQ - Ground Water	**Date Received:**	08/04/00
Method:	EPA 8310	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA003625.D	1	08/10/00	NF	08/07/00	OP1921	GAA116
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		29-133%
92-94-4	p-Terphenyl	82%		33-133%

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

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Report of Analysis

Client Sample ID:	PDFGWMW015001		
Lab Sample ID:	F7253-1	**Date Sampled:**	08/03/00
Matrix:	AQ - Ground Water	**Date Received:**	08/04/00
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP10241.D	1	08/14/00	ME	08/09/00	OP1928	GOP425
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	0.827	0.28	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		40-140%

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

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ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST QUOTE #: F7253 012

CLIENT INFORMATION

NAME: Tetra Tech NUS, Inc
ADDRESS: 1401 Oven Park Dr. Suite 102
CITY: Tallahassee STATE: FL ZIP: 32312
SEND REPORT TO: Paul Calligan
PHONE #: 850-385-4899

FACILITY INFORMATION

PROJECT NAME: NAS Whiting - PDF
LOCATION: Milton FL
PROJECT NO.: 7648-00-00-BW00501
FAX #: 850-385-9860

ANALYTICAL INFORMATION

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	VOA/VOH/MTBE (8260)	EDB (504.1)	PAH (8310)	TRPH (FL-PRO)	Total Pb (6010B)
1	PDFGWMW015001	8-3-00	1245	JA	GW	11	✓		✓✓		✓	3	3	2	2	1
2	13TB080[illegible]2051											2				

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY: _____

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY) _____

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME: 1700 8-3-00	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.		1.	2.		2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE C

1 8/4 0940

Sample Summary

Tetra-Tech, NUS

Job No: F7266

NAS Whiting Field PO#NOO52-MSA0200-014
Project No: 0052-WR-06

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F7266-1	08/04/00	14:00	JA	08/05/00	AQ	Ground Water	OWSGWMW01S001
F7266-2	08/04/00	00:00	JA	08/05/00	AQ	Trip Blank Water	OWSTB080400

Report of Analysis

Client Sample ID:	OWSGWMW01S001		
Lab Sample ID:	F7266-1	Date Sampled:	08/04/00
Matrix:	AQ - Ground Water	Date Received:	08/05/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0014139.D	1	08/18/00	RAW	n/a	n/a	VG392
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	0.54	1.0	ug/l	J
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

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

Report of Analysis

Client Sample ID:	OWSGWMW01S001		
Lab Sample ID:	F7266-1	Date Sampled:	08/04/00
Matrix:	AQ - Ground Water	Date Received:	08/05/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		80-120%
17060-07-0	1,2-Dichloroethane-D4	82%		69-128%
2037-26-5	Toluene-D8	88%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	OWSGWMW01S001		
Lab Sample ID:	F7266-1	Date Sampled:	08/04/00
Matrix:	AQ - Ground Water	Date Received:	08/05/00
Method:	EPA 504.1	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08830.D	1	08/15/00	SKW	n/a	n/a	GMN341
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	0.040	0.020	ug/l	

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	OWSGWMW01S001		
Lab Sample ID:	F7266-1	Date Sampled:	08/04/00
Matrix:	AQ - Ground Water	Date Received:	08/05/00
Method:	EPA 8310	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA003626.D	1	08/10/00	NF	08/07/00	OP1921	GAA116
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.70	2.2	ug/l	J
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		29-133%
92-94-4	p-Terphenyl	81%		33-133%

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

Report of Analysis

Client Sample ID:	OWSGWMW01S001		
Lab Sample ID:	F7266-1	Date Sampled:	08/04/00
Matrix:	AQ - Ground Water	Date Received:	08/05/00
Method:	FLORIDA-PRO	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP10222.D	1	08/14/00	ME	08/09/00	OP1928	GOP424
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	0.392	0.28	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		40-140%

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

Report of Analysis

Client Sample ID:	OWSGWMW01S001		
Lab Sample ID:	F7266-1	Date Sampled:	08/04/00
Matrix:	AQ - Ground Water	Date Received:	08/05/00
		Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Lead	1.6 U	5.0	ug/l	1	08/10/00	08/17/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	OWSTB080400		
Lab Sample ID:	F7266-2	Date Sampled:	08/04/00
Matrix:	AQ - Trip Blank Water	Date Received:	08/05/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0014140.D	1	08/18/00	RAW	n/a	n/a	VG392
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

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

Report of Analysis

Client Sample ID:	OWSTB080400		
Lab Sample ID:	F7266-2	Date Sampled:	08/04/00
Matrix:	AQ - Trip Blank Water	Date Received:	08/05/00
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		80-120%
17060-07-0	1,2-Dichloroethane-D4	89%		69-128%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWSGWMW01S001		
Lab Sample ID:	F7266-1	**Date Sampled:**	08/04/00
Matrix:	AQ - Ground Water	**Date Received:**	08/05/00
		Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Lead	1.6 U	5.0	ug/l	1	08/10/00	08/17/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tetra Tech NUS, Inc.
ADDRESS: 1401 Oven Park Dr. Suite 102
CITY, STATE, ZIP: Tallahassee, FL 32312
SEND REPORT TO:
PHONE #: 850-385-9899

FACILITY INFORMATION

PROJECT NAME: NAS Whiting - PDF
LOCATION: Milton, FL
PROJECT NO.: 7648.0000.BW0060101
FAX #: 850-385-9860

ANALYTICAL INFORMATION

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO_3	PRESERVATION H_2SO_4	PRESERVATION NONE	VOA/VOH+MTBE (8260)	EDB (504.1)	PAH (8310)	TRPH (FL-PRO)	Total Pb (6010B)
FT266-1	OWSGWMW015001	8-4-00	1400	JA	GW	11	✓		✓	✓	✓	3	3	2	2	1
-2	OWSTB080400											2	(Trip Blank)			

MATRIX CODE
DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONL

DATA TURNAROUND INFORMATION

- [X] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [X] STANDARD
- [ ] COMMERCIAL "B"
- [X] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

3.0

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	8-4-00 1700	1. 8/5/00 1030	2.		2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C

Sample Summary

Tetra-Tech, NUS

Job No: F9135

NAS Whiting Field PO#NOO52-MSA0200-014
Project No: WR-06 N7648 CTO 37

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F9135-1	03/07/01	10:35	JB	03/08/01	AQ	Ground Water	OWS-GW-MW015-002

Report of Analysis

Client Sample ID:	OWS-GW-MW015-002		
Lab Sample ID:	F9135-1	Date Sampled:	03/07/01
Matrix:	AQ - Ground Water	Date Received:	03/08/01
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD01502.D	1	03/16/01	SKW	03/16/01	OP2867	GDD57
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	0.028	0.020	ug/l	

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	OWS-GW-MW015-002		
Lab Sample ID:	F9135-1	Date Sampled:	03/07/01
Matrix:	AQ - Ground Water	Date Received:	03/08/01
Method:	EPA 8310 SW846 3510C	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE002306.D	1	03/16/01	MRE	03/14/01	OP2855	GEE115
Run #2							

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		29-133%
92-94-4	p-Terphenyl	50%		33-133%

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

Report of Analysis

Client Sample ID:	OWS-GW-MW015-002		
Lab Sample ID:	F9135-1	Date Sampled:	03/07/01
Matrix:	AQ - Ground Water	Date Received:	03/08/01
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP13957.D	1	03/13/01	NJ	03/09/01	OP2837	GOP547
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	0.28	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		40-140%

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

ACCUTEST.

03/22/01

Technical Report for

Tetra-Tech, NUS

NAS Whiting Field PO#NOO52-MSA0200-014

WR-06 N7648 CTO 37

Accutest Job Number: F9135

Report to:

Tetra Tech, NUS
1401 Oven Park. Dr.
Suite 102
Tallahassee, FL 32312

ATTN: Howard Engle

Total number of pages in report: 132

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES SOUTHEAST
SAMPLE RECEIPT CONFIRMATION

Accutest Job Number: F9135

Client/Project: Tetra Tech / Whiting Field

Date/Time Received: 3-8-01 10:00

Method of Delivery: (Fed Ex) Greyhound UPS Pickup Delivery Other

Air Bill Number: 8196 8941 4590

Cooler Temperatures: 3.2°

Custody Seals Intact?	(YES)	NO
Chain Of Custody Provided?	(YES)	NO
Chain Of Custody Match Bottles?	(YES)	NO
Sample Labels Present?	(YES)	NO
Are All Bottles Unbroken?	(YES)	NO
Proper Preservative?	(YES)	NO
Correct Containers Used?	(YES)	NO
Sufficient Sample Volume?	(YES)	NO

Number of Encores: Ø

COMMENTS:

Signature: [signature] Date: 3-8-01

TABLE OF CONTENTS
FULL LABORATORY DATA DELIVERABLES

ACCUTEST.

Sample Summary

Tetra-Tech, NUS

Job No: F9135

NAS Whiting Field PO#NOO52-MSA0200-014
Project No: WR-06 N7648 CTO 37

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F9135-1	03/07/01	10:35 JB	03/08/01	AQ	Ground Water	OWS-GW-MW015-002

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-GW-MW015-002		
Lab Sample ID:	F9135-1	**Date Sampled:**	03/07/01
Matrix:	AQ - Ground Water	**Date Received:**	03/08/01
Method:	EPA 504.1 EPA 504	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD01502.D	1	03/16/01	SKW	03/16/01	OP2867	GDD57
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	0.028	0.020	ug/l	

(a) All hits confirmed by dual column analysis.

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

ACCUTEST

Report of Analysis

Client Sample ID:	OWS-GW-MW015-002		
Lab Sample ID:	F9135-1	**Date Sampled:**	03/07/01
Matrix:	AQ - Ground Water	**Date Received:**	03/08/01
Method:	EPA 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE002306.D	1	03/16/01	MRE	03/14/01	OP2855	GEE115
Run #2							

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		29-133%
92-94-4	p-Terphenyl	50%		33-133%

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

ACCUTEST

Report of Analysis

Client Sample ID:	OWS-GW-MW015-002		
Lab Sample ID:	F9135-1	**Date Sampled:**	03/07/01
Matrix:	AQ - Ground Water	**Date Received:**	03/08/01
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP13957.D	1	03/13/01	NJ	03/09/01	OP2837	GOP547
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	0.28	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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CHAIN OF CUSTODY

ACCUTEST

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ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F9135
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tetra Tech NUS
ADDRESS: 1401 Oven Park Dr.
CITY, STATE, ZIP: Tallahassee FL 32308
SEND REPORT TO: Paul Calligan
PHONE #: 850-385-9899

FACILITY INFORMATION

PROJECT NAME: NAS Whiting Field
LOCATION: Milton, FL
PROJECT NO.: WR-06 N7648 CTO 37
FAX #: 850-385-9860

ANALYTICAL INFORMATION

EDB 504.1
PAH 8310
TRPH FL-PRO

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	LAB USE ONLY
1	OWS-GW-MW015-002	3-7-01	1035	JB	GW	7				✓	✓	3 2 2

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER _____

APPROVED BY: _____

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [x] STANDARD
- [ ] COMMERCIAL "B"
- [x] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY) _____

COMMENTS/REMARKS

Airbill #819689414590

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	3/7/01 1700	1.	2.		2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE / TEMPERATURE
5		5			

ATTACHMENT D

OIL/WATER SEPARATOR AND PRODUCT LINE PUMP STATION SITES
IRA SOIL DISPOSAL DOCUMENTATION

DEPARTMENT OF THE NAVY

NAVFAC FIELD OFFICE, PENSACOLA
RESIDENT OFFICER IN CHARGE OF CONTRACTS
520 TURNER STREET
NAVAL AIR STATION
PENSACOLA, FLORIDA 32508-5225
TELEPHONE: COMMERCIAL 850/452-4616, DSN 922-4616
FAX 850/452-4505

IN REPLY REFER TO:

N62467-99-Q-3137
Ser:001/231.1
6 July 1999

MEMORANDUM

From: Resident Officer in Charge of Construction, Pensacola Region, NASWF Detachment, Naval Air Station Whiting Field, Milton, FL

To: Public Works Officer, Naval Air Station Whiting Field, Milton, Fl (ATTN: Jim Holland, Code 183AH)

Subj.: CONTRACT N62467-99-Q-3137; Transportation and Disposal of Contaminated Soil, Naval Air Station Whiting Field, Milton, FL

Encl.: (1) EFDSouth Customer Comment Form

1. Please help us improve our service by answering the questions On Enclosure (1) and return it to Southern Division, NAVFAC.

2. Non-Hazardous Waste Manifest Numbers 2445 through 2507, dated June 1, 2, 3 and 4, 1999 are attached. These manifests document that 1493.47 tons of contaminated soil were removed from NASWF and disposed of in accordance with the subject contract. A certificate of Disposal prepared by Hudsco, Inc., dated June 16, 1999 attesting to the proper disposal is also attached.

3. Our point of contact is the undersigned, (850) 623-7246,19.

John A. Nicholls
Project Manager

HUDSCO, INC.

8810 PAUL STARR DRIVE
PENSACOLA, FL 32514

Certificate of Disposal

Hudsco, Inc. hereby certifies that 1,493.47 tons of petroleum impacted soil generated by:

NAVFAC FIELD OFFICE, ROICC
520 TURNER STREET
NAS PENSACOLA, FL 32508-5225

and originating at the site address:

NAS WHITING FIELD
BUILDING 2993
MILTON, FL

have been received for thermal treatment and disposal at 8810 Paul Starr Drive, Pensacola, FL 32514 in compliance with all applicable rules and regulations set forth by Local, State and Federal authorities and strictly in accordance with Permit Nos. AO17-217356 and AC17-237356.

HUDSCO, INC.

Meredith Lancaster

Meredith Lancaster
Environmental Coordinator

6-16-99
Date

NON-HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. N/A | Manifest Document No. 00001 | 2. Page 1 of 2415

3 Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL

4 Generator's Phone (850)

5. Transporter 1 Company Name: Soil Remediation, Inc. | 6. US EPA ID Number: N/A | A. Transporter's Phone: 912-455-2300

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

9 Designated Facility Name and Site Address
Hudson, Inc.
2810 Paul Starr Drive
Pensacola, FL 32514
10. US EPA ID Number: N/A
C. Facility's Phone: 850-477-7088

11 Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14 Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.4	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name: James B Holland | Signature | Month 6 | Day 1 | Year 99

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Tommy Locke | Signature: Tommy Locke | Month 6 | Day 1 | Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials

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

19. Discrepancy Indication Space

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

Printed/Typed Name: Mike Hickle | Signature | Month 6 | Day 1 | Year 99

GENERATOR — TRANSPORTER — FACILITY

ORIGINAL – RETURN TO GENERATOR

97

[redacted]

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: N/A
Manifest Document No: 00002
2. Page 1 of 1
2446

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL

4. Generator's Phone (850)

5. Transporter 1 Company Name: Soil Remediation, Inc.
6. US EPA ID Number: N/A
A. Transporter's Phone: 912-455-2300

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

9. Designated Facility Name and Site Address
Hudson, Inc.
8810 Paul Starr Drive
Pensacola, FL 32514
10. US EPA ID Number: N/A
C. Facility's Phone: 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		BT	23rd	T
b.				
c				
d.				

D. Additional Descriptions for Materials Listed Above: Non-RCRA, Non-Hazardous
E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

GENERATOR

Printed/Typed Name: James B Holland
Signature: James B Holland
Month 6 Day 1 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Frederick Snyder
Signature
Month 05 Day 01 Year 01

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

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Mike Fletcher
[redacted]
Month 06 Day 01 Year 01

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

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

Manifest Document No.: 00003

2. Page 1 of 1

2447

3 Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name: Soil Remediation, Inc.

6. US EPA ID Number: N/A

A. Transporter's Phone: 912-455-2300

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9 Designated Facility Name and Site Address
Hudson, Inc.
8810 Pearl Street Drive
Pensacola, FL 32514

10. US EPA ID Number: N/A

C Facility's Phone: 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	Type	13 Total Quantity	Wt/Vol
a. Petroleum Impacted Soil		DT	23.17	T
b				
c.				
d.				

D Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name: James A Holland | Signature | Month 10 Day 1 Year 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: David L Cummings | Signature | Month 10 Day 1 Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19 Discrepancy Indication Space

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

Printed/Typed Name: Mike Fulcher | Signature | Month 10 Day 1 Year 99

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: N/A	Manifest Document No: 00004	2. Page 1 of	2448

GENERATOR

3. Generator's Name and Mailing Address: U.S. Navy Public Works Center, NAS Whiting Field Bldg. 2993, Milton, FL.

4. Generator's Phone: 850

5. Transporter 1 Company Name: Soil Remediation, Inc. | 6. US EPA ID Number: N/A | A. Transporter's Phone: 912-455-2300

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

9. Designated Facility Name and Site Address: Hudson, Inc., 2810 Paul Starr Drive, Pensacola, FL 32514 | 10. US EPA ID Number: N/A | C. Facility's Phone: 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.60	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James D Holland	James D Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY LEE	Danny Lee	6	1	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike McClellan		6	1	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2449
N/A	00005		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone 850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.42	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Frederick Snyder	For Snyder	06	01	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher		6	1	99

ORIGINAL – RETURN TO GENERATOR

Rev. 1/97

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2450
N/A	00006		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone **850**)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	**N/A**	**912-455-2300**
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address **Hudsco, Inc.** **8810 Paul Starr Drive** **Pensacola, FL 32514**	10. US EPA ID Number **N/A**	C. Facility's Phone **850-477-7088**

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. **Petroleum Impacted Soil**		DT	25.66	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	6	9	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
M. A. Keller	M. A. Keller	6	9	99

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

NSN 7540-00-900-5000 Rev. 1/97

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00007		2451

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	25.26	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANA L Cummings	Dana L Cummings	6	1	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

[redacted] Mike Fetter	Signature	Month	Day	Year
		6	1	99

ORIGINAL – RETURN TO GENERATOR

[redacted] Rev. 1/97

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
N/A	00008	2452

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone **850**)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	**912-455-2300**
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. **8810 Paul Starr Drive** **Pensacola, FL 32514**	N/A	**850-477-7088**

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. **Petroleum Impacted Soil**		DT	23.92	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

TRANSPORTER

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Danny Lee	Danny Lee	6	1	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher	Mike Fletcher	6	1	99

Printed by KELLER PRODUCTS
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Rev. 1/97

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00009		2453

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.70	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	06	01	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Frederick Snyder	FW Snyder	06	01	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fickett		06	1	99

ORIGINAL – RETURN TO GENERATOR

EPA Form 8700-22 (Rev. 3-97)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2454
N/A	00010		

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.81	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	6	01	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher		6	1	99

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2456
N/A	00012		

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.09	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY Lee	Danny Lee	6	1	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher		6	1	99

GENERATOR — TRANSPORTER — FACILITY

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00013		2457

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.84	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	06	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fredrick Snyder	Fw Snyder	06	01	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
M. Kelly	M Kelly	06	1	99

ORIGINAL – RETURN TO GENERATOR

97

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2458
N/A	00014		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	26.70	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Lake	Tommy Lake	6	01	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher		6	1	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2459
N/A	00015		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	29.74	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
David L Cummings	David L Cummings	6	1	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher		6	1	99

ORIGINAL – RETURN TO GENERATOR

97

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	[illegible]		2460

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	942-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Rhodes, Inc. 8810 Pearl Stem Drive Pensacola, FL 32514	N/A	850-477-7000

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		BT	23.08	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Danny Lee	Danny Lee	6	1	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher	Mike Fletcher	6	1	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00017		24601

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	2667	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	6	01	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher		6	1	99

ORIGINAL – RETURN TO GENERATOR

1797

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00018		2462

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.36	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Frederick Snyder		06	01	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher		6	1	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2463
N/A	00019		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.06	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Danny Lee	Danny Lee	6	1	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher		6	1	99

ORIGINAL – RETURN TO GENERATOR

797

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2464
N/A	00020		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone 850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	25.97	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	1	95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Daniel L Cummings	Daniel L Cummings	6	1	95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Mike Fletcher	Mike Fletcher	6	1	95

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2465
N/A	00021		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name: Soil Remediation, Inc.
6. US EPA ID Number: N/A
A. Transporter's Phone: 912-455-2300

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

9. Designated Facility Name and Site Address
Hudsco, Inc.
8810 Paul Starr Drive
Pensacola, FL 32514
10. US EPA ID Number: N/A
C. Facility's Phone: 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.21	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STARLER	Ronald Starler	10	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAVID LEE	David Lee	10	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JAY PRESCOTT	Jay Prescott	10	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00022		24666

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	22.95	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
John PRESCOTT	John PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00023		2467

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.23	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fredrick Snyder	FW Snyder	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JM PRESCOTT	JM PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2468
N/A	00024		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	**912-455-2300**
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address **Hudsco, Inc.** **8810 Paul Starr Drive** **Pensacola, FL 32514**	10. US EPA ID Number N/A	C. Facility's Phone **850-477-7088**

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. **Petroleum Impacted Soil**		DT	23.37	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STARLER	Ronald Starler	10	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAVID L. CUMMINGS	David L Cummings	10	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
J.R. PRESCOTT	J.R. PRESCOTT	10	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2469
N/A	00025		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	
a. Petroleum Impacted Soil		DT	22.48	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY LEE	Danny Lee	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JAY PRESCOTT	JAY PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00026		2470

GENERATOR

3. Generator's Name and Mailing Address

U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone 850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.35	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	6	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	10	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jay Prescott	Jay Prescott	10	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00027		2471

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudaco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	22.77	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fredrick Snyder	Fred Snyder	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
J.R. PRESCOTT	J.R. Prescott	12	02	99

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2505
N/A	00061		

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	22.47	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	4	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Daniel W. Cummings	Daniel W Cummings	6	4	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jim Prescott	Jim Prescott	06	04	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00028		2472

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.39	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANIEL L CLEMONS	Daniel L Clemons	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JAY PRESCOTT	JAY PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00029		2473

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.16	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY LEP	Danny Lep	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

~~Printed/Typed Name~~	~~Signature~~	Month	Day	Year
JM PRESCOTT	JM PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00030		2474

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.9	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JIM PRESCOTT	JIM PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2475
N/A	00031		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	22.29	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Frederick Snyder	F W Snyder	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JIM PRESCOTT	JIM PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00032		2476

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name: Soil Remediation, Inc.
6. US EPA ID Number: N/A
A. Transporter's Phone: 912-455-2300

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

9. Designated Facility Name and Site Address
Hudsco, Inc.
8810 Paul Starr Drive
Pensacola, FL 32514
10. US EPA ID Number: N/A
C. Facility's Phone: 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.42	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABER	Ronald Staber	10	02	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANIEL L CUMMINGS	Daniel L Cummings	10	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JIM PRESCOTT	JIM PRESCOTT	10	02	99

GENERATOR
TRANSPORTER
FACILITY

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00033		2477

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.72	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
Ronald STARLER	Ronald Starler	10	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY Lee	DANNY Lee	10	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

~~Printed~~/Typed ~~Name~~	Signature	Month	Day	Year
JM PRESCOTT	JM PRESCOTT	10	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00034		2478

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.46	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jim Prescott	Jim Prescott	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00035		2479

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone 850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.53	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Frederic Snyder	Fr Snyder	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jm PRESCOTT	Jm PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00036		2480

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.08	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Donald L. Cummings	Donald L Cummings	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jim PRESCOTT	Jim Prescott	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00037		2481

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone 850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.10	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DARRY Lee	Darry Lee	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jay PRESCOTT	Jay PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00038		2482

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.37	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STALEY	Ronald Staley	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	6	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jm PRESCOTT	Jm PRESCOTT	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2483
N/A	00039		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	22.71	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fredrick Snyder	For	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jm Prescott	Jm Prescott	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00040		2484

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.50	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	02	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAVID L. CUMMINGS	David L Cummings	06	02	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JAY PRESLOH	Jay Presloh	06	02	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	000 1		2485

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23,10	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY LEE	Danny Lee	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jm Prescott	Jm Prescott	06	03	99

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2486
N/A	00042		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	22.51	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fredrick Snyder	FW Snyder	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

~~Printed/Typed Name~~	~~Signature~~	Month	Day	Year
Jm PRESCOTT	Jay PRESCOTT	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2487
N/A	00043		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	22.20	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY Lee	Danny Lee	10	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JM PRESCOTT	Jay Prescott	10	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00044		2488

GENERATOR

3. Generator's Name and Mailing Address

U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone **850**)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	**N/A**	**912-455-2300**
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. **8810 Paul Starr Drive** **Pensacola, FL 32514**	**N/A**	**850-477-7088**

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. **Petroleum Impacted Soil**		DT	22.77	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
Ronald Stalter	Ronald Stalter	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Frederick Snyder	FW Snyder	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
J.A. PRESCOTT	J.A. PRESCOTT	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00045		2489

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.52	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABER	Ronald Staber	10	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[redacted] L. Cummings	[illegible]	10	03	99
Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jim PRESCOTT	Jim PRESCOTT	10	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00046		2490

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	**912-455-2300**
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address **Hudsco, Inc.** **8810 Paul Starr Drive** **Pensacola, FL 32514**	10. US EPA ID Number N/A	C. Facility's Phone **850-477-7088**

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. **Petroleum Impacted Soil**		DT	24.12	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	03	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANIEL L CUMMINGS	Daniel L Cummings	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JIM PRESCOTT	JIM PRESCOTT	06	03	99

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	06047		2491

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name: Soil Remediation, Inc.
6. US EPA ID Number: N/A
A. Transporter's Phone: 912-455-2300

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

9. Designated Facility Name and Site Address
Hudsco, Inc.
8810 Paul Starr Drive
Pensacola, FL 32514
10. US EPA ID Number: N/A
C. Facility's Phone: 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.96	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name: RONALD STABLER
Signature: Ronald Stabler
Month: 06 Day: 03 Year: 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Tommy Locke
Signature: Tommy Locke
Month: 06 Day: 03 Year: 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month: Day: Year:

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name: JIM PRESCOTT
Signature: JIM PRESCOTT
Month: 06 Day: 03 Year: 99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00048		2492

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.49	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY LEE	Danny Lee	06	05	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JAY PRESCOTT	Jay Prescott	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00049		2493

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.87	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fredrick Snyder	Fred Snyder	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jim PRESCOTT	Jim PRESCOTT	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00050		2494

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	**912-455-2300**
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address **Hudsco, Inc.** **8810 Paul Starr Drive** **Pensacola, FL 32514**	10. US EPA ID Number N/A	C. Facility's Phone **850-477-7088**

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. **Petroleum Impacted Soil**		DT	24.44	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	6	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAVID L. CUMMINGS	David L Cummings	10	6	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JAY PRESCOTT	Jay Prescott	10	6	99

ORIGINAL -- RETURN TO GENERATOR

97

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2495
N/A	00051		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	21.34	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jan PRESCOTT	Jan PRESCOTT	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2496
N/A	00052		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	22.89	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY LEO	Danny Leo	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JIM PRESCOTT	Jim Prescott	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	09053		2497

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.47	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STARKER	Ronald Starker	10	03	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fredrick Snyder	Fred Snyder	10	3	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

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

~~Printed/Typed Name~~	~~Signature~~	Month	Day	Year
J. PRESCOTT	J. PRESCOTT	10	03	99

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00054		2498

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.78	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
DONALD STABLER	Ronald Stabler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
David L Cummings	David L Cummings	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jim PRESCOTT	Jim PRESCOTT	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00055		2499

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone **850**)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	**912-455-2300**
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address **Hudsco, Inc.** **8810 Paul Starr Drive** **Pensacola, FL 32514**	10. US EPA ID Number N/A	C. Facility's Phone **850-477-7088**

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. **Petroleum Impacted Soil**		DT	22,81	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	6	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fredrick Snyder	Fred Snyder	10	6	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jm PRESCOTT	Jm PRESCOTT	10	6	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2500
N/A	00056		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.06	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABLER	Ronald Stabler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Donald L Cummings	Donald L Cummings	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jm PRESCOTT	Jm PRESCOTT	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00057		2501

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.15	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABER	Ronald Staber	06	03	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANNY LEE	Danny Lee	06	03	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JIM PRESCOTT	Jim Prescott	06	03	97

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00058		2502

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	23.44	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STARLER	Ronald Starler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	6	3	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

~~Printed/Typed Name~~	Signature	Month	Day	Year
Jm PRESCOTT	Jm PRESCOTT	06	03	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2503
N/A	00059		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone 850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	2249	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STADLER	Ronald Stadler	06	03	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Frederick Snyder	FW Snyder	06	03	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
JM PRESCOTT	JM PRESCOTT	06	03	99

ORIGINAL – RETURN TO GENERATOR

97

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	09060		2504

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	N/A	850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	24.48	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
RONALD STABER	Ronald Staber	10	6	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke RONALD ~~STABER~~ RS	Tommy Locke	10	13	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jm PRESCOTT	Jm PRESCOTT	10	13	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	
N/A	00062		2506

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	21.96	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
Non-RCRA, Non-Hazardous	

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	4	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Locke	Tommy Locke	6	4	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jr Prescott	Jr Prescott	06	04	99

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	2507
N/A	00063		

GENERATOR

3. Generator's Name and Mailing Address
U.S. Navy Public Works Center
NAS Whiting Field Bldg. 2993
Milton, FL.

4. Generator's Phone (850)

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Soil Remediation, Inc.	N/A	912-455-2300
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Hudsco, Inc. 8810 Paul Starr Drive Pensacola, FL 32514	10. US EPA ID Number N/A	C. Facility's Phone 850-477-7088

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Petroleum Impacted Soil		DT	19,38	T
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-RCRA, Non-Hazardous

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Month	Day	Year
James B Holland	James B Holland	6	4	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Danny Lee	Danny Lee	6	4	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Month	Day	Year
Jim PRESCOTT	Jim PRESCOTT	06	04	99

ORIGINAL – RETURN TO GENERATOR

97

ATTACHMENT E

OIL/WATER SEPARATOR SITE
SOIL SAMPLE LABORATORY DATA

ACCUTEST.

06/05/00

Technical Report for

Tetra-Tech, NUS

NAS Whiting Field PO#NOO52-MSA0200-014

N7648.0000.BW0050210

Accutest Job Number: F6517

Report to:

Tetra Tech, NUS
1401 Oven Park. Dr.
Suite 102
Tallahassee, FL 32312

ATTN: Howard Engle

Total number of pages in report: 272

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST.

Sample Summary

Tetra-Tech, NUS

Job No: F6517

NAS Whiting Field PO#NOO52-MSA0200-014
Project No: N7648.0000.BW0050210

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F6517-1	05/11/00	09:35	JW	05/12/00	SO	Soil	PLJ-SS-SB20-15
F6517-2	05/11/00	10:20	JW	05/12/00	SO	Soil	PLJ-SS-SB10-14
F6517-3	05/11/00	11:10	JW	05/12/00	SO	Soil	PLJ-SS-SB11-13
F6517-4	05/11/00	13:25	JW	05/12/00	SO	Soil	OWS-SS-SB19-15
F6517-5	05/11/00	14:05	JW	05/12/00	SO	Soil	OWS-SS-SB18-15
F6517-6	05/11/00	15:05	JW	05/12/00	SO	Soil	OWS-SS-SB21-15
F6517-7	05/11/00	15:50	JW	05/12/00	SO	Soil	OWS-SS-SB24-15

CHAIN OF CUSTODY

ACCUTEST

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tetra Tech NUS
ADDRESS: 1401 Oven Park Dr Suite 120
CITY, STATE, ZIP: Tallahassee, FL
SEND REPORT TO: Howard English
PHONE #: (850) 385-9899

FACILITY INFORMATION

PROJECT NAME: NAS Whiting Field
LOCATION: Milton, FL
PROJECT NO.: N7648.0000.BW0050210
FAX #:

ANALYTICAL INFORMATION

VOC 8260
PAH 8310
FL PRO

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	VOC 8260	PAH 8310	FL PRO
1	PLJ-SS-SB20-15	5/11/00	0935	JW	Soil	5					X	X	X	X
2	PLJ-SS-SB10-14	5/11/00	1020	JW	Soil	5					X	X	X	X
3	PLJ-SS-SB11-13	5/11/00	1110	JW	Soil	5					X	X	X	X
4	OWS-SS-SB19-15	5/11/00	1325	JW	Soil	5					X	X	X	X
5	OWS-SS-SB18-15	5/11/00	1405	JW	Soil	5					X	X	X	X
6	OWS-SS-SB21-15	5/11/00	1505	JW	Soil	5					X	X	X	X
7	OWS-SS-SB24-15	5/11/00	1550	JW	Soil	5					X	X	X	X

DATA TURNAROUND INFORMATION

- [X] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER _____

APPROVED BY: _____

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [X] STANDARD
- [ ] COMMERCIAL "B"
- [X] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY) _____

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [redacted]	5/11/00 1800	1. Fed EX	2. Fed EX		2. Mike Pendl 5/12/00 0900
3.		3.	4.		4.
5.		5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE _____ C

Accutest Laboratories Southeast
Case Narrative

Job (SDG) No.: F6517

Samples: 1-7

Analysis Performed: 8260, 8310, FL Pro

1) Sample Receipt Conformance / Non-Conformance Summary

Custody Seals on Coolers?	Yes (✓)	No ( )
Custody Seals in Tact?	Yes (✓)	No ( )
Chain of Custody Sealed in Plastic?	Yes (✓)	No ( )
Chain of Custody Filled out Properly?	Yes (✓)	No ( )
Enough ice and Packing material?	Yes (✓)	No ( )
All Bottles Sealed?	Yes (✓)	No ( )
Any Bottles Broken?	Yes ( )	No (✓)
Labels in good condition?	Yes (✓)	No ( )
Labels agree with chain of custody?	Yes (✓)	No ( )
Correct Containers Used?	Yes (✓)	No ( )
Preserved Properly?	Yes (✓)	No ( )
Sufficient Sample?	Yes (✓)	No ( )

Comments: _____

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB19-15		
Lab Sample ID:	F6517-4	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	80.3
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007538.D	1	05/19/00	CJP	n/a	n/a	VH81
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	52	ug/kg	
71-43-2	Benzene	ND	5.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	ug/kg	
75-25-2	Bromoform	ND	5.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	ug/kg	
75-00-3	Chloroethane	ND	5.2	ug/kg	
67-66-3	Chloroform	ND	5.2	ug/kg	
75-15-0	Carbon disulfide	ND	10	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	ug/kg	
591-78-6	2-Hexanone	ND	10	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	10	ug/kg	
74-83-9	Methyl bromide	ND	5.2	ug/kg	
74-87-3	Methyl chloride	ND	5.2	ug/kg	
75-09-2	Methylene chloride [a]	9.7	10	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	10	ug/kg	
100-42-5	Styrene	ND	5.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	ug/kg	
108-88-3	Toluene	ND	5.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	ug/kg	
1330-20-7	Xylene (total)	ND	16	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB19-15		
Lab Sample ID:	F6517-4	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	80.3
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		71-122%
2037-26-5	Toluene-D8	102%		73-128%
460-00-4	4-Bromofluorobenzene	103%		53-158%
17060-07-0	1,2-Dichloroethane-D4	96%		71-122%

(a) Suspected laboratory contaminant.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB19-15		
Lab Sample ID:	F6517-4	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	EPA 8310	**Percent Solids:**	80.3
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001489.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	410	ug/kg	
208-96-8	Acenaphthylene	ND	830	ug/kg	
120-12-7	Anthracene	ND	410	ug/kg	
56-55-3	Benzo(a)anthracene	ND	83	ug/kg	
50-32-8	Benzo(a)pyrene	ND	83	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	83	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	83	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	83	ug/kg	
218-01-9	Chrysene	ND	83	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	83	ug/kg	
206-44-0	Fluoranthene	ND	410	ug/kg	
86-73-7	Fluorene	ND	410	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	83	ug/kg	
91-20-3	Naphthalene	ND	410	ug/kg	
90-12-0	1-Methylnaphthalene	ND	410	ug/kg	
91-57-6	2-Methylnaphthalene	ND	410	ug/kg	
85-01-8	Phenanthrene	ND	410	ug/kg	
129-00-0	Pyrene	ND	410	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		35-135%
92-94-4	p-Terphenyl	91%		50-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB19-15		
Lab Sample ID:	F6517-4	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	FLORIDA-PRO	**Percent Solids:**	80.3
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08375.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB18-15		
Lab Sample ID:	F6517-5	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	87.2
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007539.D	1	05/19/00	CJP	n/a	n/a	VH81
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	51	ug/kg	
71-43-2	Benzene	ND	5.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	ug/kg	
75-25-2	Bromoform	ND	5.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	ug/kg	
75-00-3	Chloroethane	ND	5.1	ug/kg	
67-66-3	Chloroform	ND	5.1	ug/kg	
75-15-0	Carbon disulfide	ND	10	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	ug/kg	
591-78-6	2-Hexanone	ND	10	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	10	ug/kg	
74-83-9	Methyl bromide	ND	5.1	ug/kg	
74-87-3	Methyl chloride	ND	5.1	ug/kg	
75-09-2	Methylene chloride	ND	10	ug/kg	
78-93-3	Methyl ethyl ketone	ND	10	ug/kg	
100-42-5	Styrene	ND	5.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	ug/kg	
108-88-3	Toluene	ND	5.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	ug/kg	
1330-20-7	Xylene (total)	ND	15	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB18-15		
Lab Sample ID:	F6517-5	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	87.2
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		71-122%
2037-26-5	Toluene-D8	102%		73-128%
460-00-4	4-Bromofluorobenzene	106%		53-158%
17060-07-0	1,2-Dichloroethane-D4	97%		71-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB18-15		
Lab Sample ID:	F6517-5	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	EPA 8310	**Percent Solids:**	87.2
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001490.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	380	ug/kg	
208-96-8	Acenaphthylene	ND	760	ug/kg	
120-12-7	Anthracene	ND	380	ug/kg	
56-55-3	Benzo(a)anthracene	ND	76	ug/kg	
50-32-8	Benzo(a)pyrene	ND	76	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	76	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	76	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	76	ug/kg	
218-01-9	Chrysene	ND	76	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	76	ug/kg	
206-44-0	Fluoranthene	ND	380	ug/kg	
86-73-7	Fluorene	ND	380	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	76	ug/kg	
91-20-3	Naphthalene	ND	380	ug/kg	
90-12-0	1-Methylnaphthalene	ND	380	ug/kg	
91-57-6	2-Methylnaphthalene	ND	380	ug/kg	
85-01-8	Phenanthrene	ND	380	ug/kg	
129-00-0	Pyrene	ND	380	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		35-135%
92-94-4	p-Terphenyl	91%		50-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB18-15		
Lab Sample ID:	F6517-5	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	FLORIDA-PRO	**Percent Solids:**	87.2
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08376.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		40-140%

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB21-15		
Lab Sample ID:	F6517-6	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	84.5
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007540.D	1	05/19/00	CJP	n/a	n/a	VH81
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	51	ug/kg	
71-43-2	Benzene	ND	5.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	ug/kg	
75-25-2	Bromoform	ND	5.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	ug/kg	
75-00-3	Chloroethane	ND	5.1	ug/kg	
67-66-3	Chloroform	ND	5.1	ug/kg	
75-15-0	Carbon disulfide	ND	10	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	ug/kg	
591-78-6	2-Hexanone	ND	10	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	10	ug/kg	
74-83-9	Methyl bromide	ND	5.1	ug/kg	
74-87-3	Methyl chloride	ND	5.1	ug/kg	
75-09-2	Methylene chloride [a]	10.4	10	ug/kg	
78-93-3	Methyl ethyl ketone	ND	10	ug/kg	
100-42-5	Styrene	ND	5.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	ug/kg	
108-88-3	Toluene	ND	5.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	ug/kg	
1330-20-7	Xylene (total)	ND	15	ug/kg	

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB21-15		
Lab Sample ID:	F6517-6	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	84.5
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		71-122%
2037-26-5	Toluene-D8	98%		73-128%
460-00-4	4-Bromofluorobenzene	103%		53-158%
17060-07-0	1,2-Dichloroethane-D4	98%		71-122%

(a) Suspected laboratory contaminant.

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB21-15		
Lab Sample ID:	F6517-6	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	EPA 8310	**Percent Solids:**	84.5
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001491.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	390	ug/kg	
208-96-8	Acenaphthylene	ND	790	ug/kg	
120-12-7	Anthracene	ND	390	ug/kg	
56-55-3	Benzo(a)anthracene	ND	79	ug/kg	
50-32-8	Benzo(a)pyrene	ND	79	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	79	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	79	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	79	ug/kg	
218-01-9	Chrysene	ND	79	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	79	ug/kg	
206-44-0	Fluoranthene	ND	390	ug/kg	
86-73-7	Fluorene	ND	390	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	79	ug/kg	
91-20-3	Naphthalene	ND	390	ug/kg	
90-12-0	1-Methylnaphthalene	ND	390	ug/kg	
91-57-6	2-Methylnaphthalene	ND	390	ug/kg	
85-01-8	Phenanthrene	ND	390	ug/kg	
129-00-0	Pyrene	ND	390	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		35-135%
92-94-4	p-Terphenyl	93%		50-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB21-15		
Lab Sample ID:	F6517-6	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	FLORIDA-PRO	**Percent Solids:**	84.5
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08377.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	11.2	9.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB24-15		
Lab Sample ID:	F6517-7	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	85.6
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007541.D	1	05/19/00	CJP	n/a	n/a	VH81
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	49	ug/kg	
71-43-2	Benzene	ND	4.9	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	ug/kg	
75-25-2	Bromoform	ND	4.9	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	ug/kg	
75-00-3	Chloroethane	ND	4.9	ug/kg	
67-66-3	Chloroform	ND	4.9	ug/kg	
75-15-0	Carbon disulfide	ND	9.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	ug/kg	
124-48-1	Dibromochloromethane	ND	4.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	9.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	ug/kg	
591-78-6	2-Hexanone	ND	9.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	9.8	ug/kg	
74-83-9	Methyl bromide	ND	4.9	ug/kg	
74-87-3	Methyl chloride	ND	4.9	ug/kg	
75-09-2	Methylene chloride	ND	9.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	9.8	ug/kg	
100-42-5	Styrene	ND	4.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	ug/kg	
108-88-3	Toluene	ND	4.9	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	ug/kg	
1330-20-7	Xylene (total)	ND	15	ug/kg	

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB24-15		
Lab Sample ID:	F6517-7	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	85.6
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		71-122%
2037-26-5	Toluene-D8	102%		73-128%
460-00-4	4-Bromofluorobenzene	120%		53-158%
17060-07-0	1,2-Dichloroethane-D4	102%		71-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB24-15		
Lab Sample ID:	F6517-7	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	EPA 8310	**Percent Solids:**	85.6
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001492.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	390	ug/kg	
208-96-8	Acenaphthylene	ND	780	ug/kg	
120-12-7	Anthracene	ND	390	ug/kg	
56-55-3	Benzo(a)anthracene	ND	78	ug/kg	
50-32-8	Benzo(a)pyrene	ND	78	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	78	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	78	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	78	ug/kg	
218-01-9	Chrysene	ND	78	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	78	ug/kg	
206-44-0	Fluoranthene	ND	390	ug/kg	
86-73-7	Fluorene	ND	390	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	78	ug/kg	
91-20-3	Naphthalene	ND	390	ug/kg	
90-12-0	1-Methylnaphthalene	ND	390	ug/kg	
91-57-6	2-Methylnaphthalene	ND	390	ug/kg	
85-01-8	Phenanthrene	ND	390	ug/kg	
129-00-0	Pyrene	ND	390	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		35-135%
92-94-4	p-Terphenyl	91%		50-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB24-15		
Lab Sample ID:	F6517-7	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	FLORIDA-PRO	**Percent Solids:**	85.6
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08378.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	9.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

06/05/00

Technical Report for

Tetra-Tech, NUS

NAS Whiting Field PO#NOO52-MSA0200-014

n7648.0000.bw0060101

Accutest Job Number: F6531

Report to:

Tetra Tech, NUS
1401 Oven Park. Dr.
Suite 102
Tallahassee, FL 32312

ATTN: Howard Engle

Total number of pages in report: 260

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST.

Sample Summary

Tetra-Tech, NUS

Job No: F6531

NAS Whiting Field PO#NOO52-MSA0200-014
Project No: n7648.0000.bw0060101

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F6531-1	05/12/00	08:00 JW	05/13/00	SO	Soil	OWS-SS-SB22-15
F6531-2	05/12/00	09:30 JW	05/13/00	SO	Soil	OWS-SS-SB20-25
F6531-3	05/12/00	11:10 JW	05/13/00	SO	Soil	OWS-SS-SB23-25
F6531-4	05/12/00	08:00 JW	05/13/00	SO	Soil	OWS-SS-SB22-15D
F6531-5	05/12/00	00:00 JW	05/13/00	AQ	Trip Blank Water	OWS-TB-051200

ACCUTEST

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Paul Culligan
ADDRESS: 1401 Oven Park Dr.
CITY, STATE, ZIP: Tallahassee, FL 32312
SEND REPORT TO:
PHONE #:

FACILITY INFORMATION

PROJECT NAME: NAS Whiting Field
LOCATION: Milton FL.
PROJECT NO.: N7648.0000. ~~BW0950210~~ BW0060101
FAX #:

ANALYTICAL INFORMATION

VOC 8260
PAH 8310
FL PRO

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	ANALYTICAL INFORMATION
F65311	OWS-SS-SB22-15	[redacted]	0800	JW	[redacted]	15	[redacted]					[redacted] 8
-2	OWS-SS-SB20-25	[redacted]	0930	JW	[redacted]	[redacted]					[redacted]	[redacted]
-3	[redacted]	[redacted]	1110	JW	[redacted]	[redacted]					[redacted]	[redacted]
-4	OWS-SS-SB22-15D	[redacted]	0800	JW	[redacted]	[redacted]					[redacted]	[redacted]
F65[redacted]61	[redacted]	[redacted]	1320	JW	[redacted]	[redacted]					[redacted]	[redacted]
F65318-1	31D00522	[redacted]	1420	JW	[redacted]	[redacted]					6	[redacted]
-5	OWS-TB-051200	[redacted]	—		[redacted]	[redacted]					[redacted]	6

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☐ OTHER _____

APPROVED BY: _____

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☐ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY) _____

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY.

RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
[redacted]	[redacted] 1800	1. Fed Ex	2. Fed Ex		2. Abby Wilson 5:13Q 1410
[redacted]		3. 819684141708	4.		4.
5.		5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 2.1 C

Accutest Laboratories Southeast
Case Narrative

Job (SDG) No.: F6531

Samples: 1-5

Analysis Performed: 8260, 8310, FL Pro

1) Sample Receipt Conformance / Non-Conformance Summary

Custody Seals on Coolers?	Yes (✓)	No ( )
Custody Seals in Tact?	Yes (✓)	No ( )
Chain of Custody Sealed in Plastic?	Yes (✓)	No ( )
Chain of Custody Filled out Properly?	Yes (✓)	No ( )
Enough ice and Packing material?	Yes (✓)	No ( )
All Bottles Sealed?	Yes (✓)	No ( )
Any Bottles Broken?	Yes ( )	No (✓)
Labels in good condition?	Yes (✓)	No ( )
Labels agree with chain of custody?	Yes (✓)	No ( )
Correct Containers Used?	Yes (✓)	No ( )
Preserved Properly?	Yes (✓)	No ( )
Sufficient Sample?	Yes (✓)	No ( )

Comments: see memo

Memo to File

From: AN

CC:

Date: 5.12.09

Re: FU531

14D00820
+ 31D00522 are resamples

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB22-15		
Lab Sample ID:	F6531-1	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	79.9
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007590.D	1	05/23/00	CJP	n/a	n/a	VH84
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	60	ug/kg	
71-43-2	Benzene	ND	6.0	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	ug/kg	
75-25-2	Bromoform	ND	6.0	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	ug/kg	
75-00-3	Chloroethane	ND	6.0	ug/kg	
67-66-3	Chloroform	ND	6.0	ug/kg	
75-15-0	Carbon disulfide	ND	12	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	ug/kg	
591-78-6	2-Hexanone	ND	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	12	ug/kg	
74-83-9	Methyl bromide	ND	6.0	ug/kg	
74-87-3	Methyl chloride	ND	6.0	ug/kg	
75-09-2	Methylene chloride	ND	12	ug/kg	
78-93-3	Methyl ethyl ketone	ND	12	ug/kg	
100-42-5	Styrene	ND	6.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	ug/kg	
108-88-3	Toluene	ND	6.0	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	ug/kg	
1330-20-7	Xylene (total)	ND	18	ug/kg	

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB22-15		
Lab Sample ID:	F6531-1	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	79.9
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		71-122%
2037-26-5	Toluene-D8	120%		73-128%
460-00-4	4-Bromofluorobenzene	105%		53-158%
17060-07-0	1,2-Dichloroethane-D4	100%		71-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB22-15		
Lab Sample ID:	F6531-1	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	EPA 8310	**Percent Solids:**	79.9
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001506.D	1	05/26/00	CCJ	05/24/00	OP1598	GAA65
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	420	ug/kg	
208-96-8	Acenaphthylene	ND	830	ug/kg	
120-12-7	Anthracene	ND	420	ug/kg	
56-55-3	Benzo(a)anthracene	ND	83	ug/kg	
50-32-8	Benzo(a)pyrene	ND	83	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	83	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	83	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	83	ug/kg	
218-01-9	Chrysene	ND	83	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	83	ug/kg	
206-44-0	Fluoranthene	ND	420	ug/kg	
86-73-7	Fluorene	ND	420	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	83	ug/kg	
91-20-3	Naphthalene	ND	420	ug/kg	
90-12-0	1-Methylnaphthalene	ND	420	ug/kg	
91-57-6	2-Methylnaphthalene	ND	420	ug/kg	
85-01-8	Phenanthrene	ND	420	ug/kg	
129-00-0	Pyrene	ND	420	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	63%		35-135%
92-94-4	p-Terphenyl	88%		50-150%

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB22-15		
Lab Sample ID:	F6531-1	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	FLORIDA-PRO	**Percent Solids:**	79.9
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08365.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	19.6	10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB20-25		
Lab Sample ID:	F6531-2	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	87.3
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007591.D	1	05/23/00	CJP	n/a	n/a	VH84
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	48	ug/kg	
71-43-2	Benzene	ND	4.8	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	ug/kg	
75-25-2	Bromoform	ND	4.8	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	ug/kg	
75-00-3	Chloroethane	ND	4.8	ug/kg	
67-66-3	Chloroform	ND	4.8	ug/kg	
75-15-0	Carbon disulfide	ND	9.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	ug/kg	
124-48-1	Dibromochloromethane	ND	4.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	9.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	ug/kg	
591-78-6	2-Hexanone	ND	9.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	9.7	ug/kg	
74-83-9	Methyl bromide	ND	4.8	ug/kg	
74-87-3	Methyl chloride	ND	4.8	ug/kg	
75-09-2	Methylene chloride	ND	9.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	9.7	ug/kg	
100-42-5	Styrene	ND	4.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	ug/kg	
108-88-3	Toluene	ND	4.8	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	ug/kg	
1330-20-7	Xylene (total)	ND	14	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB20-25		
Lab Sample ID:	F6531-2	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	87.3
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		71-122%
2037-26-5	Toluene-D8	120%		73-128%
460-00-4	4-Bromofluorobenzene	103%		53-158%
17060-07-0	1,2-Dichloroethane-D4	106%		71-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB20-25		
Lab Sample ID:	F6531-2	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	EPA 8310	**Percent Solids:**	87.3
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001507.D	1	05/26/00	CCJ	05/24/00	OP1598	GAA65
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	380	ug/kg	
208-96-8	Acenaphthylene	ND	760	ug/kg	
120-12-7	Anthracene	ND	380	ug/kg	
56-55-3	Benzo(a)anthracene	ND	76	ug/kg	
50-32-8	Benzo(a)pyrene	ND	76	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	76	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	76	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	76	ug/kg	
218-01-9	Chrysene	ND	76	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	76	ug/kg	
206-44-0	Fluoranthene	ND	380	ug/kg	
86-73-7	Fluorene	ND	380	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	76	ug/kg	
91-20-3	Naphthalene	ND	380	ug/kg	
90-12-0	1-Methylnaphthalene	ND	380	ug/kg	
91-57-6	2-Methylnaphthalene	ND	380	ug/kg	
85-01-8	Phenanthrene	ND	380	ug/kg	
129-00-0	Pyrene	ND	380	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	63%		35-135%
92-94-4	p-Terphenyl	87%		50-150%

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB20-25		
Lab Sample ID:	F6531-2	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	FLORIDA-PRO	**Percent Solids:**	87.3
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08368.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB23-25		
Lab Sample ID:	F6531-3	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	82.8
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007592.D	1	05/23/00	CJP	n/a	n/a	VH84
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	54	ug/kg	
71-43-2	Benzene	ND	5.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	ug/kg	
75-25-2	Bromoform	ND	5.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	ug/kg	
75-00-3	Chloroethane	ND	5.4	ug/kg	
67-66-3	Chloroform	ND	5.4	ug/kg	
75-15-0	Carbon disulfide	ND	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	ug/kg	
100-41-4	Ethylbenzene	7.5	5.4	ug/kg	
591-78-6	2-Hexanone	ND	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	11	ug/kg	
74-83-9	Methyl bromide	ND	5.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	ug/kg	
75-09-2	Methylene chloride [a]	11.1	11	ug/kg	
78-93-3	Methyl ethyl ketone	ND	11	ug/kg	
100-42-5	Styrene	ND	5.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	ug/kg	
108-88-3	Toluene	ND	5.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	ug/kg	
1330-20-7	Xylene (total)	ND	16	ug/kg	

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB23-25		
Lab Sample ID:	F6531-3	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	82.8
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		71-122%
2037-26-5	Toluene-D8	102%		73-128%
460-00-4	4-Bromofluorobenzene	100%		53-158%
17060-07-0	1,2-Dichloroethane-D4	104%		71-122%

(a) Suspected laboratory contaminant.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB23-25		
Lab Sample ID:	F6531-3	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	EPA 8310	**Percent Solids:**	82.8
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001508.D	1	05/26/00	CCJ	05/24/00	OP1598	GAA65
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	400	ug/kg	
208-96-8	Acenaphthylene	ND	800	ug/kg	
120-12-7	Anthracene	ND	400	ug/kg	
56-55-3	Benzo(a)anthracene	ND	80	ug/kg	
50-32-8	Benzo(a)pyrene	ND	80	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	80	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	80	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	80	ug/kg	
218-01-9	Chrysene	ND	80	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	80	ug/kg	
206-44-0	Fluoranthene	ND	400	ug/kg	
86-73-7	Fluorene	ND	400	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	80	ug/kg	
91-20-3	Naphthalene	ND	400	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	ug/kg	
85-01-8	Phenanthrene	ND	400	ug/kg	
129-00-0	Pyrene	ND	400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		35-135%
92-94-4	p-Terphenyl	87%		50-150%

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB23-25		
Lab Sample ID:	F6531-3	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	FLORIDA-PRO	**Percent Solids:**	82.8
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08369.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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Report of Analysis

Client Sample ID:	OWS-SS-SB22-15D		
Lab Sample ID:	F6531-4	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	80.4
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007593.D	1	05/23/00	CJP	n/a	n/a	VH84
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	56	ug/kg	
71-43-2	Benzene	ND	5.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	ug/kg	
75-25-2	Bromoform	ND	5.6	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	ug/kg	
75-00-3	Chloroethane	ND	5.6	ug/kg	
67-66-3	Chloroform	ND	5.6	ug/kg	
75-15-0	Carbon disulfide	ND	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	ug/kg	
591-78-6	2-Hexanone	ND	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	11	ug/kg	
74-83-9	Methyl bromide	ND	5.6	ug/kg	
74-87-3	Methyl chloride	ND	5.6	ug/kg	
75-09-2	Methylene chloride [a]	12.9	11	ug/kg	
78-93-3	Methyl ethyl ketone	ND	11	ug/kg	
100-42-5	Styrene	ND	5.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	ug/kg	
108-88-3	Toluene	ND	5.6	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	ug/kg	
1330-20-7	Xylene (total)	ND	17	ug/kg	

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB22-15D		
Lab Sample ID:	F6531-4	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	80.4
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		71-122%
2037-26-5	Toluene-D8	103%		73-128%
460-00-4	4-Bromofluorobenzene	105%		53-158%
17060-07-0	1,2-Dichloroethane-D4	108%		71-122%

(a) Suspected laboratory contaminant.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB22-15D		
Lab Sample ID:	F6531-4	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	EPA 8310	**Percent Solids:**	80.4
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001509.D	1	05/26/00	CCJ	05/24/00	OP1598	GAA65
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	410	ug/kg	
208-96-8	Acenaphthylene	ND	830	ug/kg	
120-12-7	Anthracene	ND	410	ug/kg	
56-55-3	Benzo(a)anthracene	ND	83	ug/kg	
50-32-8	Benzo(a)pyrene	ND	83	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	83	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	83	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	83	ug/kg	
218-01-9	Chrysene	ND	83	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	83	ug/kg	
206-44-0	Fluoranthene	ND	410	ug/kg	
86-73-7	Fluorene	ND	410	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	83	ug/kg	
91-20-3	Naphthalene	ND	410	ug/kg	
90-12-0	1-Methylnaphthalene	ND	410	ug/kg	
91-57-6	2-Methylnaphthalene	ND	410	ug/kg	
85-01-8	Phenanthrene	ND	410	ug/kg	
129-00-0	Pyrene	ND	410	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		35-135%
92-94-4	p-Terphenyl	90%		50-150%

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-SS-SB22-15D		
Lab Sample ID:	F6531-4	**Date Sampled:**	05/12/00
Matrix:	SO - Soil	**Date Received:**	05/13/00
Method:	FLORIDA-PRO	**Percent Solids:**	80.4
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08370.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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Report of Analysis

Client Sample ID:	OWS-TB-051200		
Lab Sample ID:	F6531-5	**Date Sampled:**	05/12/00
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B000367.D	1	05/18/00	RAW	n/a	n/a	VB11
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	OWS-TB-051200		
Lab Sample ID:	F6531-5	**Date Sampled:**	05/12/00
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/13/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		69-128%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

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BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: CTO 0037 7648
DRILLING COMPANY: DECS
DRILLING RIG: Geoprobe

BORING No.: OWS-SS-18
DATE: 5/11/00
GEOLOGIST: John Gustafson
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1		1		Dark Yellow Brown poorly sorted sand w/ gravel (SW)					0.0			
1345	2				light Br mottled silty sand								
	3												
	4												
	5				Red Lens iron stain - course no debris					0.0	0.0	0.0	0.0
1350	6				Tish L		Yellow Brown 2.5Y 6/4 sandy clay (SW) med plastic						
	7		48"		stiff		moist Yellowish Brown silty sand mottled w/ grey						
	8				Richland		Fine grained sandy lens within layer						
	9						light Grey to Pale Red 7.5R 6/3 fine grain silty sand w/ trace clay						
1355	10		39		10.1'					0.0	0.0	0.0	0.0
	11		48		stiff Red 7.5R 5/6 silty sand grading to a Yellowish red to red mottled to 12'								
	12												
	13												
1405	14				stiff Yellowish Brown silty sand - sand increasing to fine-medium grained w/ red mottling - Higher sand content								
	15				Less silt ~70% sand					0.0	0.0	0.0	0.0
	16												
					End Boring								

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: OWS-SS-SB18-15 @ 1405 at 15'

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS Whiting Field
Project No.: 7648

Sample ID No.: OWS-SS-SB18-15
Sample Location: OWS
Sampled By: SW
C.O.C. No.:

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

Date: 5/11/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1405	15'	Yellow Brown	silty sand
Method: DPT			
Monitor Reading (ppm): —			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	3 x 1 Encore	✓	
PAH 8310	1-250 Amber	✓	
FL PRO	1-250 Amber	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: CTO 0037 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: OWS-SB-19
DATE: 5/11/00
GEOLOGIST: John G Webster Q
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1		.8'		Dark Yellow	Brown 10YR 4/4	poorly sorted sand f, m, c grained		Grass	0.0	0.0	0.0	0.0
	2						w/ gravel grading to a O.W.S. well sorted						
	3		Hard Auger				sand fine grained - very Dry increasing moisture						
	4						at 4 feet						
	5				Dark Yellowish	Brown 10YR 4/6	silty sand mottled (SM)			0.0	0.0	0.0	0.0
1310	6		48		6'		to a Brownish Yellow 10YR 6/6						
	7		48		& Dark Yellowish	Brown to a Yellowish Red 5YR 4/6	silty sand (SM)						
	8						Iron staining - lens						
	9												
1315	10		40 9.2'		Stiff to	Light Yellowish	Brown 10YR 6/4 silty sand; dense very			7.0	0.0	0.0	0.0
	11		48		Very Stiff		fine sand - sugary sands / no mottled w/ Yellowish Red						
	12				& Stiff	Yellowish	silty sand w/ trace clay Red to Yellow Brown mottled silty sand (SM)						
	13				Picking up a	Red 10R 4/6	lens at 11.8'						
	14		37										
1325	15		48							0.3	0.0	0.0	0.0
	16												
	17						End Boring						

5/11/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: OWS-SB-19-15 @ 1325 at 15' to 16'

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS Whiting Field
Project No.: N7098

Sample ID No.: OWS-SS-SB19-15
Sample Location: OWS
Sampled By: SW
C.O.C. No.:

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

Date: 5/11/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1325	15 to 16	Yellowish Red	Silty Sand
Method: DPT			
Monitor Reading (ppm): 0.3			

COMPOSITE SAMPLE DATA:

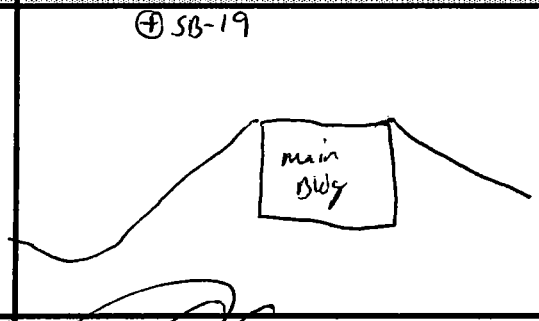
Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	3 X 1 Encore	✓	
PAH 8310	1 - 250 Amber	✓	
FL PRO	1 - 250 Amber	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: OWS-SB20
DATE: 5/10/00
GEOLOGIST: John G. Webster IV
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1				soft	Red	2.5YR 4/8 well sorted sand med grained to a poorly sorted sand - fill Material						
0820	2		Hand Auger										
	3												
	4												
	5								very moist	0.0	0.0	0.0	0.0
0840	6		48										
	7												
	8				soft Yellowish Brown 10YR 5/4 well sorted sand; ~ Gray - moderate - slug reads								
	9												
0918	10		36		Red		well sorted to poorly sorted sand		- fill	0.0			
	11		42										
	12												
	13												
	14		42										
0950	15		48							0.0			
	16				SLIT Yellow Brown to Red silty clay w/ iron staining - native								
	17								Petroleum Saturated				
1015	18		48		18'								
	19		48		SLIT Pale Brown 10YR 6/3 silty clay (CL) w/ fine sand in matrix								
	20									0.0	0.0	0.0	0.0
	21				SLIT White to pale Red 5R 7/4 silty clay (CL) w/ trace sand;								
	22												
0930	23		48										
	24		48										
	25				Yellow Brown		poorly sorted sand w/ trace silt			0.0			

Field Duplicate

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: * OWS-SS-SB20-25 @ 0930 at 25'

Drilling Area Background (ppm):

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS Whiting Field
Project No.: 7648

Sample ID No.: OWS-SS-SB20-25
Sample Location: OWS
Sampled By: John G Webster
C.O.C. No.:

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

Date: 5/12/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0930	25'	Yellow Brown	Poorly sorted sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

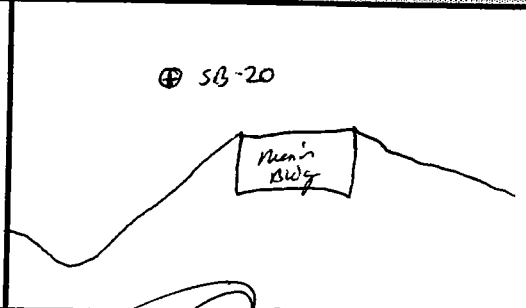
Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	1 x 3 Encore	Y	
PAH 8310	1 x 250 Amber Jar	Y	
FL PRO	1 x 250 Amber Jar	Y	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AFCS
DRILLING RIG: Geoprobe

BORING No.: OWS-SB21
DATE: 5/11/00
GEOLOGIST: Sam Webster PE
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample Net	Sampler BZ	Borehole**	Driller BZ**
	1				Soft	Olive Brown	poorly sorted sand w/Gravel			0.0			
						Red	2.5YR 4/8 well sorted sand - medium grained						
1440	2		Hand Auger				Grading to a poorly sorted sand at 4'						
	3						Gray, & gravel - very loose (fill)						
	4												
	5		4.5'										
					Stiff	Strong Brown	7.5YR 5/6 fine grained sandy silt			1.9			
1445	6		5.8			Red							
	7		40/48				2.5YR 4/4 silty sand w/ Yellow Brown mottling						
	8						Iron concretion staining increasing						
	9												
	10		33/10							0.0			
1455	11		48		Stiff	Brownish Yellow	10YR 6/6 to a Red						
	12						silty sand mottled increasing sand content to 16'						
	13												
1505	14		40										
*	15		48							0.0			
	16												
							End Boring						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: * OWS-SS-SB21-15 @ 1505 @ 15'

Drilling Area Background (ppm):

Converted to Well: Yes ____ No Y Well I.D. #: ____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS Whiting Field
Project No.: 7648

Sample ID No.: OWS-SS-SB21-15
Sample Location: OWS
Sampled By: JW
C.O.C. No.: —

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

Date: 5/11/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1505	15'	Brownish Yellow	Silty Sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

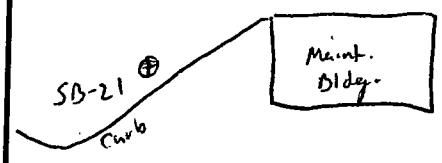
Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	3 x 1 Encore	X	
PAH 8310	1-250 ML Amber	X	
PL DRO	1 250 Amber	X	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AFCS
DRILLING RIG: Geoprobe

BORING No.: OWS-SB22
DATE: 5/10/00
GEOLOGIST: John A Websteff
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample No./ Soil	Sampler BZ	Borehole**	Driller BZ**
	1				Brown soft		Poorly sorted sand w/gravel 0.5'			0.0	0.0	0.0	0.0
0772	2					Yellow Brown	well sorted sand to poorly sorted		to 4'				
	3		Hydropunch										
	4												
	5				Stiff	Yellowish Brown	silty sand mottled w/		saturated fine sand	0.0			
0812	6		48				red						
	7		48		Stiff	Red to Yellow Brown	mottled silty sand - iron staining						
	8					Dusky Brown	silty clay w/some plasticity						
	9				Stiff	Red	2.5 YR 4/6 silty sand						
0850	10		40							0.0			
	11		40										
	12												
	13				Stiff	Red to Yellow Brown	mottled silty sand w/clay matrix						
0800	14		48										
X	15		48							0.0	0.0	0.0	0.0
	16												
							End Boring						
							5/11/00						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: OWS-SS-SB22-15 @ 0800 @ 15'

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS Whiting Field
Project No.: 7648

Sample ID No.: OWS-SS-SB22-15
Sample Location: OWS
Sampled By: John G Webster IV
C.O.C. No.: —

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

Date: 5/12/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0800	15'	Red to Yellow Brown	mottled silty sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

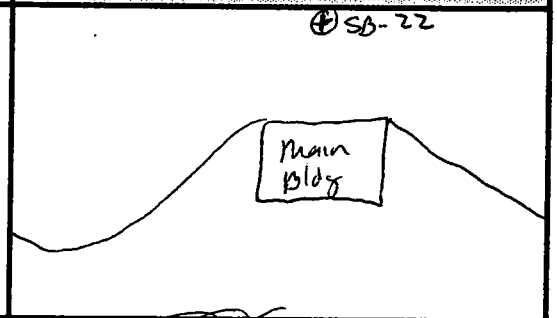
Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	1 x 3 Encore	Y	
PAH 8310	1 - 250 ml Amber	Y	
FL PRO	1 - 250 ml Amber	Y	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:
MS/MSD

Duplicate ID No.: OWS-SS-SB22-15D

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER:
DRILLING COMPANY: DFCS
DRILLING RIG: Geoprobe

BORING No.: OWS-SB23
DATE: 5/12/00
GEOLOGIST: John G Webster IV
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample headspace	Sample BZ	Borehole**	Driller BZ**
	1				soft	Brown	poorly sorted sand w/ gravel		at top Grass	6.4	0.0	0.0	0.0
	2				Grey to wht-ft		medium grained Sand - Beach sand						
10/10	3		Hand Auger										
	4												
	5						a Black organic mucket-odor		saturated - wet	26.8			
10/6	6		48			Yellow Brown to Red	silty sand (SM) mottled w/ very fine to fine grained		moist				
	7		48										
	8						Iron concretions						
	9					Red to Yellow Brown	mottled silty sand grading to a						
	10		48				silty clay; decreasing clay content			6.0			
10/9	11		48										
	12												
	13												
10/4	14		36		soft	Reddish Yellow 7.5YR 6/6	silty clay with						
	15		48			Red & Yellow Brown	silty sand			49.0	0.0	0.0	0.0
	16					Reddish Yellow 7.5YR 6/6	silty clay w/ 10% sand fine						
	17				weak	Red to Reddish Yellow	mottled silty sand; fine grained						
10/6	18		48										
	19		48							26.1			
	20					Light Yellow Brown	silty sand fine grained						
	21												
	22				stiff	weak Red	silty sand w/ clay in matrix			0.0			
	23		48										
10/0	24		48										
	25						weathered silty clay (CL)						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: OWS-SS-SB23-25 @ 1110 @ 25'

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS Whiting Field
Project No.: 7648

Sample ID No.: OWS-SS-SB23-25
Sample Location: OWS
Sampled By: John G Webster
C.O.C. No.: —

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

Date: 5/12/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1110	25'	weak red	silty clay
Method: OPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

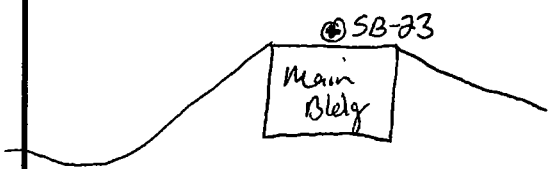
Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	1 x 3 Encore	X	
PAH 831	1 x 250 ML Amber	X	
FL PRO	1 x 250 ML Amber	X	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7698
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: OWS-SB24
DATE: 5/11/00
GEOLOGIST: John G Webster II
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample (not OVA)	Sampler BZ	Borehole**	Driller BZ**
	1			0-200	Stiff	Yellow Brown	poorly sorted gravel w/ gravel		Grass	0.0	0.0	0.0	0.0
1520	2		4 Hand Auger		~~Stiff~~	~~Yellow~~	~~Brown well sorted sand fine to medium~~ grained grading to a poorly sorted f, me, coarse grained sand to						
	3												
	4												
	5		5.0						saturated lens	0.8			
1525	6		5.5'		Stiff	light Grey Red	fine/medium grained sand w/ H2O - slight odor 2.5 YR 4/4 to Brownish Yellow 10 YR 6/6						
	7		40/48				silty sand, mottled						
	8						Iron concretion - staining observed iron layering 4 mm		Slough sat in top tube				
	9						~9.4'						
1540	10		30		Stiff	Weak Red	10R 4/4 to a Brownish Yellow mottled			0.0	0.0	0.0	0.0
1545	11		48				silty clay (CL) med plasticity w/ fine sand						
	12												
	13						Increasing sand content - No Clay						
1550	14		24		Med stiff	Weak Red	7.5 R 5/4 silty sand mottled w/ a Yellow Brown; very fine grained		slightly				
	15		48.							0.0			
	16						Iron stained layering Dark Red						
	17						End Boring						

5/11/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: OWS-SS-SB24-15 @ 1550 at 15'

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS Whiting Field
Project No.: 7648

Sample ID No.: OWS-SS-SB24-15
Sample Location: OWS
Sampled By: JW
C.O.C. No.: —

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

Date: 5/11/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1550	15'	Weak Red	Silty Sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

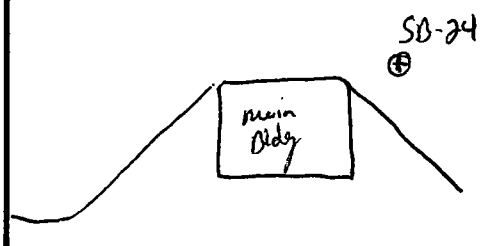
Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	3 - 1 Encore	X	
PAH 8310	1 - 250 Amber	X	
FL PRO	1 - 250 Amber	X	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

ATTACHMENT F

PRODUCT LINE DISPENSING FACILITY
PRODUCT LINE PUMP STATION
RAC IRA DATA

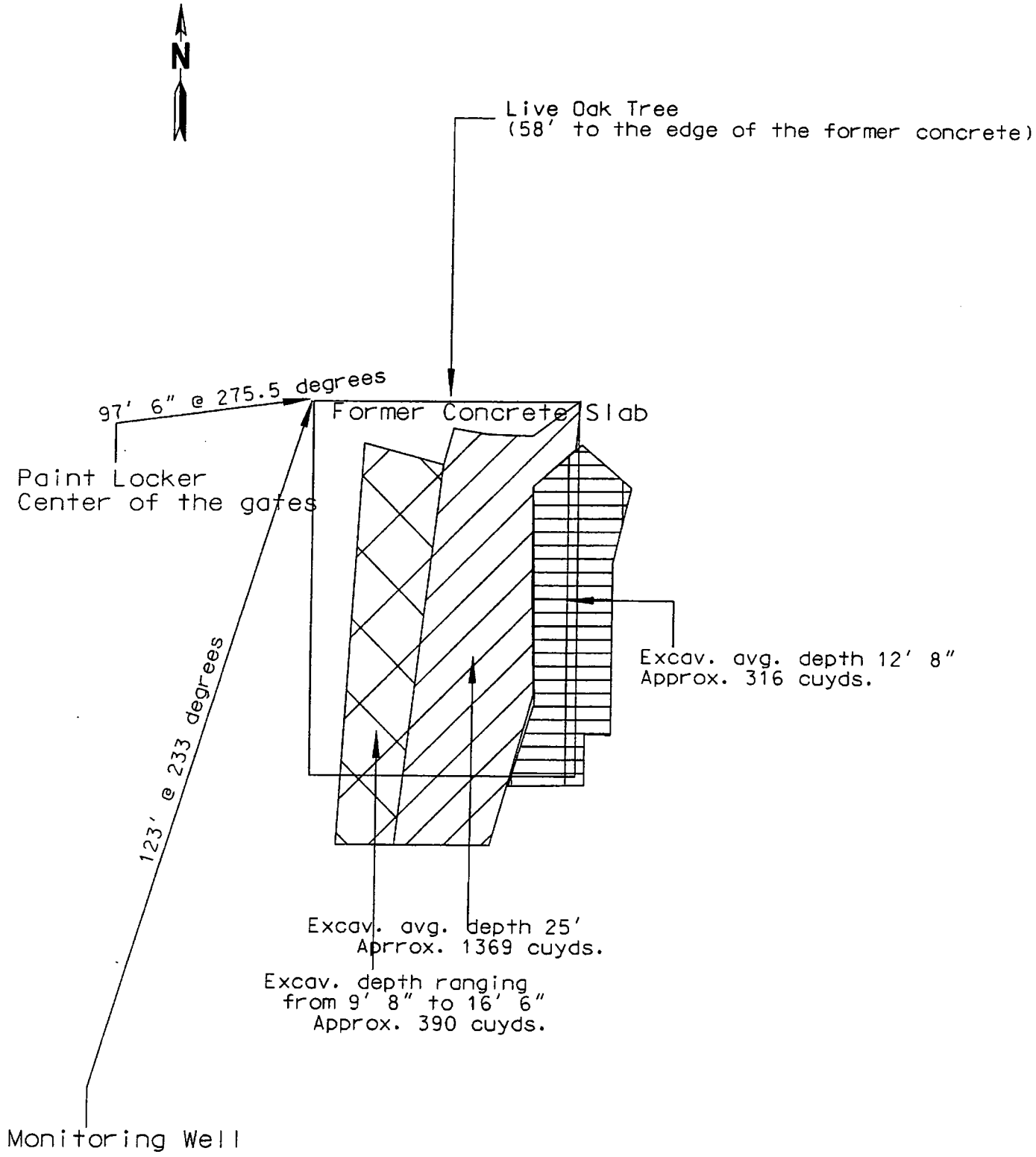


Figure 4-4
Former Fuel Dispensing Area
Contaminated Soil Excavation (Feb 17, 2000)
NAS Whiting Field
Milton, Florida

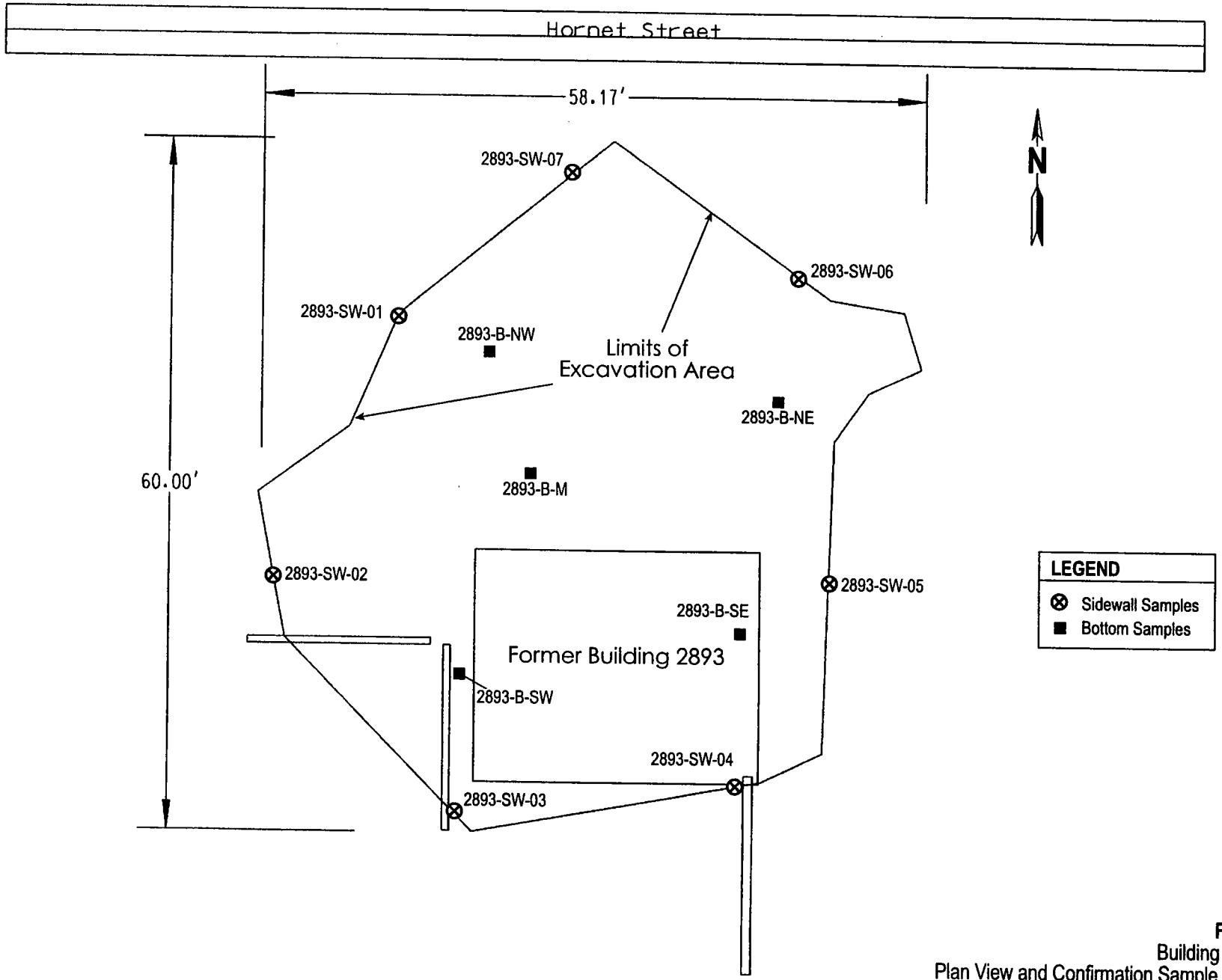


Figure 4-3
Building 2893 Site
Plan View and Confirmation Sample Locations
NAS Whiting Field
Milton, Florida

Appendix C
Testing Plan and Log

Testing Plan and Log

CH2M HILL Constructors, Inc.

Contract Number: N62467-98-D-0995			CTO No.: 0018			CTO Title: NAS Whiting Field					Location: Milton, FL		
Activity	Test Required	Sampler	Lab	COC #	Sample #	Matrix	Sample Type	Location	Depth	Date Test Made	Analysis Req'd	Test Results	Remarks
Building 2893													
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-4	5'	11-Jan-00	FID Headspace	<1ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	C-4	7'-8'	11-Jan-00	FID Headspace	6 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-2	5'	11-Jan-00	FID Headspace	7 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	B-3	5'	11-Jan-00	FID Headspace	3 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-3	5'	11-Jan-00	FID Headspace	14 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-3	7'	11-Jan-00	FID Headspace	175 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	B/C-3	7'	11-Jan-00	FID Headspace	>200 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-3	8'	11-Jan-00	FID Headspace	125 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-3	9'	11-Jan-00	FID Headspace	113 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-3	3'	12-Jan-00	FID Headspace	160 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-4	3'	12-Jan-00	FID Headspace	120 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D/E-3	4'	12-Jan-00	FID Headspace	118 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D/E-4	4'	12-Jan-00	FID Headspace	128 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-4	6'	12-Jan-00	FID Headspace	11 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-3	7'	12-Jan-00	FID Headspace	4 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-2	4'	12-Jan-00	FID Headspace	1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-1/2	4'	12-Jan-00	FID Headspace	1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D/E-4	4'	13-Jan-00	FID Headspace	160 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4	4'	13-Jan-00	FID Headspace	26 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-4	5'	13-Jan-00	FID Headspace	17 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-5	5'	13-Jan-00	FID Headspace	>200 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	B/C-2	5'	13-Jan-00	FID Headspace	2.5 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	D-2	4'	13-Jan-00	FID Headspace	<1ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-2	5'	13-Jan-00	FID Headspace	66 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-2	4'	14-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E/F-4	4'	14-Jan-00	FID Headspace	7 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4/5	4'	14-Jan-00	FID Headspace	10 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4/5	4'	14-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-2	6'	14-Jan-00	FID Headspace	196 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4/5	4'	14-Jan-00	FID Headspace	5 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	D-4/5	4'	14-Jan-00	FID Headspace	7 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4	5-6'	14-Jan-00	FID Headspace	49 ppm	Will dig 1' more
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-2	6-7'	14-Jan-00	FID Headspace	15 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	C-3	11-12'	17-Jan-00	FID Headspace	>3 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	B-3	6-7'	17-Jan-00	FID Headspace	.5 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E/F-3	7-8'	17-Jan-00	FID Headspace	200 ppm	Will dig 1' more
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E/F-5	8-9'	17-Jan-00	FID Headspace	3 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E/F-3	9'	17-Jan-00	PID	3.4 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	F-5	8'	17-Jan-00	PID	26 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	F-5	8-9'	17-Jan-00	FID Headspace	12 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-4	7-8'	17-Jan-00	FID Headspace	>500 ppm	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-4	8-9'	17-Jan-00	FID Headspace	Offscale	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-1/2	10'	18-Jan-00	FID Headspace	9 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-4	12'	18-Jan-00	FID Headspace	74 ppm	Will dig 2' more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-4	15'	18-Jan-00	FID Headspace	34 ppm	Will dig more

Testing Plan and Log

CH2M HILL Constructors, Inc.

Contract Number: N62467-98-D-0995			CTO No.: 0018			CTO Title: NAS Whiting Field					Location: Milton, FL		
Activity	Test Required	Sampler	Lab	COC #	Sample #	Matrix	Sample Type	Location	Depth	Date Test Made	Analysis Req'd	Test Results	Remarks
Building 2893													
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-4	5'	11-Jan-00	FID Headspace	<1ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	C-4	7'-8'	11-Jan-00	FID Headspace	6 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-2	5'	11-Jan-00	FID Headspace	7 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	B-3	5'	11-Jan-00	FID Headspace	3 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-3	5'	11-Jan-00	FID Headspace	14 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-3	7'	11-Jan-00	FID Headspace	175 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	B/C-3	7'	11-Jan-00	FID Headspace	>200 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-3	8'	11-Jan-00	FID Headspace	125 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-3	9'	11-Jan-00	FID Headspace	113 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-3	3'	12-Jan-00	FID Headspace	160 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-4	3'	12-Jan-00	FID Headspace	120 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D/E-3	4'	12-Jan-00	FID Headspace	118 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D/E-4	4'	12-Jan-00	FID Headspace	128 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-4	6'	12-Jan-00	FID Headspace	11 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-3	7'	12-Jan-00	FID Headspace	4 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-2	4'	12-Jan-00	FID Headspace	1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-1/2	4'	12-Jan-00	FID Headspace	1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D/E-4	4'	13-Jan-00	FID Headspace	160 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4	4'	13-Jan-00	FID Headspace	26 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-4	5'	13-Jan-00	FID Headspace	17 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-5	5'	13-Jan-00	FID Headspace	>200 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	B/C-2	5'	13-Jan-00	FID Headspace	2.5 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	D-2	4'	13-Jan-00	FID Headspace	<1ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-2	5'	13-Jan-00	FID Headspace	66 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-2	4'	14-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E/F-4	4'	14-Jan-00	FID Headspace	7 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4/5	4'	14-Jan-00	FID Headspace	10 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4/5	4'	14-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-2	6'	14-Jan-00	FID Headspace	196 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4/5	4'	14-Jan-00	FID Headspace	5 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	D-4/5	4'	14-Jan-00	FID Headspace	7 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-4	5-6'	14-Jan-00	FID Headspace	49 ppm	Will dig 1' more
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E-2	6-7'	14-Jan-00	FID Headspace	15 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	C-3	11-12'	17-Jan-00	FID Headspace	>3 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	B-3	6-7'	17-Jan-00	FID Headspace	.5 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E/F-3	7-8'	17-Jan-00	FID Headspace	200 ppm	Will dig 1' more
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E/F-5	8-9'	17-Jan-00	FID Headspace	3 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	E/F-3	9'	17-Jan-00	PID	3.4 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	F-5	8'	17-Jan-00	PID	26 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	F-5	8-9'	17-Jan-00	FID Headspace	12 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-4	7-8'	17-Jan-00	FID Headspace	>500 ppm	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-4	8-9'	17-Jan-00	FID Headspace	Offscale	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-1/2	10'	18-Jan-00	FID Headspace	9 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-4	12'	18-Jan-00	FID Headspace	74 ppm	Will dig 2' more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-4	15'	18-Jan-00	FID Headspace	34 ppm	Will dig more

Testing Plan and Log

CH2M HILL Constructors, Inc.

Contract Number: N62467-98-D-0995			CTO No.: 0018			CTO Title: NAS Whiting Field					Location: Milton, FL		
Activity	Test Required	Sampler	Lab	COC #	Sample #	Matrix	Sample Type	Location	Depth	Date Test Made	Analysis Req'd	Test Results	Remarks
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-4	6'	18-Jan-00	FID Headspace	11 ppm	borderline
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-2	6'	18-Jan-00	FID Headspace	>2000 ppm	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-5	8'	18-Jan-00	FID Headspace	86 ppm	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-2	8'	18-Jan-00	FID Headspace	117 ppm	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-5	6'	18-Jan-00	FID Headspace	>1000	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-2	8'	18-Jan-00	FID Headspace	>300 ppm	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-2	6'	18-Jan-00	FID Headspace	>1000 ppm	Will dig more
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-4	6'	19-Jan-00	FID Headspace	<1 ppm	Will stop digging this point
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-2	6'	19-Jan-00	FID Headspace	44ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-1	6'	19-Jan-00	FID Headspace	18 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	F-3/4	6'	19-Jan-00	FID Headspace	300 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-6	6'	19-Jan-00	FID Headspace	3 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-5	6'	19-Jan-00	FID Headspace	77 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-2	8'	19-Jan-00	FID Headspace	84 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-2	8'	19-Jan-00	FID Headspace	44 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	S-3	11'	19-Jan-00	FID Headspace	500 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-5	10'	19-Jan-00	FID Headspace	12 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	F-5	7'	19-Jan-00	FID Headspace	51 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B-2	6'	21-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-6	8'	21-Jan-00	FID Headspace	<1ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-6/7	6'	21-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-2	8'	21-Jan-00	FID Headspace	1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-1	6'	21-Jan-00	FID Headspace	17 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C-5	8'	21-Jan-00	FID Headspace	450 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	B/C-5	6'	21-Jan-00	FID Headspace	5 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	G-5	6'	21-Jan-00	FID Headspace	Offscale	Will cut 4 more feet
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E-2	8'	21-Jan-00	FID Headspace	2-3 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	D-3/4	12'	21-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C/D-5	10'	21-Jan-00	FID Headspace	120 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	G-5	6'	21-Jan-00	FID Headspace	3 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	C/D-5	12'	21-Jan-00	FID Headspace	6 ppm	
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893BNE	Soil	Grab	Bottom NE	12'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893BNW	Soil	Grab	Bottom NW	12'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893BSW	Soil	Grab	Bottom SW	12'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893BSE	Soil	Grab	Bottom SE	12'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893BM	Soil	Grab	Bottom middle	12'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893SW01	Soil	Grab	Side wall #1 NW	6'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893SW02	Soil	Grab	Side wall #2 SW	6'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893SW03	Soil	Grab	Side wall #3 South	66'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893SW04	Soil	Grab	Side wall #4 SE	6'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893SW05	Soil	Grab	Side wall #5 NE	6'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893SW06	Soil	Grab	Side wall #6 North	6'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/21/2000	2893SW07	Soil	Grab	Side wall #7 NW	6'	21-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Disposal												
Building 1429													

Testing Plan and Log

CH2M HILL Constructors, Inc.

Contract Number: N62467-98-D-0995			CTO No.: 0018			CTO Title: NAS Whiting Field					Location: Milton, FL		
Activity	Test Required	Sampler	Lab	COC #	Sample #	Matrix	Sample Type	Location	Depth	Date Test Made	Analysis Req'd	Test Results	Remarks
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-21 E. wall	10'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-21 W. wall	10'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-21 N. wall	10'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-21 S. wall	10'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-21 Bottom	10'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	Stockpile Soil	10'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-01 W. wall	5-6'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-01 E. wall	5-6'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-01 N. wall	5-6'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-01 S. wall	5-6'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-14 W. wall	5'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-14 E. wall	5'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-14 S. wall	5'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-14 N. wall	5'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-14 Bottom	5'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-23 Bottom	10'	19-Jan-00	FID Headspace	5 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-23 N. wall	6'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-23 E. wall	8'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB14B1	Soil	Grab	SB-23 S. wall	4-5'	19-Jan-00	FID Headspace	<1 ppm	
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB14B2	Soil	Grab	SB14 Bottom	6'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB14WW	Soil	Grab	SB14 Bottom	66'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB14EW	Soil	Grab	SB14 W. wall	6'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB14SW	Soil	Grab	SB14 E. wall	6'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB14NW	Soil	Grab	SB14 S. wall	66'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB2123B1	Soil	Grab	SB14 N. wall	6'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB2123B2	Soil	Grab	SB21&23 Bottom	10'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB2123EW	Soil	Grab	SB21&23 Bottom	10'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB2123NW	Soil	Grab	SB21&23 E. wall	6'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB2123WW	Soil	Grab	SB21&23 N. wall	6'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
Excavation	Confirmation	TMc/SD	Emax	01/20/2000	1429SB2123SW	Soil	Grab	SB21&23 W. wall	6'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
								SB21&23 S. wall	6'	20-Jan-00	5035/8260B,FL-PRO*	BRL	*8310,7060A,7471A,6010B
FFDA													
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	SB-09 Center	14'	26-Jan-00	FID Headspace	Offscale	See daily progress maps
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	6' west of SB-09	12.5'	26-Jan-00	FID Headspace	Offscale	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	6' east of SB-09	12/5'	26-Jan-00	FID Headspace	Offscale	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	6' west of SB-09	17'	26-Jan-00	FID Headspace	4.5 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-09 South	12'	31-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-09 Bottom	18'	31-Jan-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SB-09 West wall	12'	31-Jan-00	FID Headspace	<1 ppm	Will pull conf. On S.end
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	East bottom	18-19'	01-Feb-00	FID Headspace	Offscale	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	NE wall	12'	01-Feb-00	FID Headspace	7-8 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	SE wall	12'	01-Feb-00	FID Headspace	10 ppm	

Testing Plan and Log

CH2M HILL Constructors, Inc.

Contract Number: N62467-98-D-0995			CTO No.: 0018			CTO Title: NAS Whiting Field					Location: Milton, FL		
Activity	Test Required	Sampler	Lab	COC #	Sample #	Matrix	Sample Type	Location	Depth	Date Test Made	Analysis Req'd	Test Results	Remarks
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	Bottom East	20'	01-Feb-00	FID Headspace	20 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	West wall	9'	01-Feb-00	FID Headspace	Offscale	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	West wall #1	8'	02-Feb-00	FID Headspace	Offscale	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	West wall #2	8'	02-Feb-00	FID Headspace	4-5 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	Bottom #3	14'	02-Feb-00	FID Headspace	126 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	Bottom #4	14'	02-Feb-00	FID Headspace	130 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	Bottom E 1/2	20'	03-Feb-00	FID Headspace	53 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	Bottom W 1/2	20'	03-Feb-00	FID Headspace	27 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	West wall	18'	03-Feb-00	FID Headspace	46 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	East wall	19'	03-Feb-00	FID Headspace	23 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	1 (see map)	18'	04-Feb-00	FID Headspace	0.23 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	2	22'	04-Feb-00	FID Headspace	3.36 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	3	22'	04-Feb-00	FID Headspace	15.72 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	4	18'	04-Feb-00	FID Headspace	>300 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	3	23'	04-Feb-00	FID Headspace	12 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	5	15'	04-Feb-00	FID Headspace	9 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	6	12'	04-Feb-00	FID Headspace	3.8 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	7	9'	04-Feb-00	FID Headspace	>100 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	3	23'	04-Feb-00	FID Headspace	5.8 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	Bottom West (4)	10'	09-Feb-00	FID Headspace	54 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	"	12'	09-Feb-00	FID Headspace	>300 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	Bench South (5)	6'	09-Feb-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	East wall	8'	09-Feb-00	FID Headspace	>3000 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	Bottom Middle	14'	09-Feb-00	FID Headspace	12 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	West wall	8'	09-Feb-00	FID Headspace	133 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	NW corner wall	6'	09-Feb-00	FID Headspace	14 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	West wall shelf (1)	18'	15-Feb-00	FID Headspace	300 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	West wall shelf (2)	17'	15-Feb-00	FID Headspace	1.4 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	West wall shelf (3)	17'	15-Feb-00	FID Headspace	1.4 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	North Face Center (5)	23'	15-Feb-00	FID Headspace	>300 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	West Face Center (6)	23'	15-Feb-00	FID Headspace	> 300 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	Westwall shelf north(4)	17'	15-Feb-00	FID Headspace	2.39 ppm	
Excavation	Field Screen	SD	Field Test	N/A	N/A	Soil	Grab	East face center (7)	23'	15-Feb-00	FID Headspace	84 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	West Face Center (8)	25'	15-Feb-00	FID Headspace	14.2 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	NW corner bottom (9)	12'	15-Feb-00	FID Headspace	5.2 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	N Bottom (1)	23'	17-Feb-00	FID Headspace	18 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	N Bottom (2)	23'	17-Feb-00	FID Headspace	10 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	NW side (3)	17'	17-Feb-00	FID Headspace	11 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	NW side (4)	17'	17-Feb-00	FID Headspace	14 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	N side (5)	17'	17-Feb-00	FID Headspace	50 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	N side (6)	18'	17-Feb-00	FID Headspace	5 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E side (7)	17'	17-Feb-00	FID Headspace	1.5 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	E side (8)	17 '	17-Feb-00	FID Headspace	4 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	Far E bottom (9)	12'	17-Feb-00	FID Headspace	<1 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	NE Corner (10)	18'	17-Feb-00	FID Headspace	24 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	Cont. Stockpile	N/A	17-Feb-00	FID Headspace	Offscale	

Testing Plan and Log

CH2M HILL Constructors, Inc.

Contract Number: N62467-98-D-0995			CTO No.: 0018			CTO Title: NAS Whiting Field					Location: Milton, FL		
Activity	Test Required	Sampler	Lab	COC #	Sample #	Matrix	Sample Type	Location	Depth	Date Test Made	Analysis Req'd	Test Results	Remarks
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	"	N/A	17-Feb-00	FID Headspace	458 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	"	N/A	17-Feb-00	FID Headspace	Offscale	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	Calibration Check	N/A	17-Feb-00	FID Headspace	98.9 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	NE Bottom	14'	17-Feb-00	FID Headspace	>2000 ppm	
Excavation	Field Screen	TMc	Field Test	N/A	N/A	Soil	Grab	ENE wall	14'	17-Feb-00	FID Headspace	17 ppm	
Excavation	Confirmation	TMc/SD	Emax	02/02/2000	FFDAB1	Soil	Grab	E bottom shelf	12'	17-Feb-00	FID Headspace	70ppm	
Excavation	Confirmation	TMc/SD	Emax	02/02/2000	FFDAB2	Soil	Grab	South bottom pt.#1**	12'		5035/8260B,FL-PRO*	BRL	*8310, **see sample map
Excavation	Confirmation	TMc/SD	Emax	02/02/2000	FFDASW01	Soil	Grab	South bottom pt.#3	12'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/02/2000	FFDASW02	Soil	Grab	SW sidewall pt.#5	12'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/02/2000	FFDASW03	Soil	Grab	SW sidewall pt.#6	12'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/02/2000	FFDASW04	Soil	Grab	South sidewall pt.#7	12'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/02/2000	FFDASW05	Soil	Grab	South sidewall pt. #8	6'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/16/2000	FFDAB2501	Soil	Grab	SE sidewall pt. #9	6'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/16/2000	FFDAB1602	Soil	Grab	Bottom pt. #4**	66'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/16/2000	FFDAB1003	Soil	Grab	Bottom pt. #5	66'		5035/8260B,FL-PRO*	BRL	*8310, **see sample map
Excavation	Confirmation	TMc/SD	Emax	02/16/2000	FFDAWW2501	Soil	Grab	Bottom pt#6	66'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/16/2000	FFDANWW2503	Soil	Grab	West wall pt.#7	66'		5035/8260B,FL-PRO*	BRL	*8310
Excavation	Confirmation	TMc/SD	Emax	02/16/2000	FFDAWW1602	Soil	Grab	NW wall pt.#8	66'		5035/8260B,FL-PRO*	BRL	*8310
								West wall pt.#9	66'		5035/8260B,FL-PRO*	BRL	*8310

Appendix D

Analytical Results

-Excavation Confirmation Summary Tables
-Contaminants of Concern

TABL

Site FFDA Soil Confirmation Results

NAS [redacted] Field
CTO 18
March 3, 2000

ANALYTE	FAC 62-770 Table IV, Column I	SAMPLE ID / DATE SAMPLED / UNITS	FFDA-B1 2/2/00	FFDA-B1D 2/2/00	FFDA-B2 2/2/00	FFDA-SW-01 2/2/00	FFDA-SW-02 2/2/00	FFDA-SW-03 2/2/00	FFDA-SW-04 2/2/00	FFDA-SW-05 2/2/00
Polynuclear Aromatic Hydrocarbons										
Acenaphthylene	1100	mg/kg	<0.21	0.058J	<0.23	<0.23	<0.23	0.084J	<0.23	<0.23
Acenaphthene	2300	mg/kg	<0.11	<0.11	<0.12	<0.12	<0.12	<0.12	<0.11	<0.12
Anthracene	19000	mg/kg	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.012
Benzo(a)anthracene	1.4	mg/kg	<0.0095	<0.0095	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)fluoranthene	1.4	mg/kg	<0.021	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Benzo(k)fluoranthene	15	mg/kg	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.012
Benzo(a)pyrene	0.1	mg/kg	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.012
Benzo(ghi)perylene	2300	mg/kg	<0.021	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Chrysene	140	mg/kg	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.012
Dibenzo(ah)anthracene	0.1	mg/kg	<0.021	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Fluoranthene	2800	mg/kg	<0.021	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Fluorene	2100	mg/kg	<0.021	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Indeno(123-cd)pyrene	1.5	mg/kg	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.012
Naphthalene	1000	mg/kg	<0.11	<0.11	<0.12	<0.12	<0.12	<0.12	<0.11	<0.12
Phenanthrene	1900	mg/kg	<0.021	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Pyrene	2200	mg/kg	<0.021	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Volatile Organic Compounds										
1,1,1-Trichloroethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
1,1,2,2-Tetrachloroethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
1,1,2-Trhichloroethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
1,1-Dichloroethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
1,1-Dichloroethene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
1,2-Dichloroethane	0.6	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
1,2-Dichloropropane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
2-Butanone (MEK)	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
2-Hexanone	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
4-Methyl-2-pentanone (MIBK)	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Acetone	NS	mg/kg	<0.014	<0.013	0.019	<0.011	<0.010	<0.011	0.028	0.016
Benzene	1.1	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Bromodichloromethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Bromoform	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Bromomethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Carbon Disulfide	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	0.026	<0.011	<0.0098
Carbon Tetrachloride	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Chlorobenzene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Chloroethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Chloroform	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Chloromethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
cis-1,2-dichloroethene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
cis-1,3-dichloropropene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Dibromochloromethane	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Ethylbenzene	240	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
m/p-xylene	290	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
o-xylene		mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
MTBE	350	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Methylene Chloride	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Styrene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Tetrachloroethene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Toluene	300	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
trans-1,2-dichloroethene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
trans1,3-dichloropropene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Trichloroethene	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Vinyl Chloride	NS	mg/kg	<0.014	<0.013	<0.011	<0.011	<0.010	<0.011	<0.011	<0.0098
Total Petroleum Hydrocarbons		mg/kg								
TPH	350	mg/kg	<10.6	<10.5	<11.6	<11.6	<11.6	<11.6	<11.4	<11.6

TABLE 1.0
Site FFDA Soil Confirmation Results

NAS Whiting Field
CTO 16
March 3, 2000

ANALYTE	FAC 62-770 Table IV, Column I	SAMPLE ID / DATE SAMPLED / UNITS	FFDA-B-25-01 2/16/00	FFDA-B-16-02 2/16/00	FFDA-B-10-03 2/16/00	FFDA-WW-25-01 2/16/00	FFDA-NWW-25-03 2/16/00	FFDA-WW-16-02 2/16/00
Polynuclear Aromatic Hydrocarbons								
Acenaphthylene	1100	mg/kg	0.074J	<0.23	0.057J	0.07J	<0.23	<0.23
Acenaphthene	2300	mg/kg	<0.11	<0.11	<0.11	<0.12	<0.12	<0.12
Anthracene	19000	mg/kg	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012
Benzo(a)anthracene	1.4	mg/kg	<0.0096	<0.01	<0.01	<0.011	<0.011	<0.01
Benzo(b)fluoranthene	1.4	mg/kg	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023
Benzo(k)fluoranthene	15	mg/kg	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012
Benzo(a)pyrene	0.1	mg/kg	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012
Benzo(ghi)perylene	2300	mg/kg	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023
Chrysene	140	mg/kg	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012
Dibenzo(ah)anthracene	0.1	mg/kg	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023
Fluoranthene	2800	mg/kg	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023
Fluorene	2100	mg/kg	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023
Indeno(123-cd)pyrene	1.5	mg/kg	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012
Naphthalene	1000	mg/kg	<0.11	<0.11	<0.11	<0.12	<0.12	<0.12
Phenanthrene	1900	mg/kg	<0.021	<0.023	<0.023	<0.023	0.003J	0.0034J
Pyrene	2200	mg/kg	<0.021	<0.023	<0.023	<0.023	<0.023	<0.023
Volatile Organic Compounds								
1,1,1-Trichloroethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
1,1,2,2-Tetrachloroethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
1,1,2-Trhichloroethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
1,1-Dichloroethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
1,1-Dichloroethene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
1,2-Dichloroethane	0.6	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
1,2-Dichloropropane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
2-Butanone (MEK)	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
2-Hexanone	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
4-Methyl-2-pentanone (MIBK)	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Acetone	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Benzene	1.1	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Bromodichloromethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Bromoform	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Bromomethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Carbon Disulfide	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Carbon Tetrachloride	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Chlorobenzene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Chloroethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Chloroform	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Chloromethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
cis-1,2-dichloroethene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
cis-1,3-dichloropropene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Dibromochloromethane	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Ethylbenzene	240	mg/kg	<0.014	<0.011	<0.011	<0.011	3 J	<0.010
m/p-xylene	290	mg/kg	<0.014	<0.011	<0.011	<0.011	8.6 J	<0.010
o-xylene		mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
MTBE	350	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Methylene Chloride	NS	mg/kg	9.6 JB	8 JB	8.7 JB	8.5 JB	7.4 JB	2 JB
Styrene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Tetrachloroethene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Toluene	300	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
trans-1,2-dichloroethene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
trans1,3-dichloropropene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Trichloroethene	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Vinyl Chloride	NS	mg/kg	<0.014	<0.011	<0.011	<0.011	<0.010	<0.010
Total Petroleum Hydrocarbons		mg/kg						
TPH	350	mg/kg	<10.6	<11.5	<11.4	<11.7	<11.7	<11.6

Tab

Site 2893 Soil Confirmation Results

NAS V Field
CTO 18
February 1, 2000

ANALYTE	FAC 62-770 Table IV, Column I	SAMPLE ID / DATE SAMPLED / UNITS	2893-B-NE 01/21/2000	2893-B-NED 01/21/2000	2893-B-NW 01/21/2000	2893-B-SW 01/21/2000	2893-B-SE 01/21/2000	2893-B-M 01/21/2000	2893-SW-01 01/21/2000	2893-SW-02 01/21/2000
Polynuclear Aromatic Hydrocarbons										
Acenaphthylene	1100	mg/kg	<0.25	0.077J	0.098J	<0.22	<0.21	<0.25	<0.23	<0.22
Acenaphthene	2300	mg/kg	<0.12	<0.12	<0.12	<0.11	<0.11	<0.12	<0.12	<0.11
Anthracene	19000	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Benzo(a)anthracene	1.4	mg/kg	<0.011	<0.011	<0.011	<0.0099	<0.0095	<0.011	<0.01	<0.01
Benzo(b)fluoranthene	1.4	mg/kg	<0.025	<0.024	<0.024	<0.022	<0.021	<0.025	<0.023	<0.022
Benzo(k)fluoranthene	15	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Benzo(a)pyrene	0.1	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Benzo(ghi)perylene	2300	mg/kg	<0.025	<0.024	<0.024	<0.022	<0.021	<0.025	<0.023	<0.022
Chrysene	140	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Dibenzo(ah)anthracene	0.1	mg/kg	<0.025	<0.024	<0.024	<0.022	<0.021	<0.025	<0.023	<0.022
Fluoranthene	2800	mg/kg	<0.025	<0.024	<0.024	<0.022	<0.021	<0.025	<0.023	<0.022
Fluorene	2100	mg/kg	<0.025	<0.024	<0.024	<0.022	<0.021	<0.025	<0.023	<0.022
Indeno(123-cd)pyrene	1.5	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	<0.012	<0.011
Naphthalene	1000	mg/kg	<0.12	<0.12	<0.12	<0.11	<0.11	<0.12	<0.12	<0.11
Phenanthrene	1900	mg/kg	<0.025	<0.024	<0.024	<0.022	<0.021	<0.025	<0.023	<0.022
Pyrene	2200	mg/kg	<0.025	<0.024	<0.024	<0.022	<0.021	<0.025	<0.023	<0.022
Volatile Organic Compounds										
1,1,1-Trichloroethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
1,1,2,2-Tetrachloroethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
1,1,2-Trichloroethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
1,1-Dichloroethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
1,1-Dichloroethene	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
1,2-Dichloroethane	0.6	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
1,2-Dichloropropane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
2-Butanone (MEK)	NS	mg/kg	<0.011	<0.0097	0.0072J	<0.012	<0.012	0.0059J	<0.0092	<0.010
2-Hexanone	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
4-Methyl-2-pentanone (MIBK)	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Acetone	NS	mg/kg	<0.011	<0.0097	0.047	0.05	0.012	0.043	0.02	0.014
Benzene	1.1	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Bromodichloromethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Bromoform	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Bromomethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Carbon Disulfide	NS	mg/kg	<0.011	<0.0097	<0.0095	0.012J	0.0048J	<0.010	0.0021J	0.0045J
Carbon Tetrachloride	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Chlorobenzene	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Chloroethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Chloroform	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Chloromethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
cis-1,2-dichloroethene	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	0.0024J	<0.0092	<0.010
cis-1,3-dichloropropene	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Dibromochloromethane	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Ethylbenzene	240	mg/kg	<0.011	<0.0097	0.0089J	<0.012	<0.012	0.001J	<0.0092	<0.010
m/p-xylene	290	mg/kg	<0.011	<0.0097	0.0033J	<0.012	<0.012	0.00038J	<0.0092	<0.010
o-xylene		mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
MTBE	350	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Methylene Chloride	NS	mg/kg	0.0072J	0.0049J	0.0058J	0.010J	0.0089J	0.0073J	0.0058J	0.0060J
Styrene	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Tetrachloroethene	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Toluene	300	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
trans-1,2-dichloroethene	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
trans1,3-dichloropropene	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Trichloroethene	NS	mg/kg	<0.011	<0.0097	<0.0095	0.00051J	<0.012	0.016	<0.0092	<0.010
Vinyl Chloride	NS	mg/kg	<0.011	<0.0097	<0.0095	<0.012	<0.012	<0.0099	<0.0092	<0.010
Total Petroleum Hydrocarbons		mg/kg								
TPH	350	mg/kg	<12.4	<12.1	<11.9	<11	<10.6	<12.3	<11.5	<11.2

Table 2.0
Site 2893 Soil Confirmation Results

NAS Whiting Field
CTO 18
February 1, 2000

ANALYTE	FAC 62-770 Table IV, Column I	SAMPLE ID / DATE SAMPLED / UNITS	2893-SW-03 01/21/2000	2893-SW-04 01/21/2000	2893-SW-05 01/21/2000	2893-SW-06 01/21/2000	2893-SW-07 01/21/2000	2893-EB-01 01/21/2000
Polynuclear Aromatic Hydrocarbons								ug/L
Acenaphthylene	1100	mg/kg	0.11J	<0.23	0.13J	<0.22	<0.23	<3.8
Acenaphthene	2300	mg/kg	<0.12	<0.12	<0.12	<0.11	<0.12	<1.9
Anthracene	19000	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.012	<0.19
Benzo(a)anthracene	1.4	mg/kg	0.011	<0.01	<0.01	<0.01	<0.01	<0.19
Benzo(b)fluoranthene	1.4	mg/kg	<0.023	<0.023	<0.023	<0.022	<0.023	<0.38
Benzo(k)fluoranthene	15	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.012	<0.19
Benzo(a)pyrene	0.1	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.012	<0.19
Benzo(ghi)perylene	2300	mg/kg	<0.023	<0.023	<0.023	<0.022	<0.023	<0.38
Chrysene	140	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.012	<0.19
Dibenzo(ah)anthracene	0.1	mg/kg	<0.023	<0.023	<0.023	<0.022	<0.023	<0.38
Fluoranthene	2800	mg/kg	<0.023	<0.023	<0.023	<0.022	<0.023	<0.38
Fluorene	2100	mg/kg	<0.023	<0.023	<0.023	<0.022	<0.023	<0.38
Indeno(123-cd)pyrene	1.5	mg/kg	<0.012	<0.012	<0.012	<0.011	<0.012	<0.19
Naphthalene	1000	mg/kg	<0.12	<0.12	<0.12	<0.11	<0.12	<1.9
Phenanthrene	1900	mg/kg	<0.023	<0.023	<0.023	<0.022	<0.023	<0.19
Pyrene	2200	mg/kg	<0.023	<0.023	<0.023	<0.022	<0.023	<0.19
Volatile Organic Compounds								
1,1,1-Trichloroethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
1,1,2,2-Tetrachloroethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
1,1,2-Trhichloroethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
1,1-Dichloroethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
1,1-Dichloroethene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
1,2-Dichloroethane	0.6	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
1,2-Dichloropropane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
2-Butanone (MEK)	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
2-Hexanone	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
4-Methyl-2-pentanone (MIBK)	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Acetone	NS	mg/kg	0.026	0.039	0.023	<0.011	<0.010	
Benzene	1.1	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Bromodichloromethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Bromoform	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Bromomethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Carbon Disulfide	NS	mg/kg	0.035	<0.0098	<0.011	<0.011	<0.010	
Carbon Tetrachloride	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Chlorobenzene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Chloroethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Chloroform	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Chloromethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
cis-1,2-dichloroethene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
cis-1,3-dichloropropene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Dibromochloromethane	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Ethylbenzene	240	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
m/p-xylene	290	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
o-xylene		mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
MTBE	350	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Methylene Chloride	NS	mg/kg	0.0054J	0.0057J	0.0085J	0.0056J	0.0068J	
Styrene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Tetrachloroethene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Toluene	300	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
trans-1,2-dichloroethene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
trans1,3-dichloropropene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Trichloroethene	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Vinyl Chloride	NS	mg/kg	<0.0095	<0.0098	<0.011	<0.011	<0.010	
Total Petroleum Hydrocarbons		mg/kg						
TPH	350	mg/kg	<11.7	<11.5	<11.6	<11.1	<11.6	

Emelle Treatment Facility
Highway 17 N., Mile Marker 163
P.O. Box 55
Emelle, AL 35459
(205) 652-9721

Confirmation of Profile

MARCH 21, 2000

ATTN: LISA SCHWAN
CH2M HILL
115 PERIMETER CENTER PLACE
SUITE 700
ATLANTA, GA 30346

Your waste material has been approved for disposal at SPRINGHILL landfill, CAMBELLTON, FL subject to the terms of the agreement between the companies. The following information is based on the volume profiled and analytical data you have provided:

Profile Number:	WM-CP-6255 (WHITING FIELD PULIC WORKS)
Waste Type:	NON-HAZ. PETRO CONT'D SOIL
Profile Expiration Date:	07/01/2000
Disposal & Hauling Rate:	$25.50/ A TON (22 ton minimum)
Demurrage:	$60.00/ after 2 hours
Special Conditions:	This price is based on making 2 loads per truck, per day.

Note that disposal pricing is based on the information from your profile and analytical previously submitted. The actual invoice produced is determined on the actual volume received.

The confirmation letter must be reviewed for accuracy, signed by your designated representative and faxed back to the Customer Service Center at 205/652-8289. We will then notify the landfill prior to the arrival of your waste.

Waste Priced as Profiled – Invoiced as Received

Thank you for the opportunity to be of service to you.

Robert Simpson
CUSTOMER SERVICE
Florida Region

Customer Signature

[redacted]

Title Contracts Administration Manager

Date 3/23/2000

CCI anticipates the estimated quantity of work expected to be performed at NAS Whiting Field (CTO 22), for this project to be approximately 1800 to 5000 tons total. However, all work to be performed by CCI is subject to funding availability and approval by SoDiv (USNAVY). The estimated quantities represent the best and most accurate information available as of the request for bid issuance date. These estimates shall not be construed as a guarantee of quantities to Waste Management. Unit prices submitted and quoted by Waste Management for this project shall be applied to actual quantities of work performed and form the basis of payment.

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA 05380 105380

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7131 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 3 S 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # OP 6255	001	DT	00020	T	Actual 15.52 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Truck # BR-14

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Ronald Stabler — Signature "On behalf of": Ronald Stabler — Month 04 Day 20 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert Wilson — Signature: Robert Wilson — Month 04 Day 20 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number: WMNA105333 105333

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 EXT. 49

B. State Generator's ID:

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number:

C. State Transporter's ID:

D. Transporter's Phone: 850-626-9911

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	Actual 13.32 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

13.32

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell 1585 Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 Truck #BR-11

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: RONNIE STABLER — Signature "On behalf of": Ronnie Stabler — Month Day Year: 04 20 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Edward Foster — Signature: Edward Foster — Month Day Year: 4 20 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: C Moss — Signature: C Moss — Month Day Year: 4 20 00

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A | Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number: WMNA05332105332

B. State Generator's ID:

4. Generator's Phone: 850 ~~381-0020~~ 623-7181 EXT 49

5. Transporter 1 Company Name: ROBINSON EXCAVATION | 6. US EPA ID Number: N/A

C. State Transporter's ID:

D. Transporter's Phone: (850) 626-9911

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

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 | 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	Actual 16.12 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-381-0020 Truck # BR-11

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	04	20	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Edward Fenton	Edward Fenton			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A | Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 EXT. 49

A. Manifest Number: WMNA 05328 105328

B. State Generator's ID:

5. Transporter 1 Company Name: Robertson Excavation

6. US EPA ID Number:

C. State Transporter's ID:

D. Transporter's Phone: 850-626-9911

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL & Debris WM Profile # DP 6255	001	DT	00020	T	Actual 16.51 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR:850-981-0020

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: James B Holland | Signature "On behalf of": James B Holland | Month Day Year: 04 21 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Edward Foster | Signature: Edward Foster | Month Day Year: 4 21 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described wa[illegible] was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 3/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

MANAGEMENT

type. *(Form designed for use on elite (12-pitch) typewriter.)*

ON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number **WMNA 105327** 105327

Generator's Name and Mailing Address: WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

Generator's Phone: 850 ~~981-0020~~ 623-7161 EXT 49

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone: 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL & Debris WM Profile # CD 5255	001	DT	00020	T	ACTUAL 14.05 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BR-11

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	04	25	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ronald Foster	Edward Scott	04	27	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA105377105377

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 ext. 40

5. Transporter 1 Company Name ROBERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-4477

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~CD 5255~~	001	T	00020	T	CY ACTUAL 20.46
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # J 58

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STARR	Ronald Starr	10	9	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
James Kellel		10	9	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number: WMNA 05378 105378

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 EXT. 40

B. State Generator's ID:

5. Transporter 1 Company Name: Robertson Excavation — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone: 850-625-9911

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

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 9255	001	DT	00320	T	Actual 18.21
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR 850-981-0020 TRUCK # BR-14

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: RONALD STALLER — Signature "On behalf of": Ronald Staller — Month Day Year: 04 30 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert Hilliard — Signature: Robert Hilliard — Month Day Year: 04 30 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

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#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA05379 105379

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name Anderson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-476-7911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 6 1

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # 02 5255	001	A	00020	T	Actual 18.15
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck #BR-12

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Ronald Stalter — Signature "On behalf of" Ronald Stalter — Month 01 Day 05 Year 0[illegible]

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month 01 Day 05 Year 0[illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 05350 105350

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT 40.

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	ACT 18.23
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill X Solidification
Bio Remediation

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Truck # BR-14
Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Dunbar	Pat Dunbar	04	04	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert Wilson	Robert Wilson	04	04	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR'S COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA105351 105351

B. State Generator's ID

4. Generator's Phone 850 ~~981 0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~ID 6255~~	001	DT	00020	T	ACT 20.70
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR:850-981-0020 Truck # BR-10

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: PAT Durbin — Signature "On behalf of": Pat Durbin — Month Day Ye: 04 04 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Edward Foster — Signature: Edward Foster — Month Day Ye: 04 04 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Y

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number: WMNA 05352 105352

B. State Generator's ID:

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number:

C. State Transporter's ID:

D. Transporter's Phone: 850-626-9911

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

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	AT	00020	T	ACT 21.16
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020

Truck # 101

Purchase Order # 1794

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Pat Dunbar — Signature "On behalf of": Pat Dunbar — Month Day Year: 04 04 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Grant M. Hall — Signature — Month Day Year: 04 04 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described wa[illegible] was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5.97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT. 40

A. Manifest Number WMNA 05353 105353

B. State Generator's ID

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 950-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	ACTUAL 16.64
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck #C-33

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Ye
PAT DURBIN	Pat Durbin	04	04	9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Ye
David Martin	David Martin	04	04	0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Ye

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA053541105354

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name
Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-0911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 5255	001	AT	00030	T	ACT 19.26
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck #37

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
PAT DURBIN	Pat Durbin	04	04	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
TYLER ATTAWAY	Tyler Attaway	04	04	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 3:97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA05371 105371

B. State Generator's ID

4. Generator's Phone 850 ~~981-9020~~ 623-7191 Ext. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CD 5255	001	DT	00020	T	ACT 22.45
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR:850-981-9020 Truck #117

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: RONALD STALLER — Signature "On behalf of" — Month Day Year: 04 04 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Burl Blackwell — Signature — Month Day Year: 04 04 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA05372105372

B. State Generator's ID

4. Generator's Phone 850 ~~781-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	ACT 19.33
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 Truck # BR-14

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: RONALD STARICK — Signature "On behalf of" — Month 04 Day 04 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert Wilson — Signature — Month 04 Day 04 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ SD 623-7181 EXT. 40

A. Manifest Number WMNA105373 105373

B. State Generator's ID

5. Transporter 1 Company Name: Robeeson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # DP 5255	001	DT	00020	T	ACT 18.88
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR:850-981-0020 Truck # BR10

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Ronald Stabler — Signature "On behalf of": Rachel Fisher — Month Day Year: 10 04 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Edward Foster — Signature: Edward Foster — Month Day Year: 10 04 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 053741 05374

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name
Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	ACT 22.60
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # 101

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	04	04	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Grant Mitty		04	04	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

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NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA105375 105375

B. State Generator's ID

4. Generator's Phone 350 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 3 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~OP 3255~~	001	AT	00020	T	ACTUAL 18.64
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Truck # C-33

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: RONALD STABLER — Signature "On behalf of": Ronald Stabler — Month Day Year: 10 4 04 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: 10 4 04 10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR

#2 GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address: WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 EXT. 40

A. Manifest Number: WMNA 05376 105376

B. State Generator's ID

C. State Transporter's ID

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

D. Transporter's Phone: 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	ACT 18.17
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 Truck # C-37

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: RONALD STALKER — Signature "On behalf of" — Month Day Year: 04 04 00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 04 04 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described wa... was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA105335 105335

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 3 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~PD 6255~~	0 0 1	DT	0 0 2 0	T	ACT 18, 19
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 Truck 101

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
~~SCOTT DUNBAR~~	~~SCOTT DUNBAR~~	0 4	0 3	0 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		0 4	0 7	0 0

18. Transporter 2 Acknowledgement of Receipt of Materials ~~SCOTT DUNBAR~~

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA05336 105336

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 ext 40.

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 5255	001	DT	00020	T	ACT. 20.74
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck No. 121

Purchase Order # 1714 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Dunbar	Pat Dunbar	04	03	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Buck Smith	Buckie Smith	04	03	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA105369 105369

4. Generator's Phone 850 ~~981-0020~~ 623-7181 x10

B. State Generator's ID

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~TD 6255~~	001	DT	00020	T	ACT 19.51
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Carpenter 38

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Pat Dunbar | Signature "On behalf of": P Dunbar | Month Day Year: 04 03 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: James Kelley | Signature: James C Kelley | Month Day Year: 04 03 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:

2. Page 1 of 1

A. Manifest Number: WMNA 05338 105338

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID:

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number:

C. State Transporter's ID:

D. Transporter's Phone: 850-626-9911

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 8 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00220	T	ACT 19.49
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 Truck C-33

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
D. Dunbar	D. Dunbar	04	03	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
David Martin	David Martin	04	03	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 981-0020 623-7191 EXT. 40

A. Manifest Number WMNA105337 105337

B. State Generator's ID

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	ACT 21.22
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUBBAR:850-981-0020 Truck 119

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: T. Durbin — Signature "On behalf of": T. Durbin — Month Day Year: 04 03 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Burl Blackwell — Signature: Burl Blackwell — Month Day Year: 04 03 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA 05339 105339

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7191 EXT. 40

5. Transporter 1 Company Name
Robertson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~22 6255~~	001	AT	00020	T	ACT 20.09
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Truck C-37

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: PAT DURBIN | Signature "On behalf of": Pat Durbin | Month 04 Day 03 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JESSE ATTAWAY | Signature | Month 04 Day 03 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7191 EXT. 40

A. Manifest Number WMNA105341 105341

B. State Generator's ID

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # 02 6255	001	DT	EST 00020	T	ACT 20.30
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck BR-10

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	04	03	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Edward Evans	Edward Evans	04	03	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address: WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number: WMNA05340105340

B. State Generator's ID

4. Generator's Phone: 850 ~~981-0023~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone: 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	AT	00020	T	ACT 21.43
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-381-0020 Truck BA-14

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Dunbar	Pat Dunbar	04	03	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert Wilson	Robert Wilson	04	03	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA05342105342

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 ext. 40

5. Transporter 1 Company Name
ROBERSON EXCAVATION

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	AT	00020	T	ACT 17.84
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Truck #101

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Dunbar	Pat Dunbar	10	13	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Grant Mitty		10	13	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT. 40

A. Manifest Number WMNA105343 105343

B. State Generator's ID

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-7911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~SP 6255~~	001	DT	00020	T	ACT 20.79
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill X Solidification
Bio Remediation

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck #121
Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	04	03	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bucky Smith	Bucky Smith	04	03	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone: 850 ~~381-0020~~ SD 623-7181 ext. 40

A. Manifest Number: WMNA05344105344

B. State Generator's ID:

5. Transporter 1 Company Name: Robertson Excavation

6. US EPA ID Number:

C. State Transporter's ID:

D. Transporter's Phone: 850-626-9911

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 103205861 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. ~~NON-HAZARDOUS~~ PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	ACT 19.09
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 Truck #C33

Purchase Order # 1714 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	04	03	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Dave Martin	Dave Martin	04	03	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-9920~~ 623-7181 EXT. 40

A. Manifest Number WMNA 05346 105346

B. State Generator's ID

5. Transporter 1 Company Name: Robertson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-~~981~~ 626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	AT	00020	T	ACT 18.69
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Truck # BR-10

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Ray Durbin	Ray Durbin	04	03	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Edward Foster	Edward Foster	04	03	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5.97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA105345 105345

B. State Generator's ID

4. Generator's Phone 850 ~~781-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 5255	0 0 1	DT	0 0 0 2 0	T	ACT 18.78
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR:850-981-0020 Truck # C38

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	0 4	0 3	0 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
James Kelley	James Kelley	0 4	0 3	0 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA105347 105347

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-253-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~3P 5255~~	001	DT	00020	T	ACT 21.52
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill X Solidification
Bio Remediation

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck # 119
Purchase Order # 1714 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Pat Dunbar — Signature "On behalf of": Pat Dunbar — Month 04 Day 03 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Burl Blackwell — Signature: Burl Blackwell — Month 04 Day 03 Year 00

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

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA05348105348

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 EXT. 40

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 5255	001	DT	00020	T	ACT 21.50
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck # BR-14

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
T. Dunbar	T. Dunbar	04	03	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert Wilson	Robert Wilson	04	03	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 981-0020 623-7181 EXT. 40

A. Manifest Number WMNA105349 105349

B. State Generator's ID

5. Transporter 1 Company Name: Robertson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # 02 5255	001	DT	00020	T	ACT 2098
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUMBAR:850-981-0020 Truck # C37

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature On behalf of	Month	Day	Year
Pat Durbin	Pat Durbin	04	03	10

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jesse Attaway	Jesse Attaway	04	03	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA105389 105389

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 X 40

5. Transporter 1 Company Name ROBERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-4411

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # cp 6355	001	DT	00020 EST	T	ACT 22.09
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK #121

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
[illegible]	[illegible]	03	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ricky Smith	Ricky Smith	03	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 7181 X40

A. Manifest Number WMNA 05355 105355

B. State Generator's ID

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-9411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 3 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~[illegible]~~	09	CT	020	T	CST 20.61
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK #19

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	03	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Earl Blackwell	Earl Blackwell	03	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

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#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA05356 105356

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 7181 X4)

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020 EST	T	21.76
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # 101

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Tim Dunbar	Tim Dunbar	10	31	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Grant Mitt		10	31	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address: WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 X 40

A. Manifest Number: WMNA 05357 105357

B. State Generator's ID:

5. Transporter 1 Company Name: ROBERSON EXCAVATION

6. US EPA ID Number: N/A

C. State Transporter's ID:

D. Transporter's Phone: (850)626-4911

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # DP 5255	001	DT	00020 EST	T	ACT 19.38
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill V Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # BR-11

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	10	31	90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Worchin		10	31	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 X40

A. Manifest Number: WMNA 05358 105358

B. State Generator's ID:

5. Transporter 1 Company Name: ROBERSON EXCAVATION

6. US EPA ID Number: N/A

C. State Transporter's ID:

D. Transporter's Phone: (850) 626-9911

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020 (EST)	T	ACT 21.17
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK BR-10

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
J.F. Dubin	J.F. Dubin	03	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Edward Foster	Edward Foster	03	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5.97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number: WMNA105359 105359

B. State Generator's ID:

4. Generator's Phone: 850 ~~981-0020~~ 623-7181 X10

5. Transporter 1 Company Name: ROBISON EXCAVATION — 6. US EPA ID Number: N/A

C. State Transporter's ID:

D. Transporter's Phone: (850) 626-9911

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

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number: 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~ID 6255~~	001	OT	EST 00040	T	ACT. 18.81
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK BA-14

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
P.T. Durbin	P.T. Durbin	03	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert Wilson	Robert Wilson	03	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

WM-NHM-1 5/97 — #2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 05360 105360

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 X10

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9111

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # OP 5255	001	DT	EST 00020	T	ACT 18.38
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill_____ Solidification_____
Bio Remediation_____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # C-33

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	10	31	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
David Martin	David Martin	10	31	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7131 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7181 X40

A. Manifest Number WMNA105361 105361

B. State Generator's ID

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-9411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~5255~~	001	DT	EST 00020	T	ACT 18.74
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above ✓

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # C-38

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

GENERATOR

Printed/Typed Name: P.A. Dubois — Signature "On behalf of": Scott Dunbar — Month Day Year: 10 3 10 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Norman C Tolley — Signature: James C Kelley — Month Day Year: 10 3 10 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA05362105362

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 X40

5. Transporter 1 Company Name ROBERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1032C3861 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	EST 00020	T	ACT 20.89
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill / Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # C-37

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
P.T. Durbin	P.T. Durbin	10	31	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name: Jesse ATTAWAY	Signature	Month: 10	Day: 31	Year: 01
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7181 X40

A. Manifest Number WMNA105363 105363

B. State Generator's ID

5. Transporter 1 Company Name ROBERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 3 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~CD 6255~~	001	DT	EST 00020	T	ACT 20.92
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck #121

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Pat Dubin — Signature "On behalf of": Pat Dubin — Month 01 Day 31 Year 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Buckie Smith — Signature: Buckie Smith — Month 01 Day 31 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7131 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ P 623-7181 X V0

A. Manifest Number WMNA053641 05364

B. State Generator's ID

5. Transporter 1 Company Name ROBINSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone (850) 626-4911

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	EST 00020	T	ACF 18.08
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK #101

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
PAT DUGAN	T. Dunbar	10	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Grant M. Hay		10	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7181 X40

A. Manifest Number WMNA05365 105365

B. State Generator's ID

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)675-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~D 3255~~	001	DT	EST 01020	T	ACT 21.32
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # BR-11

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durden	Pat Durden	01	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Ward III		01	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7181 x 18

A. Manifest Number WMNA053668105366

B. State Generator's ID

5. Transporter 1 Company Name ROBERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-7911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~CP 6255~~	001	AT	90 EST 92 ACT	T	22.59
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 Truck # 119

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Scott Dunbar	Scott Dunbar	10	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Burl Blackwell	Burl Blackwell	10	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7181 X X6

A. Manifest Number WMNA05367105367

B. State Generator's ID

C. State Transporter's ID

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

D. Transporter's Phone (850)626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~ND 5255~~	001	DT	EST 000210	T	ACT 18.34
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill V Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # B2-10

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
P.T. DUDLEY	P.T. Dudley	03	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Edward L. Hunt	Edward L. Hunt	03	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 05368 105368

B. State Generator's ID

4. Generator's Phone 850 981-0020 623-7181 X 40

5. Transporter 1 Company Name ROBERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-4911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	EST ACT 20.10
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BA-14

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
PAT DUBIN	Pat Dubin	03	11	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert Wilson	Robert Wilson	03	11	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

#2 GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. N/E — Manifest Document No.

2. Page 1 of 1

A. Manifest Number WMNA 105391

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 623-7181

5. Transporter 1 Company Name
Rogerson Excavation

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone 850 626-5411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 29
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 2 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CD 6255	001	DT	00020 EST	T	ACTUAL 21.47 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information TRUCK # BR-14
CONTACT: SCOTT DUNBAR: 850-981-0020

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
RONALD STABLER	Ronald Stabler	

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
ROBERT WILSON	Robert Wilson	3 2 8 0 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA 053SE 105392

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981 0020~~ 623-7181

5. Transporter 1 Company Name ROGERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID (850) 626-4211

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

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 29
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 0 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CC 6255	0 0 1	DT	0 0 0 2 0	T	CST ACTUAL 21.84 TON
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information TRUCK # 101
CONTACT: SCOTT DUNBAR: 850-981-0020

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	0 8	1 2	9 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Grant Mabry		1 3	2 5	9 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 105393

B. State Generator's ID

4. Generator's Phone 850 ~~961-0020~~ BS 623-7181

5. Transporter 1 Company Name ROBINSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4942 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 0 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	01	CY	00020 EST	T	Actual 20.30 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BR 12

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	03	30	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	03	30	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.: N | A |

2. Page 1 of 1

3. Generator's Name and Mailing Address: WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number: WMNA 053941 05394

B. State Generator's ID:

4. Generator's Phone: 850 ~~981-9000~~ 623-7181

5. Transporter 1 Company Name: ROBINSON EXCAVATION

6. US EPA ID Number: N/A

C. State Transporter's ID:

D. Transporter's Phone: (850) 626-9411

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 97S
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # DF 6255	001	T	00020	T	EST ACTUAL 20.22 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BR-10

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	28	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Edward Foster	Edward Foster	10	28	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described wa was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

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#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-6820~~ 623-7181

A. Manifest Number WMNA 105395

B. State Generator's ID

5. Transporter 1 Company Name ROBERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-4411

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 27?
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 E C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # DP 6255	001	DT	00020	T	EST ACTUAL 20.60 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill V Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information TRUCK # 121

CONTACT: SCOTT DUNBAR: 850-981-0020

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	28	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Buckie Smith	Buckie Smith	10	28	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 105396

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 RS

5. Transporter 1 Company Name ROBERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	EST 00020	T	Actual 17.5 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # 19

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	3	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BURT BLACKWELL	Burt Blackwell	10	3	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA 105397

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181

5. Transporter 1 Company Name K.R. EASON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-4911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 673
CAMPBELLTON, FL 32425

10. US EPA ID Number 1 0 3 E C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~6625~~	001	DT	EST 00020	T	ACTUAL 18,31 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill: ✓ Solidification: _____

Bio Remediation: _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
TRUCK # BA-11
CONTACT: SCOTT DUNBAR: ~~850-981-0020~~

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	03	28	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	03	28	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 054031 105403

B. State Generator's ID

4. Generator's Phone 850 ~~961-0026~~

5. Transporter 1 Company Name: Roberson Excavation — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 E C 5 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # 6255	001	DT	650	T	Actual 16.92
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Truck # 121

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year: 08 26 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 08 26 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. N/F — Manifest Document No.

2. Page 1 of _

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 105404

B. State Generator's ID

4. Generator's Phone 850 981-0020

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4545 HIGHWAY 27
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 0 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # DF 6255	01	DT	25	T	Actual 19.91 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT LUNBAR:850-981-0020

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		12	15	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. N F R — Manifest Document No.

2. Page 1 of 1

A. Manifest Number WMNA 105405 105405

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone 850-626-2911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 0 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	0020 CST	T	ACTUAL 2141 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BA-14

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	29	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert Wilson	Robert Wilson	10	29	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A | Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address: WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone: 850 ~~981-0020~~ 623-7181

A. Manifest Number: WMNA 054096 105406

B. State Generator's ID:

5. Transporter 1 Company Name: HARRISON EXCAVATION

6. US EPA ID Number: N/A

C. State Transporter's ID:

D. Transporter's Phone: (850) 216-9911

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 103 2C5861 7

G. State Facility's ID:

H. Facility's Phone: 850-253-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	PT	00120	T	CST ACTUAL 19.45 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK #121

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	03	29	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Buckie Smith	Buckie Smith	03	29	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA105407 105407

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-4911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4845 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 E 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CD 6255	001	DT	00020	T	ACTUAL 20.00 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT ~~DUNBAR~~ 850-981-0020 TRUCK # 119

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name RONALD STAGLER — Signature "On behalf of" Ronald Stagler — Month 09 Day 29 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name BURL BLACKWELL — Signature Burl Blackwell — Month 10 Day 29 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA 105408

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 RS

C. State Transporter's ID

5. Transporter 1 Company Name ROGERSON EXCAVATION — 6. US EPA ID Number N/A

D. Transporter's Phone (850) 626-0411

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	00020	T	ACTUAL 20.00 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # 101

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name RONALD STABLER — Signature "On behalf of" Ronald Stabler — Month 03 Day 29 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Grant Mitchell — Signature — Month 03 Day 29 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ 623-7181

A. Manifest Number WMNA 054095 105409

B. State Generator's ID

5. Transporter 1 Company Name ROBINSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4345 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 6 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~CP 5255~~	001	DT	00120	T	EST Actual 21.52 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BL-10

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name RONALD STABLER — Signature "On behalf of" Ronald Stabler — Month 03 Day 29 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Edward Foshee — Signature Edward Foshee — Month 03 Day 29 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

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#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 2

A. Manifest Number WMNA 05410 105410

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 ~~981 0020~~ 623-7181

5. Transporter 1 Company Name ROBINSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	000020	T	EST Actual 18.79 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # BR-12

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STARLER	Ronald Starler	10	29	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Keith Floyd Garrison	Keith F. Garrison	10	29	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 0538 105381

B. State Generator's ID

4. Generator's Phone 850 ~~994-0020~~ 623-7181 X40

5. Transporter 1 Company Name KORKSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-4411

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~ID 6255~~	001	DT	EST 00020	T	Actual 21.45 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BR-11

Purchase Order # 1294 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On Behalf of"	Month	Day	Year
Tat Dueba	Tat Dunbar	10	31	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Woodall	William Woodall	10	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A | Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address:
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number: WMNA 05382 105382

B. State Generator's ID:

4. Generator's Phone: 850 ~~981-0626~~ 623-7121 XY6

5. Transporter 1 Company Name: ROBISON EXCAVATION | 6. US EPA ID Number: N/A

C. State Transporter's ID:

D. Transporter's Phone: (850) 626-9411

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

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 | 10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CF 6255	001	TO	00020	T	EST Actual 21.06 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BL-14

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Dublin	Pat Dublin	03	29	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert Wilson	Robert Wilson	03	29	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 3

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 623-7181 X40

A. Manifest Number WMNA 105383

B. State Generator's ID

5. Transporter 1 Company Name R.R. BEASON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-4911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number FLD 032 858 617

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # DP 5255	001	T	EST 00020	T	Actual 20.84 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK #101

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: Pat Durbin — Signature "On behalf of": Pat Durbin — Month Day Year: 01 31 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Grant Mithry — Signature — Month Day Year: 01 31 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~261-0020~~ 623-7181 X40

A. Manifest Number WMNA 105384

B. State Generator's ID

5. Transporter 1 Company Name ROBERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850)626-9411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4345 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	DT	0 0 0 2 0 (EST)	T	Actual 20.35 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DURBIN: 850-981-0020 TRUCK #121

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	03	29	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Rickie Smith	Rickie Smith	03	29	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~623-0020~~ 623-7781 XYO

A. Manifest Number WMNA053851 05385

B. State Generator's ID

5. Transporter 1 Company Name ROGERSON EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone 850 626-4911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	T	00020 EST	T	Actual 23.32 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 Truck # 119

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
P.T. Dunbar	for Dunbar	10	31	90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Burl Blackwell	Burl Blackwell	10	31	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

A. Manifest Number WMNA 105386

B. State Generator's ID

4. Generator's Phone 850 ~~981-0020~~ 623-7181 X10 PJ

5. Transporter 1 Company Name REGAN EXCAVATION

6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 7 2 0 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. ~~NON-HAZARDOUS~~ PETROLEUM CONT'D SOIL WM Profile # SD 6255	001	AT	EST 00020	T	Actual 17.95 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BA-10

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	10	3	02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Martin Regan	Martin Regan	10	3	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

A. Manifest Number WMNA 105387

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

B. State Generator's ID

4. Generator's Phone 850 623-7181 X40

5. Transporter 1 Company Name ROGERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number FL0320586171

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CD 6255	001	AT	00020	T	EST Actual 20.00 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill ✓ Solidification TRUCK #612
Bio Remediation

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-6020
Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: PAT DURBIN — Signature "On behalf of": Pat Durbin — Month Day Year: 01 31 91 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Keith Floyd Garrison — Signature: Keith F. Garrison — Month Day Year: 01 31 91 90

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

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97 — #2 - GENERATOR #1 COPY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No.: N/A — Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address: WHITING FIELD PUBLIC WORKS, NAS WHITING FIELD/7151 USS WASP ST., MILTON, FL 32570-6159

A. Manifest Number: WMNA 105388

B. State Generator's ID:

4. Generator's Phone: 850 ~~981-0020~~ RJ 623-7181 X 18

5. Transporter 1 Company Name: ROGERSON ~~EXCAVATION~~ LANDCLEARING

6. US EPA ID Number: N/A

C. State Transporter's ID:

D. Transporter's Phone: (850) 626-9911

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: SPRINGHILL REGIONAL LANDFILL, 4945 HIGHWAY 273, CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 3 2 C 5 8 6 1 7

G. State Facility's ID:

H. Facility's Phone: 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # ~~CR~~ 6255	0 0 1	O T	0 0 0 2 0	T	EST Actual 22.46 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill: ✓ Solidification:

Bio Remediation:

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK# BR-11

Purchase Order # 1994 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Pat Durbin	Pat Durbin	03	29	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Woodall		03	29	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS JASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850-981-0020

A. Manifest Number WMNA 05398 105398

B. State Generator's ID

5. Transporter 1 Company Name: ROBERSON EXCAVATION

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850-626-9911

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number: 1 0 2 2 0 5 8 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CD 5255	01	DT	EST 320	T	ACTUAL: 19.52 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		03	13	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 350-981-0020

A. Manifest Number WMNA 05399 105399

B. State Generator's ID

5. Transporter 1 Company Name Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name M, Troy

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone 850-983 5981

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 C 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # 39255	001	DT	00020	T	Actual 16.50 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill X Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year 0 3 2 5 0 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 FACILITY USE ONLY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-4020~~ -7121

A. Manifest Number WMNA05400 105400

B. State Generator's ID

5. Transporter 1 Company Name: Roberson Excavation

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 850 621-7911

7. Transporter 2 Company Name: Hwy Oyler Trucking

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone 850-714-0547

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426

10. US EPA ID Number 1 0 3 2 0 5 8 5 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # 9255	001	AT	00020	T	Actual 15.32 Tons
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-7020

Purchase Order # 1794

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		02	23	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		02	23	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-0020~~ (623-7181)

A. Manifest Number **WMNA 05401 105401**

B. State Generator's ID

5. Transporter 1 Company Name ANDERSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 3 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 5255	001	DT	EST 00020	T	ACTUAL 16.39 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ✓ Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR: 850-981-0020 TRUCK # BR-11

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STABLER	Ronald Stabler	10	31	98

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Woodall		10	31	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

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

NON-HAZARDOUS MANIFEST

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

2. Page 1 of 1

3. Generator's Name and Mailing Address
WHITING FIELD PUBLIC WORKS
NAS WHITING FIELD/7151 USS WASP ST.
MILTON, FL 32570-6159

4. Generator's Phone 850 ~~981-9020~~ 623-7181

A. Manifest Number **WMNA** 05402 105402

B. State Generator's ID

5. Transporter 1 Company Name ROBINSON EXCAVATION — 6. US EPA ID Number N/A

C. State Transporter's ID

D. Transporter's Phone (850) 626-9911

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

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
SPRINGHILL REGIONAL LANDFILL
4945 HIGHWAY 273
CAMPBELLTON, FL 32426 — 10. US EPA ID Number 1 0 3 2 C 5 A 6 1 7

G. State Facility's ID

H. Facility's Phone 850-263-7100

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS PETROLEUM CONT'D SOIL WM Profile # CP 6255	001	T	00020	T	EST ACTUAL 16.64 TONS
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
CONTACT: SCOTT DUNBAR:850-981-0020 TRUCK # BR-10

Purchase Order # 1794 EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
RONALD STRICKLER	Ronald Strickler	03	18	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Edward Francis	Edward Francis	03	18	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

ATTACHMENT G

PRODUCT LINE DISPENSING FACILTY
SOIL STOCKPILE SAMPLE LABORATORY DATA

Committed To *Your* Success

Formerly Quanterra

Date: 04/10/00
Time: 07:07:01
(Mountain Time)

From: Nancy Robertson
Severn Trent Laboratories, Inc
Breckenridge II, Suite H
Tampa, FL 33610

voice: 813-621-0784
fax: 813-623-6021

To: Willaim Howard Engle
Tetra Tech Inc.

850-3859860

Number of Pages
Including Cover Sheet: 27

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uote Number: 035380
roject Number: CTO 037
roject Name/Site: Whiting Field

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc. PAGE 1
Lot #: B0C310110 Whiting Field Date Reported: 4/10/00
Project Number: CTO 037

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP00345				
Sample #: 001 Date Sampled: 03/30/00 08:00 Date Received: 03/31/00 Matrix: SOLID				
Petroleum Range Organics = TRPH				Reviewed
Petroleum Range Organics (C8 - C40)	9.8 J 9.8J	11	mg/kg 11 ppm	FL-DEP FL-PRO
J Estimated result. Result is less than RL.				
Results and reporting limits have been adjusted for dry weight.				
Polynuclear Aromatic Hydrocarbons by HPLC =			=ppb	Reviewed
Acenaphthene	ND	56	ug/kg	SW846 8310
Acenaphthylene	ND	56	ug/kg	SW846 8310
Anthracene	ND	56	ug/kg	SW846 8310
Benzo(a)anthracene	ND	5.6	ug/kg	SW846 8310
Benzo(a)pyrene	ND	5.6	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	5.6	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.6	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	5.6	ug/kg	SW846 8310
Chrysene	ND	5.6	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.6	ug/kg	SW846 8310
Fluoranthene	ND	5.6	ug/kg	SW846 8310
Fluorene	ND	56	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	5.6	ug/kg	SW846 8310
1-Methylnaphthalene	ND	56	ug/kg	SW846 8310
2-Methylnaphthalene	ND	56	ug/kg	SW846 8310
Naphthalene	ND	56	ug/kg	SW846 8310
Phenanthrene	ND	56	ug/kg	SW846 8310
Pyrene	ND	5.6	ug/kg	SW846 8310
Results and reporting limits have been adjusted for dry weight.				
Volatile Organics by GC/MS = Non Detected		< 5.7	ppb	Reviewed
Benzene	ND	5.7	ug/kg	SW846 8260B
Ethylbenzene	ND	5.7	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.7	ug/kg	SW846 8260B
Toluene	ND	5.7	ug/kg	SW846 8260B
Xylenes (total)	ND	5.7	ug/kg	SW846 8260B
Results and reporting limits have been adjusted for dry weight.				

(Continued on next page) < 0.0057 ppm

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00345					
Sample #: 001 Date Sampled: 03/30/00 08:00 Date Received: 03/31/00 Matrix: SOLID					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	89.4	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00309					
Sample #: 002 Date Sampled: 03/30/00 08:10 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	ND	12 ✓	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	58	ug/kg	SW846 8310	
Acenaphthylene	ND	58	ug/kg	SW846 8310	
Anthracene	ND	58	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.8	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.8	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.8	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Chrysene	ND	5.8	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.8 ✓	ug/kg	SW846 8310	
Fluoranthene	ND	5.8	ug/kg	SW846 8310	
Fluorene	ND	58	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.8	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
Naphthalene	ND	58	ug/kg	SW846 8310	
Phenanthrene	ND	58	ug/kg	SW846 8310	
Pyrene	ND	5.8	ug/kg	SW846 8310	

Results and reporting limits have been adjusted for dry weight.

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP00309				
Sample #: 002 Date Sampled: 03/30/00 08:10 Date Received: 03/31/00 Matrix: SOLID				
Volatile Organics by GC/MS				Reviewed
Benzene	ND	5.9	ug/kg	SW846 8260B
Ethylbenzene	ND	5.9 ✓	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.9 ✓	ug/kg	SW846 8260B
Toluene	ND	5.9	ug/kg	SW846 8260B
Xylenes (total)	ND	5.9	ug/kg	SW846 8260B
Results and reporting limits have been adjusted for dry weight.				
Inorganic Analysis				Reviewed
Total Residue as Percent Solids	86.7	0.10	%	MCAWW 160.3 MOD
Client Sample ID: 76SP00401				
Sample #: 003 Date Sampled: 03/30/00 08:19 Date Received: 03/31/00 Matrix: SOLID				
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	7.8 J ✓	11	mg/kg	FL-DEP FL-PRO
J Estimated result. Result is less than RL.				
Results and reporting limits have been adjusted for dry weight.				
Polynuclear Aromatic Hydrocarbons by HPLC				Reviewed
Acenaphthene	ND	53	ug/kg	SW846 8310
Acenaphthylene	ND	53	ug/kg	SW846 8310
Anthracene	ND	53	ug/kg	SW846 8310
Benzo(a)anthracene	ND	5.3	ug/kg	SW846 8310
Benzo(a)pyrene	ND	5.3	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	5.3	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.3	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	5.3	ug/kg	SW846 8310
Chrysene	ND	5.3	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.3	ug/kg	SW846 8310
Fluoranthene	ND	5.3	ug/kg	SW846 8310
Fluorene	ND	53	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	5.3	ug/kg	SW846 8310

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00401					
Sample #: 003 Date Sampled: 03/30/00 08:19 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
1-Methylnaphthalene	ND	53	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	53	ug/kg	SW846 8310	
Naphthalene	ND	53	ug/kg	SW846 8310	
Phenanthrene	ND	53	ug/kg	SW846 8310	
Pyrene	ND	5.3	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.5	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.5	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.5	ug/kg	SW846 8260B	
Toluene	ND	5.5	ug/kg	SW846 8260B	
Xylenes (total)	ND	5.5	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	93.6	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00445					
Sample #: 004 Date Sampled: 03/30/00 08:26 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	25	10	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	50	ug/kg	SW846 8310	
Acenaphthylene	ND	50	ug/kg	SW846 8310	
Anthracene	ND	50	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.0	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.0	ug/kg	SW846 8310	

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The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Lot #: B0C310110 Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00445					
Sample #: 004 Date Sampled: 03/30/00 08:26 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					**Reviewed**
Benzo(b)fluoranthene	ND	5.0	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.0	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.0	ug/kg	SW846 8310	
Chrysene	ND	5.0	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.0	ug/kg	SW846 8310	
Fluoranthene	ND	5.0	ug/kg	SW846 8310	
Fluorene	ND	50	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.0	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	50	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	50	ug/kg	SW846 8310	
Naphthalene	ND	50	ug/kg	SW846 8310	
Phenanthrene	ND	50	ug/kg	SW846 8310	
Pyrene	ND	5.0	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.8	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.8	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.8	ug/kg	SW846 8260B	
Toluene	ND	5.8	ug/kg	SW846 8260B	
Xylenes (total)	ND	5.8	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	99.5	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00409					
Sample #: 005 Date Sampled: 03/30/00 08:35 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					**Reviewed**
Petroleum Range Organics (C8 - C40)	23	11	mg/kg	FL-DEP FL-PRO	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00409					
Sample #: 005 Date Sampled: 03/30/00 08:35 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	54	ug/kg	SW846 8310	
Acenaphthylene	ND	54	ug/kg	SW846 8310	
Anthracene	ND	54	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.4	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.4	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.4	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.4	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.4	ug/kg	SW846 8310	
Chrysene	ND	5.4	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.4	ug/kg	SW846 8310	
Fluoranthene	ND	5.4	ug/kg	SW846 8310	
Fluorene	ND	54	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.4	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	54	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	54	ug/kg	SW846 8310	
Naphthalene	ND	54	ug/kg	SW846 8310	
Phenanthrene	ND	54	ug/kg	SW846 8310	
Pyrene	ND	5.4	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.4	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.4	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.4	ug/kg	SW846 8260B	
Toluene	ND	5.4	ug/kg	SW846 8260B	
Xylenes (total)	ND	5.4	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	92.2	0.10	%	MCAWW 160.3 MOD	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Lot #: B0C310110 Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP00501				
Sample #: 006 Date Sampled: 03/30/00 08:50 Date Received: 03/31/00 Matrix: SOLID				
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	62	11	mg/kg	FL-DEP FL-PRO
Results and reporting limits have been adjusted for dry weight.				
Polynuclear Aromatic Hydrocarbons by HPLC				Reviewed
Acenaphthene	ND	55	ug/kg	SW846 8310
Acenaphthylene	ND	55	ug/kg	SW846 8310
Anthracene	ND	55	ug/kg	SW846 8310
Benzo(a)anthracene	10	5.5	ug/kg	SW846 8310
Benzo(a)pyrene	28	5.5	ug/kg	SW846 8310
Benzo(b)fluoranthene	23	5.5	ug/kg	SW846 8310
Benzo(ghi)perylene	18	5.5	ug/kg	SW846 8310
Benzo(k)fluoranthene	18	5.5	ug/kg	SW846 8310
Chrysene	24	5.5	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310
Fluoranthene	8.9	5.5	ug/kg	SW846 8310
Fluorene	ND	55	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	20	5.5	ug/kg	SW846 8310
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310
Naphthalene	ND	55	ug/kg	SW846 8310
Phenanthrene	ND	55	ug/kg	SW846 8310
Pyrene	35	5.5	ug/kg	SW846 8310
Results and reporting limits have been adjusted for dry weight.				
Volatile Organics by GC/MS				Reviewed
Benzene	ND	5.5	ug/kg	SW846 8260B
Ethylbenzene	ND	5.5	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.5	ug/kg	SW846 8260B
Toluene	ND	5.5	ug/kg	SW846 8260B
Xylenes (total)	ND	5.5	ug/kg	SW846 8260B
Results and reporting limits have been adjusted for dry weight.				

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00501					
Sample #: 006 Date Sampled: 03/30/00 08:50 Date Received: 03/31/00 Matrix: SOLID					
Inorganic Analysis					
Total Residue as Percent Solids	90.6	0.10	%	MCAWW 160.3 MOD	Reviewed
Client Sample ID: 76SP00545					
Sample #: 007 Date Sampled: 03/30/00 08:58 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					
Petroleum Range Organics (C8 - C40)	86	11	mg/kg	FL-DEP FL-PRO	Reviewed
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					
Acenaphthene	ND	57	ug/kg	SW846 8310	Reviewed
Acenaphthylene	ND	57	ug/kg	SW846 8310	
Anthracene	ND	57	ug/kg	SW846 8310	
Benzo(a)anthracene	24	5.7	ug/kg	SW846 8310	
Benzo(a)pyrene	36	5.7	ug/kg	SW846 8310	
Benzo(b)fluoranthene	15	5.7	ug/kg	SW846 8310	
Benzo(ghi)perylene	27	5.7	ug/kg	SW846 8310	
Benzo(k)fluoranthene	21	5.7	ug/kg	SW846 8310	
Chrysene	33	5.7	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.7	ug/kg	SW846 8310	
Fluoranthene	54	5.7	ug/kg	SW846 8310	
Fluorene	ND	57	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	19	5.7	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	57	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	57	ug/kg	SW846 8310	
Naphthalene	ND	57	ug/kg	SW846 8310	
Phenanthrene	ND	57	ug/kg	SW846 8310	
Pyrene	80	5.7	ug/kg	SW846 8310	

Results and reporting limits have been adjusted for dry weight.

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.

Lot #: B0C310110 Whiting Field Date Reported: 4/10/00

Project Number: CTO 037

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP00545				
Sample #: 007 Date Sampled: 03/30/00 08:58 Date Received: 03/31/00 Matrix: SOLID				
Volatile Organics by GC/MS				Reviewed
Benzene	ND	5.7	ug/kg	SW846 8260B
Ethylbenzene	ND	5.7	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.7	ug/kg	SW846 8260B
Toluene	ND	5.7	ug/kg	SW846 8260B
Xylenes (total)	ND	5.7	ug/kg	SW846 8260B
Results and reporting limits have been adjusted for dry weight.				
Inorganic Analysis				Reviewed
Total Residue as Percent Solids	87.7	0.10	%	MCAWW 160.3 MOD
Client Sample ID: 76SP00509				
Sample #: 008 Date Sampled: 03/30/00 09:09 Date Received: 03/31/00 Matrix: SOLID				
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	77	11	mg/kg	FL-DEP FL-PRO
Results and reporting limits have been adjusted for dry weight.				
Polynuclear Aromatic Hydrocarbons by HPLC				Reviewed
Acenaphthene	ND	57	ug/kg	SW846 8310
Acenaphthylene	ND	57	ug/kg	SW846 8310
Anthracene	ND	57	ug/kg	SW846 8310
Benzo(a)anthracene	17	5.7	ug/kg	SW846 8310
Benzo(a)pyrene	10	5.7	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	5.7	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.7	ug/kg	SW846 8310
Benzo(k)fluoranthene	6.0	5.7	ug/kg	SW846 8310
Chrysene	44	5.7	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.7	ug/kg	SW846 8310
Fluoranthene	48	5.7	ug/kg	SW846 8310
Fluorene	ND	57	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	5.7	ug/kg	SW846 8310
1-Methylnaphthalene	26 J	57	ug/kg	SW846 8310

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00509					
Sample #: 008 Date Sampled: 03/30/00 09:09 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
2-Methylnaphthalene	62	57	ug/kg	SW846 8310	
Naphthalene	33 J	57	ug/kg	SW846 8310	
Phenanthrene	60	57	ug/kg	SW846 8310	
Pyrene	29	5.7	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
J Estimated result. Result is less than RL.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.7	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.7	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.7	ug/kg	SW846 8260B	
Toluene	ND	5.7	ug/kg	SW846 8260B	
Xylenes (total)	ND	5.7	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	87.0	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00601					
Sample #: 009 Date Sampled: 03/30/00 10:50 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	300	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	55	ug/kg	SW846 8310	
Acenaphthylene	ND	55	ug/kg	SW846 8310	
Anthracene	ND	55	ug/kg	SW846 8310	
Benzo(a)anthracene	20	5.5	ug/kg	SW846 8310	
Benzo(a)pyrene	34	5.5	ug/kg	SW846 8310	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Lot #: B0C310110 Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00601					
Sample #: 009 Date Sampled: 03/30/00 10:50 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					**Reviewed**
Benzo(b)fluoranthene	21	5.5	ug/kg	SW846 8310	
Benzo(ghi)perylene	15	5.5	ug/kg	SW846 8310	
Benzo(k)fluoranthene	17	5.5	ug/kg	SW846 8310	
Chrysene	19	5.5	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310	
Fluoranthene	54	5.5	ug/kg	SW846 8310	
Fluorene	ND	55	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	16	5.5	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
Naphthalene	ND	55	ug/kg	SW846 8310	
Phenanthrene	ND	55	ug/kg	SW846 8310	
Pyrene	46	5.5	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.9	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.9	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.9	ug/kg	SW846 8260B	
Toluene	ND	5.9	ug/kg	SW846 8260B	
Xylenes (total)	ND	5.9	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	91.4	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00645					
Sample #: 010 Date Sampled: 03/30/00 11:00 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					**Reviewed**
Petroleum Range Organics (C8 - C40)	210	11	mg/kg	FL-DEP FL-PRO	

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The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

LOT #: 500310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: 112G 057

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD

Client Sample ID: 7CCDA0CA5

Sample #: 010 Date Sampled: 03/30/00 11:00 Date Received: 03/31/00 Matrix: SOLID

Petroleum Range Organics — Derived

Results and reporting limits have been adjusted for dry weight.

Polynuclear Aromatic Hydrocarbons by HPLC — Derived

Acenaphthene	ND	55	ug/kg	SW846 8310
Acenaphthylene	ND	55	ug/kg	SW846 8310
Anthracene	ND	55	ug/kg	SW846 8310
Benzo(a)anthracene	8.0	5.5	ug/kg	SW846 8310
Benzo(a)pyrene	10	5.5	ug/kg	SW846 8310
Benzo(b)fluoranthene	7.3	5.5	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.5	ug/kg	SW846 8310
Benzo(k)fluoranthene	5.0	5.5	ug/kg	SW846 8310
Chrysene	17	5.5	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310
Fluoranthene	ND	5.5	ug/kg	SW846 8310
Fluorene	ND	55	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	9.0	5.5	ug/kg	SW846 8310
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310
Naphthalene	ND	55	ug/kg	SW846 8310
Phenanthrene	ND	55	ug/kg	SW846 8310
Pyrene	19	5.5	ug/kg	SW846 8310

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Results and reporting limits have been adjusted for dry weight.

Volatile Organics by GC/MS — Derived

Benzene	ND	5.5	ug/kg	SW846 8260B
Ethylbenzene	ND	5.5	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.5	ug/kg	SW846 8260B
Toluene	ND	5.5	ug/kg	SW846 8260B
Xylenes (total)	ND	5.5	ug/kg	SW846 8260B

Results and reporting limits have been adjusted for dry weight.

Inorganic Analysis — Derived

Metal Residue as Percent Solids	89.0	0.10	%	MCASWI 160.3 MOD

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Lot #: B0C310110 Date Reported: 4/10/00

Client Sample ID: 76SP00609
Sample #: 011 Date Sampled: 03/30/00 11:10 Date Received: 03/31/00 Matrix: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	110	11	mg/kg	FL-DEP FL-PRO

Results and reporting limits have been adjusted for dry weight.

Polynuclear Aromatic Hydrocarbons by HPLC				Reviewed
Acenaphthene	ND	57	ug/kg	SW846 8310
Acenaphthylene	ND	57	ug/kg	SW846 8310
Anthracene	ND	57	ug/kg	SW846 8310
Benzo(a)anthracene	15	5.7	ug/kg	SW846 8310
Benzo(a)pyrene	21	5.7	ug/kg	SW846 8310
Benzo(b)fluoranthene	10	5.7	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.7	ug/kg	SW846 8310
Benzo(k)fluoranthene	8.1	5.7	ug/kg	SW846 8310
Chrysene	16	5.7	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.7	ug/kg	SW846 8310
Fluoranthene	66	5.7	ug/kg	SW846 8310
Fluorene	ND	57	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	9.1	5.7	ug/kg	SW846 8310
1-Methylnaphthalene	6.9 J	57	ug/kg	SW846 8310
2-Methylnaphthalene	14 J	57	ug/kg	SW846 8310
Naphthalene	ND	57	ug/kg	SW846 8310
Phenanthrene	36 J	57	ug/kg	SW846 8310
Pyrene	41	5.7	ug/kg	SW846 8310

Results and reporting limits have been adjusted for dry weight.
J Estimated result. Result is less than RL.

Volatile Organics by GC/MS				Reviewed
Benzene	ND	5.7	ug/kg	SW846 8260B
Ethylbenzene	ND	5.7	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.7	ug/kg	SW846 8260B
Toluene	ND	5.7	ug/kg	SW846 8260B
Xylenes (total)	ND	5.7	ug/kg	SW846 8260B

Results and reporting limits have been adjusted for dry weight.

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00609					
Sample #: 011 Date Sampled: 03/30/00 11:10 Date Received: 03/31/00 Matrix: SOLID					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	88.4	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: RB033000					
Sample #: 012 Date Sampled: 03/30/00 14:00 Date Received: 03/31/00 Matrix: WATER					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	ND	0.50	mg/L	FL-DEP FL-PRO	
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
IN PROGRESS					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	
Client Sample ID: 76SP01001					
Sample #: 013 Date Sampled: 03/30/00 15:30 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	34	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	57	ug/kg	SW846 8310	
Acenaphthylene	ND	57	ug/kg	SW846 8310	
Anthracene	ND	57	ug/kg	SW846 8310	
Benzo(a)anthracene	5.8	5.7	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.7	ug/kg	SW846 8310	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.

Lot #: B0C310110 Whiting Field Date Reported: 4/10/00

Project Number: CTO 037

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP01001				
Sample #: 013 Date Sampled: 03/30/00 15:30 Date Received: 03/31/00 Matrix: SOLID				
Polynuclear Aromatic Hydrocarbons by HPLC				**Reviewed**
Benzo(b)fluoranthene	ND	5.7	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.7	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	5.7	ug/kg	SW846 8310
Chrysene	5.6 J	5.7	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.7	ug/kg	SW846 8310
Fluoranthene	28	5.7	ug/kg	SW846 8310
Fluorene	ND	57	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	5.7	ug/kg	SW846 8310
1-Methylnaphthalene	ND	57	ug/kg	SW846 8310
2-Methylnaphthalene	ND	57	ug/kg	SW846 8310
Naphthalene	ND	57	ug/kg	SW846 8310
Phenanthrene	38 J	57	ug/kg	SW846 8310
Pyrene	13	5.7	ug/kg	SW846 8310

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Volatile Organics by GC/MS				**Reviewed**
Benzene	ND	7.2	ug/kg	SW846 8260B
Ethylbenzene	ND	7.2	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	7.2	ug/kg	SW846 8260B
Toluene	ND	7.2	ug/kg	SW846 8260B
Xylenes (total)	ND	7.2	ug/kg	SW846 8260B

Results and reporting limits have been adjusted for dry weight.

Inorganic Analysis				**Reviewed**
Total Residue as Percent Solids	87.7	0.10	%	MCAWW 160.3 MOD
Client Sample ID: 76SP01045				
Sample #: 014 Date Sampled: 03/30/00 15:45 Date Received: 03/31/00 Matrix: SOLID				
Petroleum Range Organics				**Reviewed**
Petroleum Range Organics (C8 - C40)	53	12	mg/kg	FL-DEP FL-PRO

53?

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01045					
Sample #: 014 Date Sampled: 03/30/00 15:45 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	59	ug/kg	SW846 8310	
Acenaphthylene	ND	59	ug/kg	SW846 8310	
Anthracene	ND	59	ug/kg	SW846 8310	
Benzo(a)anthracene	5.8 J	5.9	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.9	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.9	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.9	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.9	ug/kg	SW846 8310	
Chrysene	4.3 J	5.9	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.9	ug/kg	SW846 8310	
Fluoranthene	26	5.9	ug/kg	SW846 8310	
Fluorene	ND	59	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.9	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	59	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	59	ug/kg	SW846 8310	
Naphthalene	ND	59	ug/kg	SW846 8310	
Phenanthrene	ND	59	ug/kg	SW846 8310	
Pyrene	15	5.9	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
J Estimated result. Result is less than RL.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.7	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.7	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.7	ug/kg	SW846 8260B	
Toluene	ND	6.7	ug/kg	SW846 8260B	
Xylenes (total)	ND	6.7	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP01045				
Sample #: 014 Date Sampled: 03/30/00 15:45 Date Received: 03/31/00 Matrix: SOLID				
Inorganic Analysis				Reviewed
Total Residue as Percent Solids	85.2	0.10	%	MCAWW 160.3 MOD
Client Sample ID: 76SP01009				
Sample #: 015 Date Sampled: 03/30/00 15:56 Date Received: 03/31/00 Matrix: SOLID				
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	25	12	mg/kg	FL-DEP FL-PRO
Results and reporting limits have been adjusted for dry weight.				
Polynuclear Aromatic Hydrocarbons by HPLC				Reviewed
Acenaphthene	ND	58	ug/kg	SW846 8310
Acenaphthylene	ND	58	ug/kg	SW846 8310
Anthracene	ND	58	ug/kg	SW846 8310
Benzo(a)anthracene	9.2	5.8	ug/kg	SW846 8310
Benzo(a)pyrene	ND	5.8	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	5.8	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.8	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	5.8	ug/kg	SW846 8310
Chrysene	7.7	5.8	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.8	ug/kg	SW846 8310
Fluoranthene	38	5.8	ug/kg	SW846 8310
Fluorene	ND	58	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	5.8	ug/kg	SW846 8310
1-Methylnaphthalene	ND	58	ug/kg	SW846 8310
2-Methylnaphthalene	ND	58	ug/kg	SW846 8310
Naphthalene	ND	58	ug/kg	SW846 8310
Phenanthrene	19 J	58	ug/kg	SW846 8310
Pyrene	23	5.8	ug/kg	SW846 8310

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01009					
Sample #: 015 Date Sampled: 03/30/00 15:56 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.6	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.6	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.6	ug/kg	SW846 8260B	
Toluene	ND	6.6	ug/kg	SW846 8260B	
Xylenes (total)	ND	6.6	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	86.1	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP01101					
Sample #: 016 Date Sampled: 03/30/00 16:10 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	9.9 J	11	mg/kg	FL-DEP FL-PRO	
J Estimated result. Result is less than RL.					
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	57	ug/kg	SW846 8310	
Acenaphthylene	ND	57	ug/kg	SW846 8310	
Anthracene	ND	57	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.7	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.7	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.7	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.7	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.7	ug/kg	SW846 8310	
Chrysene	ND	5.7	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.7	ug/kg	SW846 8310	
Fluoranthene	ND	5.7	ug/kg	SW846 8310	
Fluorene	ND	57	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.7	ug/kg	SW846 8310	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Lot #: B0C310110 Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01101					
Sample #: 016 Date Sampled: 03/30/00 16:10 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					**Reviewed**
1-Methylnaphthalene	ND	57	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	57	ug/kg	SW846 8310	
Naphthalene	ND	57	ug/kg	SW846 8310	
Phenanthrene	ND	57	ug/kg	SW846 8310	
Pyrene	ND	5.7	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					**Reviewed**
Benzene	ND	6.3	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.3	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.3	ug/kg	SW846 8260B	
Toluene	ND	6.3	ug/kg	SW846 8260B	
Xylenes (total)	ND	6.3	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					**Reviewed**
Total Residue as Percent Solids	87.5	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP01145					
Sample #: 017 Date Sampled: 03/30/00 16:22 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					**Reviewed**
Petroleum Range Organics (C8 - C40)	9.3 J	12	mg/kg	FL-DEP FL-PRO	
J Estimated result. Result is less than RL.					
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					**Reviewed**
Acenaphthene	ND	58	ug/kg	SW846 8310	
Acenaphthylene	ND	58	ug/kg	SW846 8310	
Anthracene	ND	58	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.8	ug/kg	SW846 8310	

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The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110 — Tetra Tech NUS, Inc. — Whiting Field — Project Number: CTO 037 — Date Reported: 4/10/00 —

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01145					
Sample #: 017 Date Sampled: 03/30/00 16:22 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Benzo(a)pyrene	ND	5.8	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.8	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Chrysene	ND	5.8	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.8	ug/kg	SW846 8310	
Fluoranthene	ND	5.8	ug/kg	SW846 8310	
Fluorene	ND	58	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.8	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
Naphthalene	ND	58	ug/kg	SW846 8310	
Phenanthrene	ND	58	ug/kg	SW846 8310	
Pyrene	ND	5.8	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.5	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.5	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.5	ug/kg	SW846 8260B	
Toluene	ND	6.5	ug/kg	SW846 8260B	
Xylenes (total)	ND	6.5	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	86.5	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP01109					
Sample #: 018 Date Sampled: 03/30/00 16:33 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	9.2 J	12	mg/kg	FL-DEP FL-PRO	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110 | Tetra Tech NUS, Inc. | Whiting Field | Project Number: CTO 037 | Date Reported: 4/10/00

Client Sample ID: 76SP01109
Sample #: 018 Date Sampled: 03/30/00 16:33 Date Received: 03/31/00 Matrix: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Petroleum Range Organics					Reviewed

J Estimated result. Result is less than RL.
Results and reporting limits have been adjusted for dry weight.

Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	58	ug/kg	SW846 8310	
Acenaphthylene	ND	58	ug/kg	SW846 8310	
Anthracene	ND	58	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.8	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.8	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.8	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Chrysene	ND	5.8	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.8	ug/kg	SW846 8310	
Fluoranthene	ND	5.8	ug/kg	SW846 8310	
Fluorene	ND	58	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.8	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
Naphthalene	ND	58	ug/kg	SW846 8310	
Phenanthrene	ND	58	ug/kg	SW846 8310	
Pyrene	ND	5.8	ug/kg	SW846 8310	

Results and reporting limits have been adjusted for dry weight.

Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.1	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.1	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.1	ug/kg	SW846 8260B	
Toluene	ND	6.1	ug/kg	SW846 8260B	
Xylenes (total)	ND	6.1	ug/kg	SW846 8260B	

Results and reporting limits have been adjusted for dry weight.

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01109					
Sample #: 018 Date Sampled: 03/30/00 16:33 Date Received: 03/31/00 Matrix: SOLID					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	85.9	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP01205					
Sample #: 019 Date Sampled: 03/30/00 16:50 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	33	12	mg/kg	FL-DEP FL-PRO	

Results and reporting limits have been adjusted for dry weight.

Polynuclear Aromatic Hydrocarbons by HPLC					Reviewed
Acenaphthene	ND	60	ug/kg	SW846 8310	
Acenaphthylene	ND	60	ug/kg	SW846 8310	
Anthracene	ND	60	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	6.0	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	6.0	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	6.0	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	6.0	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	6.0	ug/kg	SW846 8310	
Chrysene	ND	6.0	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	6.0	ug/kg	SW846 8310	
Fluoranthene	ND	6.0	ug/kg	SW846 8310	
Fluorene	ND	60	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	6.0	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	60	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	60	ug/kg	SW846 8310	
Naphthalene	ND	60	ug/kg	SW846 8310	
Phenanthrene	ND	60	ug/kg	SW846 8310	
Pyrene	4.4 J	6.0	ug/kg	SW846 8310	

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.

Lot #: B0C310110 Whiting Field Date Reported: 4/10/00

Project Number: CTO 037

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01205					
Sample #: 019 Date Sampled: 03/30/00 16:50 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.2	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.2	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.2	ug/kg	SW846 8260B	
Toluene	ND	6.2	ug/kg	SW846 8260B	
Xylenes (total)	ND	6.2	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	83.8	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: TRIP BLANK					
Sample #: 020 Date Sampled: 03/30/00 16:50 Date Received: 03/31/00 Matrix: WATER					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	
Client Sample ID: 76SP00345					
Sample #: 021 Date Sampled: 03/30/00 08:00 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE IN PROGRESS					In Review
Client Sample ID: 76SP00309					
Sample #: 022 Date Sampled: 03/30/00 08:10 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE IN PROGRESS					In Review

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.

Lot #: B0C310110 Whiting Field Date Reported: 4/10/00

Project Number: CTO 037

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00401					
Sample #: 023 Date Sampled: 03/30/00 08:19 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00445					
Sample #: 024 Date Sampled: 03/30/00 08:26 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00409					
Sample #: 025 Date Sampled: 03/30/00 08:35 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00501					
Sample #: 026 Date Sampled: 03/30/00 08:50 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00545					
Sample #: 027 Date Sampled: 03/30/00 08:58 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00509					
Sample #: 028 Date Sampled: 03/30/00 09:09 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Lot #: B0C310110 Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	

Client Sample ID: 76SP00601
Sample #: 029 Date Sampled: 03/30/00 10:50 Date Received: 03/31/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE — In Review
IN PROGRESS

Client Sample ID: 76SP00645
Sample #: 030 Date Sampled: 03/30/00 11:00 Date Received: 03/31/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE — In Review
IN PROGRESS

Client Sample ID: 76SP00609
Sample #: 031 Date Sampled: 03/30/00 11:10 Date Received: 03/31/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE — In Review
IN PROGRESS

Client Sample ID: 76SP01001
Sample #: 032 Date Sampled: 03/30/00 15:30 Date Received: 03/31/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE — In Review
IN PROGRESS

Client Sample ID: 76SP01045
Sample #: 033 Date Sampled: 03/30/00 15:45 Date Received: 03/31/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE — In Review
IN PROGRESS

Client Sample ID: 76SP01009
Sample #: 034 Date Sampled: 03/30/00 15:56 Date Received: 03/31/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE — In Review
IN PROGRESS

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310110

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01101					
Sample #: 035 Date Sampled: 03/30/00 16:10 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP01145					
Sample #: 036 Date Sampled: 03/30/00 16:22 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP01109					
Sample #: 037 Date Sampled: 03/30/00 16:33 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP01205					
Sample #: 038 Date Sampled: 03/30/00 16:50 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review

[redacted]

Facsimile Transmittal

STL - Tampa
5910H Breckenridge Pkwy
Tampa. FL 33610
WebSite: www.quanterra.com
Or : www.stl-inc.com
(813) 621-0784 Telephone
(813) 623-6021 Fax

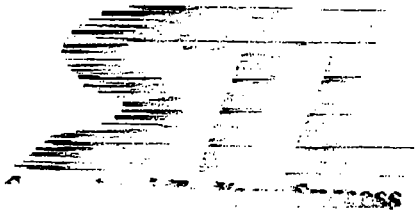
Formerly Quanterra-Tampa

Date: 4-10
Number of Pages: 2
Deliver to: Howard Engle
Company:
Fax Number:
From: Nancy Robertson
Comments:

1st page of fax for Box300148.
Thanks, Ny

Severn Trent Laboratories completed the purchase of Quanterra, Inc. on January 31, 2000. This purchase created the largest and most geographically widespread laboratory company that has ever existed in the Industry.

Our commitment and dedication to providing high quality and client service is unchanged.



Date:
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From:

Number

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: TB032900				
Sample #: 001 Date Sampled: 03/29/00 Date Received: 03/30/00 Matrix: WATER				
Volatile Organics by GC/MS				Reviewed
Benzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Client Sample ID: 76SR00100				
Sample #: 002 Date Sampled: 03/29/00 10:15 Date Received: 03/30/00 Matrix: WATER				
Volatile Organics by GC/MS				Reviewed
Benzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Client Sample ID: 76SP00101				
Sample #: 003 Date Sampled: 03/29/00 13:10 Date Received: 03/30/00 Matrix: SOLID				
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	**30**	**11**	**mg/kg**	**FL-DEP FL-PRO**
Results and reporting limits have been adjusted for dry weight.				
Polynuclear Aromatic Hydrocarbons by HPLC				In Review
Acenaphthene	ND	54	ug/kg	SW846 8310
Acenaphthylene	ND	54	ug/kg	SW846 8310
Anthracene	ND	54	ug/kg	SW846 8310
Benzo(a)anthracene	ND	5.4	ug/kg	SW846 8310
Benzo(a)pyrene	ND	5.4	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	5.4	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.4	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	5.4	ug/kg	SW846 8310
Chrysene	ND	5.4	ug/kg	SW846 8310

(Continued on next page)

PRELIMINARY DATA SUMMARY

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Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00101					
Sample #: 003 Date Sampled: 03/29/00 13:10 Date Received: 03/30/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Dibenz(a,h)anthracene	ND	5.4	ug/kg	SW846 8310	
Fluoranthene	ND	5.4	ug/kg	SW846 8310	
Fluorene	ND	54	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.4	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	54	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	54	ug/kg	SW846 8310	
Naphthalene	ND	54	ug/kg	SW846 8310	
Phenanthrene	ND	54	ug/kg	SW846 8310	
Pyrene	ND	5.4	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	13	ug/kg	SW846 8260B	
Ethylbenzene	ND	13	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	13	ug/kg	SW846 8260B	
Toluene	ND	13	ug/kg	SW846 8260B	
Xylenes (total)	ND	13	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	92.1	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00145					
Sample #: 004 Date Sampled: 03/29/00 13:25 Date Received: 03/30/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	ND	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00145					
Sample #: 004 Date Sampled: 03/29/00 13:25 Date Received: 03/30/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	55	ug/kg	SW846 8310	
Acenaphthylene	ND	55	ug/kg	SW846 8310	
Anthracene	ND	55	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.5	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.5	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.5	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.5	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.5	ug/kg	SW846 8310	
Chrysene	ND	5.5	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310	
Fluoranthene	ND	5.5	ug/kg	SW846 8310	
Fluorene	ND	55	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.5	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
Naphthalene	ND	55	ug/kg	SW846 8310	
Phenanthrene	ND	55	ug/kg	SW846 8310	
Pyrene	ND	5.5	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	8.5	ug/kg	SW846 8260B	
Ethylbenzene	ND	8.5	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	8.5	ug/kg	SW846 8260B	
Toluene	ND	8.5	ug/kg	SW846 8260B	
Xylenes (total)	ND	8.5	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	90.3	0.10	%	MCAWW 160.3 MOD	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00109					
Sample #: 005 Date Sampled: 03/29/00 13:40 Date Received: 03/30/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	25	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	56	ug/kg	SW846 8310	
Acenaphthylene	ND	56	ug/kg	SW846 8310	
Anthracene	ND	56	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.6	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.6	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.6	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.6	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.6	ug/kg	SW846 8310	
Chrysene	ND	5.6	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.6	ug/kg	SW846 8310	
Fluoranthene	ND	5.6	ug/kg	SW846 8310	
Fluorene	ND	56	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.6	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	56	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	56	ug/kg	SW846 8310	
Naphthalene	ND	56	ug/kg	SW846 8310	
Phenanthrene	ND	56	ug/kg	SW846 8310	
Pyrene	ND	5.6	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	8.8	ug/kg	SW846 8260B	
Ethylbenzene	ND	8.8	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	8.8	ug/kg	SW846 8260B	
Toluene	ND	8.8	ug/kg	SW846 8260B	
Xylenes (total)	ND	8.8	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Tetra Tech NUS, Inc.

Lot #: B0C300148 Whiting Field Date Reported: 4/10/00

Project Number: N7648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP00109				
Sample #: 005 Date Sampled: 03/29/00 13:40 Date Received: 03/30/00 Matrix: SOLID				
Inorganic Analysis				Reviewed
Total Residue as Percent Solids	89.9	0.10	%	MCAWW 160.3 MOD
Client Sample ID: 76SP00201				
Sample #: 006 Date Sampled: 03/29/00 13:50 Date Received: 03/30/00 Matrix: SOLID				
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	ND	11	mg/kg	FL-DEP FL-PRO
Results and reporting limits have been adjusted for dry weight.				
Polynuclear Aromatic Hydrocarbons by HPLC				In Review
Acenaphthene	ND	55	ug/kg	SW846 8310
Acenaphthylene	ND	55	ug/kg	SW846 8310
Anthracene	ND	55	ug/kg	SW846 8310
Benzo(a)anthracene	ND	5.5	ug/kg	SW846 8310
Benzo(a)pyrene	ND	5.5	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	5.5	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.5	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	5.5	ug/kg	SW846 8310
Chrysene	ND	5.5	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310
Fluoranthene	ND	5.5	ug/kg	SW846 8310
Fluorene	ND	55	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	5.5	ug/kg	SW846 8310
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310
Naphthalene	ND	55	ug/kg	SW846 8310
Phenanthrene	ND	55	ug/kg	SW846 8310
Pyrene	ND	5.5	ug/kg	SW846 8310
Results and reporting limits have been adjusted for dry weight.				

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00201					
Sample #: 006 Date Sampled: 03/29/00 13:50 Date Received: 03/30/00 Matrix: SOLID					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.7	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.7	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.7	ug/kg	SW846 8260B	
Toluene	ND	6.7	ug/kg	SW846 8260B	
Xylenes (total)	ND	6.7	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	91.7	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00245					
Sample #: 007 Date Sampled: 03/29/00 14:00 Date Received: 03/30/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	7.2 J	11	mg/kg	FL-DEP FL-PRO	
J Estimated result. Result is less than RL.					
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	55	ug/kg	SW846 8310	
Acenaphthylene	ND	55	ug/kg	SW846 8310	
Anthracene	33 J	55	ug/kg	SW846 8310	
Benzo(a)anthracene	27	5.5	ug/kg	SW846 8310	
Benzo(a)pyrene	36	5.5	ug/kg	SW846 8310	
Benzo(b)fluoranthene	21	5.5	ug/kg	SW846 8310	
Benzo(ghi)perylene	18	5.5	ug/kg	SW846 8310	
Benzo(k)fluoranthene	17	5.5	ug/kg	SW846 8310	
Chrysene	28	5.5	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310	
Fluoranthene	80	5.5	ug/kg	SW846 8310	
Fluorene	ND	55	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	17	5.5	ug/kg	SW846 8310	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C300148 | Tetra Tech NUS, Inc. Whiting Field Project Number: N7648 | Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00245					
Sample #: 007 Date Sampled: 03/29/00 14:00 Date Received: 03/30/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					**In Review**
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
Naphthalene	ND	55	ug/kg	SW846 8310	
Phenanthrene	53 J	55	ug/kg	SW846 8310	
Pyrene	51	5.5	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
J Estimated result. Result is less than RL.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	7.5	ug/kg	SW846 8260B	
Ethylbenzene	ND	7.5	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	7.5	ug/kg	SW846 8260B	
Toluene	ND	7.5	ug/kg	SW846 8260B	
Xylenes (total)	ND	7.5	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					**Reviewed**
Total Residue as Percent Solids	91.2	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00209					
Sample #: 008 Date Sampled: 03/29/00 14:12 Date Received: 03/30/00 Matrix: SOLID					
Petroleum Range Organics					**Reviewed**
Petroleum Range Organics (C8 - C40)	ND	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					**In Review**
Acenaphthene	ND	56	ug/kg	SW846 8310	
Acenaphthylene	ND	56	ug/kg	SW846 8310	
Anthracene	ND	56	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.6	ug/kg	SW846 8310	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00209					
Sample #: 008 Date Sampled: 03/29/00 14:12 Date Received: 03/30/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Benzo(a)pyrene	ND	5.6	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.6	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.6	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.6	ug/kg	SW846 8310	
Chrysene	ND	5.6	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.6	ug/kg	SW846 8310	
Fluoranthene	ND	5.6	ug/kg	SW846 8310	
Fluorene	ND	56	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.6	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	56	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	56	ug/kg	SW846 8310	
Naphthalene	ND	56	ug/kg	SW846 8310	
Phenanthrene	ND	56	ug/kg	SW846 8310	
Pyrene	ND	5.6	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	7.5	ug/kg	SW846 8260B	
Ethylbenzene	ND	7.5	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	7.5	ug/kg	SW846 8260B	
Toluene	ND	7.5	ug/kg	SW846 8260B	
Xylenes (total)	ND	7.5	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					
Total Residue as Percent Solids	89.0	0.10	%	MCAWW 160.3 MOD	Reviewed
Client Sample ID: 76SP00301					
Sample #: 009 Date Sampled: 03/29/00 14:25 Date Received: 03/30/00 Matrix: SOLID					
Petroleum Range Organics					
Petroleum Range Organics (C8 - C40)	ND	11	mg/kg	FL-DEP FL-PRO	Reviewed

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00301					
Sample #: 009 Date Sampled: 03/29/00 14:25 Date Received: 03/30/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	56	ug/kg	SW846 8310	
Acenaphthylene	ND	56	ug/kg	SW846 8310	
Anthracene	ND	56	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.6	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.6	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.6	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.6	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.6	ug/kg	SW846 8310	
Chrysene	ND	5.6	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.6	ug/kg	SW846 8310	
Fluoranthene	ND	5.6	ug/kg	SW846 8310	
Fluorene	ND	56	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.6	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	56	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	56	ug/kg	SW846 8310	
Naphthalene	ND	56	ug/kg	SW846 8310	
Phenanthrene	ND	56	ug/kg	SW846 8310	
Pyrene	ND	5.6	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	8.4	ug/kg	SW846 8260B	
Ethylbenzene	ND	8.4	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	8.4	ug/kg	SW846 8260B	
Toluene	ND	8.4	ug/kg	SW846 8260B	
Xylenes (total)	ND	8.4	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	89.5	0.10	%	MCAWW 160.3 MOD	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SD00301 SD or SD2.					
Sample #: 010 Date Sampled: 03/29/00 14:25 Date Received: 03/30/00 Matrix: SOLID					
Petroleum Range Organics					
Petroleum Range Organics (C8 - C40)	9.1 J	11	mg/kg	FL-DEP FL-PRO	Reviewed
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	53	ug/kg	SW846 8310	
Acenaphthylene	ND	53	ug/kg	SW846 8310	
Anthracene	ND	53	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.3	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.3	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.3	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.3	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.3	ug/kg	SW846 8310	
Chrysene	ND	5.3	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.3	ug/kg	SW846 8310	
Fluoranthene	ND	5.3	ug/kg	SW846 8310	
Fluorene	ND	53	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.3	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	53	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	53	ug/kg	SW846 8310	
Naphthalene	ND	53	ug/kg	SW846 8310	
Phenanthrene	ND	53	ug/kg	SW846 8310	
Pyrene	ND	5.3	ug/kg	SW846 8310	
Volatile Organics by GC/MS					Reviewed
Benzene	ND	7.7	ug/kg	SW846 8260B	
Ethylbenzene	ND	7.7	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	7.7	ug/kg	SW846 8260B	
Toluene	ND	7.7	ug/kg	SW846 8260B	
Xylenes (total)	ND	7.7	ug/kg	SW846 8260B	

J Estimated result. Result is less than RL.

Results and reporting limits have been adjusted for dry weight.

Results and reporting limits have been adjusted for dry weight.

Results and reporting limits have been adjusted for dry weight.

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SD00301					
Sample #: 010 Date Sampled: 03/29/00 14:25 Date Received: 03/30/00 Matrix: SOLID					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	94.8	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00101					
Sample #: 011 Date Sampled: 03/29/00 13:10 Date Received: 03/30/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					
Client Sample ID: 76SP00145					
Sample #: 012 Date Sampled: 03/29/00 13:25 Date Received: 03/30/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					
Client Sample ID: 76SP00109					
Sample #: 013 Date Sampled: 03/29/00 13:40 Date Received: 03/30/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					
Client Sample ID: 76SP00201					
Sample #: 014 Date Sampled: 03/29/00 13:50 Date Received: 03/30/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					
Client Sample ID: 76SP00245					
Sample #: 015 Date Sampled: 03/29/00 14:00 Date Received: 03/30/00 Matrix: SOLID					

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C300148

Tetra Tech NUS, Inc.
Whiting Field
Project Number: N7648

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD

Client Sample ID: 76SP00245
Sample #: 015 Date Sampled: 03/29/00 14:00 Date Received: 03/30/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE
IN PROGRESS — In Review

Client Sample ID: 76SP00209
Sample #: 016 Date Sampled: 03/29/00 14:12 Date Received: 03/30/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE
IN PROGRESS — In Review

Client Sample ID: 76SP00301
Sample #: 017 Date Sampled: 03/29/00 14:25 Date Received: 03/30/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE
IN PROGRESS — In Review

Client Sample ID: 76SD00301
Sample #: 018 Date Sampled: 03/29/00 14:25 Date Received: 03/30/00 Matrix: SOLID

Volatile Organics by GC/MS SPLPE
IN PROGRESS — In Review

Committed To *Your* Success

Formerly Quanterra

Date: 04/10/00
Time: 12:13:02
(Mountain Time)

From: Nancy Robertson
Severn Trent Laboratories, Inc
Breckenridge II, Suite H
Tampa, FL 33610

voice: 813-621-0784
fax: 813-623-6021

To: Willaim Howard Engle
Tetra Tech Inc.

850-3859860

Number of Pages
Including Cover Sheet: 22

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uote Number: 035380
roject Number: CTO 037
roject Name/Site: Whiting Field

oward, this is the final lot. thanks,Nancy

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP01305				
Sample #: 001 Date Sampled: 03/30/00 16:59 Date Received: 03/31/00 Matrix: SOLID				
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	ND	12	mg/kg	FL-DEP FL-PRO
Results and reporting limits have been adjusted for dry weight.				
Polynuclear Aromatic Hydrocarbons by HPLC				In Review
Acenaphthene	ND	58	ug/kg	SW846 8310
Acenaphthylene	ND	58	ug/kg	SW846 8310
Anthracene	ND	58	ug/kg	SW846 8310
Benzo(a)anthracene	ND	5.8	ug/kg	SW846 8310
Benzo(a)pyrene	ND	5.8	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	5.8	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.8	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	5.8	ug/kg	SW846 8310
Chrysene	ND	5.8	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.8	ug/kg	SW846 8310
Fluoranthene	ND	5.8	ug/kg	SW846 8310
Fluorene	ND	58	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	5.8	ug/kg	SW846 8310
1-Methylnaphthalene	ND	58	ug/kg	SW846 8310
2-Methylnaphthalene	ND	58	ug/kg	SW846 8310
Naphthalene	ND	58	ug/kg	SW846 8310
Phenanthrene	ND	58	ug/kg	SW846 8310
Pyrene	ND	5.8	ug/kg	SW846 8310
Results and reporting limits have been adjusted for dry weight.				
Volatile Organics by GC/MS				Reviewed
Benzene	ND	6.5	ug/kg	SW846 8260B
Ethylbenzene	ND	6.5	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	6.5	ug/kg	SW846 8260B
Toluene	ND	6.5	ug/kg	SW846 8260B
Xylenes (total)	99	6.5	ug/kg	SW846 8260B
Results and reporting limits have been adjusted for dry weight.				

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01305					
Sample #: 001 Date Sampled: 03/30/00 16:59 Date Received: 03/31/00 Matrix: SOLID					
Inorganic Analysis					**Reviewed**
Total Residue as Percent Solids	86.6	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP01405					
Sample #: 002 Date Sampled: 03/30/00 17:08 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					**Reviewed**
Petroleum Range Organics (C8 - C40)	ND	12	mg/kg	FL-DEP FL-PRO	

Results and reporting limits have been adjusted for dry weight.

Polynuclear Aromatic Hydrocarbons by HPLC					To Review
Acenaphthene	ND	58	ug/kg	SW846 8310	
Acenaphthylene	ND	58	ug/kg	SW846 8310	
Anthracene	ND	58	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.8	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.8	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.8	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Chrysene	ND	5.8	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.8	ug/kg	SW846 8310	
Fluoranthene	ND	5.8	ug/kg	SW846 8310	
Fluorene	ND	58	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.8	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
Naphthalene	ND	58	ug/kg	SW846 8310	
Phenanthrene	ND	58	ug/kg	SW846 8310	
Pyrene	ND	5.8	ug/kg	SW846 8310	

Results and reporting limits have been adjusted for dry weight.

(Continued on next page)

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01405					
Sample #: 002 Date Sampled: 03/30/00 17:08 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.3	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.3	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.3	ug/kg	SW846 8260B	
Toluene	ND	6.3	ug/kg	SW846 8260B	
Xylenes (total)	120	6.3	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	86.5	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP01505					
Sample #: 003 Date Sampled: 03/30/00 17:19 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	12	12	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	59	ug/kg	SW846 8310	
Acenaphthylene	ND	59	ug/kg	SW846 8310	
Anthracene	ND	59	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.9	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.9	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.9	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.9	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.9	ug/kg	SW846 8310	
Chrysene	ND	5.9	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.9	ug/kg	SW846 8310	
Fluoranthene	ND	5.9	ug/kg	SW846 8310	
Fluorene	ND	59	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.9	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	59	ug/kg	SW846 8310	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP01505					
Sample #: 003 Date Sampled: 03/30/00 17:19 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
2-Methylnaphthalene	ND	59	ug/kg	SW846 8310	
Naphthalene	ND	59	ug/kg	SW846 8310	
Phenanthrene	ND	59	ug/kg	SW846 8310	
Pyrene	ND	5.9	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	7.4	ug/kg	SW846 8260B	
Ethylbenzene	ND	7.4	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	7.4	ug/kg	SW846 8260B	
Toluene	ND	7.4	ug/kg	SW846 8260B	
Xylenes (total)	110	7.4	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	85.1	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SD01505					
Sample #: 004 Date Sampled: 03/30/00 17:19 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	13	12	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	58	ug/kg	SW846 8310	
Acenaphthylene	ND	58	ug/kg	SW846 8310	
Anthracene	ND	58	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.8	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.8	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.8	ug/kg	SW846 8310	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SD01505					
Sample #: 004 Date Sampled: 03/30/00 17:19 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Benzo(ghi)perylene	ND	5.8	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.8	ug/kg	SW846 8310	
Chrysene	ND	5.8	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.8	ug/kg	SW846 8310	
Fluoranthene	ND	5.8	ug/kg	SW846 8310	
Fluorene	ND	58	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.8	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	58	ug/kg	SW846 8310	
Naphthalene	ND	58	ug/kg	SW846 8310	
Phenanthrene	ND	58	ug/kg	SW846 8310	
Pyrene	ND	5.8	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.9	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.9	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.9	ug/kg	SW846 8260B	
Toluene	ND	5.9	ug/kg	SW846 8260B	
Xylenes (total)	100	5.9	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	86.5	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: RB033000B					
Sample #: 005 Date Sampled: 03/30/00 17:10 Date Received: 03/31/00 Matrix: WATER					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	ND	0.50	mg/L	FL-DEP FL-PRO	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: RB033000B					
Sample #: 005 Date Sampled: 03/30/00 17:10 Date Received: 03/31/00 Matrix: WATER					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	1.1	ug/L	SW846 8310	
Acenaphthylene	ND	1.1	ug/L	SW846 8310	
Anthracene	ND	1.1	ug/L	SW846 8310	
Benzo(a)anthracene	ND	0.11	ug/L	SW846 8310	
Benzo(a)pyrene	ND	0.11	ug/L	SW846 8310	
Benzo(b)fluoranthene	ND	0.11	ug/L	SW846 8310	
Benzo(ghi)perylene	ND	0.11	ug/L	SW846 8310	
Benzo(k)fluoranthene	ND	0.32	ug/L	SW846 8310	
Chrysene	ND	0.11	ug/L	SW846 8310	
Dibenz(a,h)anthracene	ND	0.11	ug/L	SW846 8310	
Fluoranthene	ND	0.21	ug/L	SW846 8310	
Fluorene	ND	2.1	ug/L	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	0.11	ug/L	SW846 8310	
1-Methylnaphthalene	ND	2.1	ug/L	SW846 8310	
2-Methylnaphthalene	ND	2.1	ug/L	SW846 8310	
Naphthalene	ND	2.1	ug/L	SW846 8310	
Phenanthrene	ND	1.1	ug/L	SW846 8310	
Pyrene	ND	0.11	ug/L	SW846 8310	
Volatile Organics by GC/MS					Reviewed
Benzene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	
Client Sample ID: 76SP00701					
Sample #: 006 Date Sampled: 03/30/00 12:55 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	110	11	mg/kg	FL-DEP FL-PRO	

Results and reporting limits have been adjusted for dry weight.

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

Client Sample ID: 76SP00701
Sample #: 006 Date Sampled: 03/30/00 12:55 Date Received: 03/31/00 Matrix: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	550	ug/kg	SW846 8310	
Acenaphthylene	ND	550	ug/kg	SW846 8310	
Anthracene	ND	550	ug/kg	SW846 8310	
Benzo(a)anthracene	34 J	55	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	55	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	55	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	55	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	55	ug/kg	SW846 8310	
Chrysene	160	55	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	55	ug/kg	SW846 8310	
Fluoranthene	860	55	ug/kg	SW846 8310	
Fluorene	ND	550	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	55	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	550	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	550	ug/kg	SW846 8310	
Naphthalene	ND	550	ug/kg	SW846 8310	
Phenanthrene	280 J	550	ug/kg	SW846 8310	
Pyrene	130	55	ug/kg	SW846 8310	

Results and reporting limits have been adjusted for dry weight.
J Estimated result. Result is less than RL.

Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.0	ug/kg	SW846 8260B	
Ethylbenzene	1.3 J	6.0	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.0	ug/kg	SW846 8260B	
Toluene	ND	6.0	ug/kg	SW846 8260B	
Xylenes (total)	110	6.0	ug/kg	SW846 8260B	

Results and reporting limits have been adjusted for dry weight.
J Estimated result. Result is less than RL.

Inorganic Analysis					Reviewed
Total Residue as Percent Solids	91.0	0.10	%	MCAWW 160.3 MOD	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

Client Sample ID: 76SP00745
Sample #: 007 Date Sampled: 03/30/00 13:06 Date Received: 03/31/00 Matrix: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	18	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	56	ug/kg	SW846 8310	
Acenaphthylene	ND	56	ug/kg	SW846 8310	
Anthracene	ND	56	ug/kg	SW846 8310	
Benzo(a)anthracene	11	5.6	ug/kg	SW846 8310	
Benzo(a)pyrene	13	5.6	ug/kg	SW846 8310	
Benzo(b)fluoranthene	9.4	5.6	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.6	ug/kg	SW846 8310	
Benzo(k)fluoranthene	6.0	5.6	ug/kg	SW846 8310	
Chrysene	19	5.6	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.6	ug/kg	SW846 8310	
Fluoranthene	30	5.6	ug/kg	SW846 8310	
Fluorene	ND	56	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	9.9	5.6	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	56	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	56	ug/kg	SW846 8310	
Naphthalene	ND	56	ug/kg	SW846 8310	
Phenanthrene	ND	56	ug/kg	SW846 8310	
Pyrene	14	5.6	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.6	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.6	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.6	ug/kg	SW846 8260B	
Toluene	ND	6.6	ug/kg	SW846 8260B	
Xylenes (total)	91	6.6	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: 76SP00745				
Sample #: 007 Date Sampled: 03/30/00 13:06 Date Received: 03/31/00 Matrix: SOLID				
Inorganic Analysis				Reviewed
Total Residue as Percent Solids	88.7	0.10	%	MCAWW 160.3 MOD
Client Sample ID: 76SP00709				
Sample #: 008 Date Sampled: 03/30/00 13:18 Date Received: 03/31/00 Matrix: SOLID				
Petroleum Range Organics				Reviewed
Petroleum Range Organics (C8 - C40)	30	12	mg/kg	FL-DEP FL-PRO

Results and reporting limits have been adjusted for dry weight.

Polynuclear Aromatic Hydrocarbons by HPLC				In Review
Acenaphthene	ND	59	ug/kg	SW846 8310
Acenaphthylene	ND	59	ug/kg	SW846 8310
Anthracene	ND	59	ug/kg	SW846 8310
Benzo(a)pyrene	ND	5.9	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	5.9	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	5.9	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	5.9	ug/kg	SW846 8310
Chrysene	2.9 J	5.9	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	5.9	ug/kg	SW846 8310
Fluoranthene	ND	5.9	ug/kg	SW846 8310
Fluorene	ND	59	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	5.9	ug/kg	SW846 8310
1-Methylnaphthalene	ND	59	ug/kg	SW846 8310
2-Methylnaphthalene	ND	59	ug/kg	SW846 8310
Naphthalene	ND	59	ug/kg	SW846 8310
Phenanthrene	ND	59	ug/kg	SW846 8310
Pyrene	9.5	5.9	ug/kg	SW846 8310

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00709					
Sample #: 008 Date Sampled: 03/30/00 13:18 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS					**Reviewed**
Benzene	ND	5.9	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.9	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.9	ug/kg	SW846 8260B	
Toluene	ND	5.9	ug/kg	SW846 8260B	
Xylenes (total)	90	5.9	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					**Reviewed**
Total Residue as Percent Solids	85.1	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SD00701					
Sample #: 009 Date Sampled: 03/30/00 12:55 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					**Reviewed**
Petroleum Range Organics (C8 - C40)	15	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					**In Review**
Acenaphthene	ND	54	ug/kg	SW846 8310	
Acenaphthylene	ND	54	ug/kg	SW846 8310	
Anthracene	ND	54	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	5.4	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.4	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.4	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.4	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.4	ug/kg	SW846 8310	
Chrysene	ND	5.4	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.4	ug/kg	SW846 8310	
Fluoranthene	ND	5.4	ug/kg	SW846 8310	
Fluorene	ND	54	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.4	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	54	ug/kg	SW846 8310	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SD00701					
Sample #: 009 Date Sampled: 03/30/00 12:55 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
2-Methylnaphthalene	ND	54	ug/kg	SW846 8310	
Naphthalene	ND	54	ug/kg	SW846 8310	
Phenanthrene	ND	54	ug/kg	SW846 8310	
Pyrene	ND	5.4	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.7	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.7	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.7	ug/kg	SW846 8260B	
Toluene	ND	6.7	ug/kg	SW846 8260B	
Xylenes (total)	80	6.7	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	93.1	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00801					
Sample #: 010 Date Sampled: 03/30/00 13:35 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	11	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	55	ug/kg	SW846 8310	
Acenaphthylene	ND	55	ug/kg	SW846 8310	
Anthracene	ND	55	ug/kg	SW846 8310	
Benzo(a)anthracene	9.8	5.5	ug/kg	SW846 8310	
Benzo(a)pyrene	12	5.5	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.5	ug/kg	SW846 8310	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00801					
Sample #: 010 Date Sampled: 03/30/00 13:35 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Benzo(ghi)perylene	ND	5.5	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.5	ug/kg	SW846 8310	
Chrysene	12	5.5	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310	
Fluoranthene	23	5.5	ug/kg	SW846 8310	
Fluorene	ND	55	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.5	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
Naphthalene	ND	55	ug/kg	SW846 8310	
Phenanthrene	ND	55	ug/kg	SW846 8310	
Pyrene	14	5.5	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.5	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.5	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.5	ug/kg	SW846 8260B	
Toluene	ND	5.5	ug/kg	SW846 8260B	
Xylenes (total)	64	5.5	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	91.7	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00845					
Sample #: 011 Date Sampled: 03/30/00 13:45 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	64	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to . . . change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

Client Sample ID: 76SP00845
Sample #: 011 Date Sampled: 03/30/00 13:45 Date Received: 03/31/00 Matrix: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	55	ug/kg	SW846 8310	
Acenaphthylene	ND	55	ug/kg	SW846 8310	
Anthracene	ND	55	ug/kg	SW846 8310	
Benzo(a)anthracene	21	5.5	ug/kg	SW846 8310	
Benzo(a)pyrene	15	5.5	ug/kg	SW846 8310	
Benzo(b)fluoranthene	11	5.5	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.5	ug/kg	SW846 8310	
Benzo(k)fluoranthene	12	5.5	ug/kg	SW846 8310	
Chrysene	24	5.5	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310	
Fluoranthene	71	5.5	ug/kg	SW846 8310	
Fluorene	ND	55	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.5	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
Naphthalene	ND	55	ug/kg	SW846 8310	
Phenanthrene	ND	55	ug/kg	SW846 8310	
Pyrene	63	5.5	ug/kg	SW846 8310	

Results and reporting limits have been adjusted for dry weight.

Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.0	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.0	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.0	ug/kg	SW846 8260B	
Toluene	ND	6.0	ug/kg	SW846 8260B	
Xylenes (total)	91	6.0	ug/kg	SW846 8260B	

Results and reporting limits have been adjusted for dry weight.

Inorganic Analysis					Reviewed
Total Residue as Percent Solids	90.9	0.10	%	MCAWW 160.3 MOD	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00809					
Sample #: 012 Date Sampled: 03/30/00 14:00 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	36	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	55	ug/kg	SW846 8310	
Acenaphthylene	ND	55	ug/kg	SW846 8310	
Anthracene	ND	55	ug/kg	SW846 8310	
Benzo(a)anthracene	3.6 J	5.5	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.5	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.5	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	5.5	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.5	ug/kg	SW846 8310	
Chrysene	3.8 J	5.5	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310	
Fluoranthene	14	5.5	ug/kg	SW846 8310	
Fluorene	ND	55	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.5	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
Naphthalene	ND	55	ug/kg	SW846 8310	
Phenanthrene	ND	55	ug/kg	SW846 8310	
Pyrene	11	5.5	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
J Estimated result. Result is less than RL.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.0	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.0	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.0	ug/kg	SW846 8260B	
Toluene	ND	6.0	ug/kg	SW846 8260B	
Xylenes (total)	86	6.0	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00809					
Sample #: 012 Date Sampled: 03/30/00 14:00 Date Received: 03/31/00 Matrix: SOLID					
Inorganic Analysis					
Total Residue as Percent Solids	91.2	0.10	%	MCAWW 160.3 MOD	Reviewed
Client Sample ID: 76SP00901					
Sample #: 013 Date Sampled: 03/30/00 14:40 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					
Petroleum Range Organics (C8 - C40)	76	11	mg/kg	FL-DEP FL-PRO	Reviewed

Results and reporting limits have been adjusted for dry weight.

Polynuclear Aromatic Hydrocarbons by HPLC					
Acenaphthene	22 J	110	ug/kg	SW846 8310	In Review
Acenaphthylene	ND	110	ug/kg	SW846 8310	
Anthracene	ND	110	ug/kg	SW846 8310	
Benzo(a)anthracene	51	11	ug/kg	SW846 8310	
Benzo(a)pyrene	31	11	ug/kg	SW846 8310	
Benzo(b)fluoranthene	22	11	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	11	ug/kg	SW846 8310	
Benzo(k)fluoranthene	19	11	ug/kg	SW846 8310	
Chrysene	41	11	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	11	ug/kg	SW846 8310	
Fluoranthene	250	11	ug/kg	SW846 8310	
Fluorene	ND	110	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	11	ug/kg	SW846 8310	
1-Methylnaphthalene	33 J	110	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	110	ug/kg	SW846 8310	
Naphthalene	ND	110	ug/kg	SW846 8310	
Phenanthrene	180	110	ug/kg	SW846 8310	
Pyrene	150	11	ug/kg	SW846 8310	

J Estimated result. Result is less than RL.

Results and reporting limits have been adjusted for dry weight.

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Lot #: B0C310119 Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00901					
Sample #: 013 Date Sampled: 03/30/00 14:40 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.9	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.9	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.9	ug/kg	SW846 8260B	
Toluene	ND	5.9	ug/kg	SW846 8260B	
Xylenes (total)	93	5.9	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	91.0	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00945					
Sample #: 015 Date Sampled: 03/30/00 14:53 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	30	12	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	60	ug/kg	SW846 8310	
Acenaphthylene	ND	60	ug/kg	SW846 8310	
Anthracene	ND	60	ug/kg	SW846 8310	
Benzo(a)anthracene	ND	6.0	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	6.0	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	6.0	ug/kg	SW846 8310	
Benzo(ghi)perylene	ND	6.0	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	6.0	ug/kg	SW846 8310	
Chrysene	ND	6.0	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	6.0	ug/kg	SW846 8310	
Fluoranthene	ND	6.0	ug/kg	SW846 8310	
Fluorene	ND	60	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	6.0	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	60	ug/kg	SW846 8310	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

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Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00945					
Sample #: 015 Date Sampled: 03/30/00 14:53 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
2-Methylnaphthalene	ND	60	ug/kg	SW846 8310	
Naphthalene	ND	60	ug/kg	SW846 8310	
Phenanthrene	ND	60	ug/kg	SW846 8310	
Pyrene	ND	6.0	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	6.3	ug/kg	SW846 8260B	
Ethylbenzene	ND	6.3	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	6.3	ug/kg	SW846 8260B	
Toluene	ND	6.3	ug/kg	SW846 8260B	
Xylenes (total)	33	6.3	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue or Percent Solids	93.7	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: 76SP00909					
Sample #: 016 Date Sampled: 03/30/00 15:10 Date Received: 03/31/00 Matrix: SOLID					
Petroleum Range Organics					Reviewed
Petroleum Range Organics (C8 - C40)	ND	11	mg/kg	FL-DEP FL-PRO	
Results and reporting limits have been adjusted for dry weight.					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Acenaphthene	ND	55	ug/kg	SW846 8310	
Acenaphthylene	ND	55	ug/kg	SW846 8310	
Anthracene	ND	55	ug/kg	SW846 8310	
Benzo(a)anthracene	8.7	5.5	ug/kg	SW846 8310	
Benzo(a)pyrene	ND	5.5	ug/kg	SW846 8310	
Benzo(b)fluoranthene	ND	5.5	ug/kg	SW846 8310	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Lot #: B0C310119 Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00909					
Sample #: 016 Date Sampled: 03/30/00 15:10 Date Received: 03/31/00 Matrix: SOLID					
Polynuclear Aromatic Hydrocarbons by HPLC					In Review
Benzo(ghi)perylene	ND	5.5	ug/kg	SW846 8310	
Benzo(k)fluoranthene	ND	5.5	ug/kg	SW846 8310	
Chrysene	11	5.5	ug/kg	SW846 8310	
Dibenz(a,h)anthracene	ND	5.5	ug/kg	SW846 8310	
Fluoranthene	18	5.5	ug/kg	SW846 8310	
Fluorene	ND	55	ug/kg	SW846 8310	
Indeno(1,2,3-cd)pyrene	ND	5.5	ug/kg	SW846 8310	
1-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
2-Methylnaphthalene	ND	55	ug/kg	SW846 8310	
Naphthalene	ND	55	ug/kg	SW846 8310	
Phenanthrene	ND	55	ug/kg	SW846 8310	
Pyrene	21	5.5	ug/kg	SW846 8310	
Results and reporting limits have been adjusted for dry weight.					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	5.6	ug/kg	SW846 8260B	
Ethylbenzene	ND	5.6	ug/kg	SW846 8260B	
Methyl tert-butyl ether	ND	5.6	ug/kg	SW846 8260B	
Toluene	ND	5.6	ug/kg	SW846 8260B	
Xylenes (total)	86	5.6	ug/kg	SW846 8260B	
Results and reporting limits have been adjusted for dry weight.					
Inorganic Analysis					Reviewed
Total Residue as Percent Solids	90.4	0.10	%	MCAWW 160.3 MOD	
Client Sample ID: TRIP BLANK					
Sample #: 017 Date Sampled: 03/30/00 15:10 Date Received: 03/31/00 Matrix: WATER					
Volatile Organics by GC/MS					Reviewed
Benzene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: TRIP BLANK					
Sample #: 017 Date Sampled: 03/30/00 15:10 Date Received: 03/31/00 Matrix: WATER					
Volatile Organics by GC/MS					Reviewed
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	
Client Sample ID: 76SP01305					
Sample #: 018 Date Sampled: 03/30/00 16:59 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					
Client Sample ID: 76SP01405					
Sample #: 019 Date Sampled: 03/30/00 17:08 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					
Client Sample ID: 76SP01505					
Sample #: 020 Date Sampled: 03/30/00 17:19 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					
Client Sample ID: 76SD01505					
Sample #: 021 Date Sampled: 03/30/00 17:19 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					
Client Sample ID: 76SP00701					
Sample #: 022 Date Sampled: 03/30/00 12:55 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE					In Review
IN PROGRESS					

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00745					
Sample #: 023 Date Sampled: 03/30/00 13:06 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00709					
Sample #: 024 Date Sampled: 03/30/00 13:18 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SD00701					
Sample #: 025 Date Sampled: 03/30/00 12:55 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00801					
Sample #: 026 Date Sampled: 03/30/00 13:35 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00845					
Sample #: 027 Date Sampled: 03/30/00 13:45 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00809					
Sample #: 028 Date Sampled: 03/30/00 14:00 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: B0C310119

Tetra Tech NUS, Inc.
Whiting Field
Project Number: CTO 037

Date Reported: 4/10/00

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: 76SP00901					
Sample #: 029 Date Sampled: 03/30/00 14:40 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00945					
Sample #: 030 Date Sampled: 03/30/00 14:53 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review
Client Sample ID: 76SP00909					
Sample #: 031 Date Sampled: 03/30/00 15:10 Date Received: 03/31/00 Matrix: SOLID					
Volatile Organics by GC/MS SPLPE	IN PROGRESS				In Review

Quanterra
5910 Breckenridge Parkway, Suite H
Tampa, Florida 33610-4236

813 621-0784 Telephone
813 623-6021 Fax
www.quanterra.com

ANALYTICAL REPORT

PROJECT NO. CTO 037

Whiting Field

Lot #: B0D120149

Paul Calligan

Tetra Tech NUS, Inc.

SEVERN TRENT LABORATORIES, INC.

Certification Numbers: E84059,HRS84297
FDEP CompQAP: 870270G

Nancy Robertson
Project Manager

April 20, 2000

Quanterra

April 20, 2000

STL LOT NUMBER: **B0D120149**
PO/CONTRACT: N7648-P225/N62467-94-D-0888
CTO# 037
Paul Calligan – Task Order Manager
Tetra Tech NUS, Inc.
1401 Oven Park Drive
Suite 1002
Tallahassee, FL 32312

Dear Paul Calligan,

This report contains the analytical results for the three samples received under chain of custody by STL on April 12, 2000. These samples are associated with your Whiting Field project.

All applicable quality control procedures met method-specified acceptance criteria.

If you have any questions, please feel free to call me at 813-621-0784.

Quanterra

EXECUTIVE SUMMARY - Detection Highlights

B0D120149

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
47SP016 04/11/00 14:52 001				
Benzo(ghi)perylene	5.0 J	5.9	ug/kg	SW846 8310
1-Methylnaphthalene	24 J	59	ug/kg	SW846 8310
2-Methylnaphthalene	24 J	59	ug/kg	SW846 8310
Percent Solids	85.2	0.10	%	MCAWW 160.3 MOD
47SP017 04/11/00 15:13 002				
Benzo(ghi)perylene	5.0 J	6.4	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	4.3 J	6.4	ug/kg	SW846 8310
Ethylbenzene	2.1 J	6.4	ug/kg	SW846 8260B
Percent Solids	78.6	0.10	%	MCAWW 160.3 MOD

METHODS SUMMARY

B0D120149

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Petroleum Range Organics	FL-DEP FL-PRO	
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310	SW846 3540
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

FL-DEP State of Florida Department of Environmental Protection, Florida Administrative Code.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

Quanterra

SAMPLE SUMMARY

B0D120149

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DAR8Q	001	47SP016	04/11/00	14:52
DAR94	002	47SP017	04/11/00	15:13
DAR96	003	TRIP BLANK	04/11/00	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

Quanterra

B0D120149

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		0108178	
	SO	FL-DEP FL-PRO		0104259	
	SO	SW846 8310		0104261	0109116
	SO	MCAWW 160.3 MOD		0105246	0105095
002	SO	SW846 8260B		0108178	
	SO	FL-DEP FL-PRO		0104259	
	SO	SW846 8310		0104261	0109116
	SO	MCAWW 160.3 MOD		0105246	0105095
003	WQ	SW846 8260B		0108279	0108125

Quanterra

TETRA TECH NUS, INC.

Client Sample ID: 47SP016

GC/MS Volatiles

Lot-Sample #...:	B0D120149-001	**Work Order #...:**	DAR8Q103	**Matrix.....:**	SO
Date Sampled...:	04/11/00 14:52	**Date Received..:**	04/12/00 10:00	**MS Run #.....:**	
Prep Date.....:	04/14/00	**Analysis Date..:**	04/15/00		
Prep Batch #...:	0108178	**Analysis Time..:**	03:03		
Dilution Factor:	1	**Initial Wgt/Vol:**	5.96 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	15	**Analyst ID.....:**	001696	**Instrument ID..:**	VO5
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	5.9	ug/kg	0.57
Ethylbenzene	ND	5.9	ug/kg	0.62
Methyl tert-butyl ether	ND	5.9	ug/kg	1.1
Toluene	ND	5.9	ug/kg	0.61
Xylenes (total)	ND	5.9	ug/kg	1.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(28 - 159)
1,2-Dichloroethane-d4	112	(51 - 168)
Toluene-d8	97	(66 - 152)
Dibromofluoromethane	105	(73 - 151)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Quanterra

TETRA TECH NUS, INC.

Client Sample ID: 47SP016

GC Semivolatiles

Lot-Sample #...:	B0D120149-001	Work Order #...:	DAR8Q101	Matrix.....:	SO
Date Sampled...:	04/11/00 14:52	Date Received..:	04/12/00 10:00	MS Run #.....:	
Prep Date.....:	04/13/00	Analysis Date..:	04/18/00		
Prep Batch #...:	0104259	Analysis Time..:	19:19		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	2 mL
% Moisture.....:	15	Analyst ID.....:	001950	Instrument ID..:	HPK
		Method.....:	FL-DEP FL-PRO		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Petroleum Range Organics (C8 - C40)	ND	12	mg/kg	10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nonatriacontane	57	(22 - 152)
o-Terphenyl	100	(45 - 143)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Quanterra

TETRA TECH NUS, INC.

Client Sample ID: 47SP016

HPLC

Lot-Sample #...:	B0D120149-001	**Work Order #...:**	DAR8Q104	**Matrix.....:**	SO
Date Sampled...:	04/11/00 14:52	**Date Received..:**	04/12/00 10:00	**MS Run #.....:**	0109116
Prep Date.....:	04/13/00	**Analysis Date..:**	04/17/00		
Prep Batch #...:	0104261	**Analysis Time..:**	20:21		
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	15	**Analyst ID.....:**	002899	**Instrument ID..:**	LC
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	59	ug/kg	5.9
Acenaphthylene	ND	59	ug/kg	7.5
Anthracene	ND	59	ug/kg	3.9
Benzo(a)anthracene	ND	5.9	ug/kg	1.2
Benzo(a)pyrene	ND	5.9	ug/kg	0.99
Benzo(b)fluoranthene	ND	5.9	ug/kg	0.92
Benzo(ghi)perylene	**5.0 J**	**5.9**	**ug/kg**	**1.3**
Benzo(k)fluoranthene	ND	5.9	ug/kg	0.59
Chrysene	ND	5.9	ug/kg	1.0
Dibenz(a,h)anthracene	ND	5.9	ug/kg	0.97
Fluoranthene	ND	5.9	ug/kg	1.0
Fluorene	ND	59	ug/kg	11
Indeno(1,2,3-cd)pyrene	ND	5.9	ug/kg	0.82
1-Methylnaphthalene	**24 J**	**59**	**ug/kg**	**10**
2-Methylnaphthalene	**24 J**	**59**	**ug/kg**	**8.7**
Naphthalene	ND	59	ug/kg	20
Phenanthrene	ND	59	ug/kg	11
Pyrene	ND	5.9	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Carbazole	67	(17 - 115)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Quanterra

TETRA TECH NUS, INC.

Client Sample ID: 47SP017

GC/MS Volatiles

Lot-Sample #...:	B0D120149-002	Work Order #...:	DAR94103	Matrix.....:	SO
Date Sampled...:	04/11/00 15:13	Date Received..:	04/12/00 10:00	MS Run #.....:	
Prep Date.....:	04/14/00	Analysis Date..:	04/15/00		
Prep Batch #...:	0108178	Analysis Time..:	03:26		
Dilution Factor:	1	Initial Wgt/Vol:	5.15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	21	Analyst ID.....:	001696	Instrument ID..:	VO5
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	6.4	ug/kg	0.62
Ethylbenzene	**2.1 J**	**6.4**	**ug/kg**	**0.67**
Methyl tert-butyl ether	ND	6.4	ug/kg	1.2
Toluene	ND	6.4	ug/kg	0.66
Xylenes (total)	ND	6.4	ug/kg	1.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(28 - 159)
1,2-Dichloroethane-d4	124	(51 - 168)
Toluene-d8	97	(66 - 152)
Dibromofluoromethane	110	(73 - 151)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Quanterra

TETRA TECH NUS, INC.

Client Sample ID: 47SP017

GC Semivolatiles

Lot-Sample #...:	B0D120149-002	**Work Order #...:**	DAR94101	**Matrix.....:**	SO
Date Sampled...:	04/11/00 15:13	**Date Received..:**	04/12/00 10:00	**MS Run #.....:**	
Prep Date.....:	04/13/00	**Analysis Date..:**	04/18/00		
Prep Batch #...:	0104259	**Analysis Time..:**	19:47		
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	2 mL
% Moisture.....:	21	**Analyst ID.....:**	001950	**Instrument ID..:**	HPK
		Method.....:	FL-DEP FL-PRO		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Petroleum Range Organics (C8 - C40)	ND	13	mg/kg	11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nonatriacontane	51	(22 - 152)
o-Terphenyl	86	(45 - 143)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Quanterra

TETRA TECH NUS, INC.

Client Sample ID: 47SP017

HPLC

Lot-Sample #...:	B0D120149-002	Work Order #...:	DAR94104	Matrix.....:	SO
Date Sampled...:	04/11/00 15:13	Date Received..:	04/12/00 10:00	MS Run #.....:	0109116
Prep Date.....:	04/13/00	Analysis Date..:	04/17/00		
Prep Batch #...:	0104261	Analysis Time..:	22:05		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	21	Analyst ID.....:	002899	Instrument ID..:	LC
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	64	ug/kg	6.4
Acenaphthylene	ND	64	ug/kg	8.1
Anthracene	ND	64	ug/kg	4.2
Benzo(a)anthracene	ND	6.4	ug/kg	1.3
Benzo(a)pyrene	ND	6.4	ug/kg	1.1
Benzo(b)fluoranthene	ND	6.4	ug/kg	0.99
Benzo(ghi)perylene	**5.0 J**	**6.4**	**ug/kg**	**1.4**
Benzo(k)fluoranthene	ND	6.4	ug/kg	0.64
Chrysene	ND	6.4	ug/kg	1.1
Dibenz(a,h)anthracene	ND	6.4	ug/kg	1.1
Fluoranthene	ND	6.4	ug/kg	1.1
Fluorene	ND	64	ug/kg	12
Indeno(1,2,3-cd)pyrene	**4.3 J**	**6.4**	**ug/kg**	**0.89**
1-Methylnaphthalene	ND	64	ug/kg	11
2-Methylnaphthalene	ND	64	ug/kg	9.4
Naphthalene	ND	64	ug/kg	22
Phenanthrene	ND	64	ug/kg	12
Pyrene	ND	6.4	ug/kg	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Carbazole	73	(17 - 115)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Quanterra

TETRA TECH NUS, INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...:	B0D120149-003	**Work Order #...:**	DAR96201	**Matrix.....:**	WQ
Date Sampled...:	04/11/00	**Date Received..:**	04/12/00 10:00	**MS Run #.....:**	0108125
Prep Date.....:	04/14/00	**Analysis Date..:**	04/14/00		
Prep Batch #...:	0108279	**Analysis Time..:**	16:44		
Dilution Factor:	1	**Initial Wgt/Vol:**	25 mL	**Final Wgt/Vol..:**	25 mL
Analyst ID.....:	001696	**Instrument ID..:**	VO4		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.080
Ethylbenzene	ND	1.0	ug/L	0.11
Methyl tert-butyl ether	ND	1.0	ug/L	0.10
Toluene	ND	1.0	ug/L	0.12
Xylenes (total)	ND	1.0	ug/L	0.22

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(80 - 120)
1,2-Dichloroethane-d4	118	(77 - 131)
Toluene-d8	110	(80 - 120)
Dibromofluoromethane	111	(80 - 125)

SEVERN TRENT LABS

CONDITION UPON RECEIPT FORM

Client (name or ID): Accu Test

Project name: NAS Whiting Field

Date received: 4-12-00

Lot number:

Received by: J Zinkay

CUR completed by: KD

Cooler/Shipping Information:

Type: ☐ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID/Track #	8148 1229 2261				
Temp (°C)	4.0°				
Cooler ID/Track #					
Temp (°C)					

Other Information:

Any "NO" responses or discrepancies should be explained in the "Comments" section below. If an NCM was initiated, write the NCM number in the appropriate space.

CHECKLIST	YES	NO	NA	NCM #
1. Were custody seals on shipping container(s) intact? Check "NA" if hand delivered. If "Yes," check one: ☒ CUSTODY SEAL SAVED ☐ UNABLE TO SAVE CUSTODY SEAL	X			
2. Were custody papers properly included with samples?	X			
3. Were custody papers properly filled out (ink, signed, match labels)?	X			
4. Did all bottles arrive in good condition (unbroken)?	X			
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓			
6. Were correct bottles used for the tests indicated?	✓			
7. Were proper sample preservation techniques indicated?	✓			
8. Were samples received within holding times? If "No," NCM required.	✓			
9. Were all VOA bottles checked for the presence of air bubbles? If air bubbles were found, indicate in comment section.	✓			
10. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓			
11. Were the samples received with a temperature blank? RECORD TEMPERATURE ABOVE If "No," check one: ☐ Unable to determine temp ☐ Taken from ice/water near samples	✓			
12. Was the cooler temperature less than 6°C?	✓			
13. Were sample pHs checked and recorded by Sample control? *NOTE: VOA samples are checked by laboratory analysts.*			✓	
14. Were samples accepted into the laboratory?	✓			

Comments:

Project Manager initials/date reviewed: 4-12 KD

CHAIN OF CUSTODY

ACCUTEST

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tetra Tech NUS Inc.
ADDRESS: 1401 Owen Park Dr. Ste 102
CITY, STATE, ZIP: Tallahassee FL 32304
SEND REPORT TO:
PHONE #: 850 385 9899

FACILITY INFORMATION

PROJECT NAME: NAS Whiting Field
LOCATION: Milton, FL
PROJECT NO.: 7648
FAX #: 850 385 9860

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	VOA/MTBE 8260 on SPLP*	PAH, TRPH, SPLP*	VOA (120ml)	LAB USE ONLY
	47SP016	4.11.00	1452	NR	SO	6					X	3	2	1	
	47SP017	4.11.00	1513	NR	SO	6					X	3	2	1	
	TRIP BLANK				GW							2			

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 day except SPLP

APPROVED BY: _____ / _____

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☐ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY) _____

COMMENTS/REMARKS

* hold SPLP until TtNUS reviews data from above analyses.

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME: 4.11.00 1615	RECEIVED BY: 1.	RELINQUISHED BY: 2.	DATE TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE _____ C

ATTACHMENT H

PRODUCT LINE JUNCTION
SOIL BORING LOGS

SOUTHNAVFAC

LOG OF BORING SB01

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/21/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	Grab	ND / ND						Sand, light brown, fine to medium grained, less than 5% fines, dry	
	SS-2	Grab	ND / ND	ND		ND		SP		
5	SS-3	DP	ND / ND						Sand, reddish orange, fine to medium grained, some fines slightly plastic, dry	
	SS-4		ND / ND					SC	Clayey Sand, light brown, banded red, dry	
10	SS-5		400 / >5000							
	SS-6		100 / >5000	ND		ND		CL	Sandy Clay, reddish brown, mottled light brown, (fuel staining - dark gray, from 10 to 16' bls) strong fuel like odor, dry	
15	SS-7		30 / 900							
	SS-8		ND / 1000					CH	Clay, light reddish pink, soft, highly plastic, moist	
20	SS-9		ND / 100	ND		ND		CL	Sandy Clay, reddish brown, highly plastic, fuel like odor, dry	
	SS10		ND / 100					CL	Sandy Clay, gray, medium stiff, low plasticity, dry	
25	SS11		ND / 3000							
	SS12		ND / 350						Sand, gray to white, fine to medium grained, trace of dark minerals, less than 5% fines, fuel like odor, dry	
30	SS13		ND / 100	ND		ND		SP		
	SS14		ND / 300							
35			ND / 2500						Sand, gray to white, fine to coarse grained, trace of dark minerals, less than 5% fines, fuel like odor,	
40										

JOB NUMBER:

SOUTHNAVFAC

LOG OF BORING SB01

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/21/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS15	DP	00/3500	ND		ND		SP	Sand, gray to white, fine to medium grained, trace of dark minerals, less than 5% fines, fuel like odor, dry	
45	SS16		50/2000							
	SS17		10/280							
50	SS18		10/200						End of Boring	
55										
20										
25										
30										
35										
40										

JOB NUMBER

SOUTHNAVFAC

LOG OF BORING SB02

Page 1 of 2

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/22/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (PPM) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
0	SS-1	6"/6"	ND/ND					SP	Sand, light brown, fine to medium grained, moist	
	SS-2	6"/6"	ND/ND	ND		ND				
5	SS-3	DP	ND/3000					SM	Silty Sand, light brown, fine grained, ~~some~~ fines, slightly plastic, (fuel staining - dark gray and fuel like odors), moist	
	SS-4		ND/1500					SC/CL	Clayey Sand and Sandy Clay, reddish brown, medium stiff, fuel like odors, moist	
10	SS-5		ND/1500	ND		ND				
	SS-6		ND/1500							
15	SS-7		ND/5000					CL/CH	Sandy Clay and Clay, reddish brown to light gray, medium stiff, (fuel staining - dark gray at 22' bls, fuel like odors) moist	
	SS-8		ND/5000							
20	SS-9		ND/5000							
	SS10		ND/5000	ND		ND				
25	SS11		ND/5000					SP	Sand, gray to white, fine to medium grained, trace of fines and dark minerals, strong fuel like odor, moist	
	SS12		ND/5000							
30	SS13		ND/5000	ND		ND				
	SS14		ND/5000							
35			ND/5000							
40										

JOB NUMBER

SOUTHNAVFAC

LOG OF BORING SB02

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/22/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: 50-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS15	DP ↓	ND/35000							
45	SS16		ND/35000	ND		ND		SP	Sand, gray to white, as above, strong fuel like odor, moist	
	SS17									
50	SS18		ND/35000							
			ND/35000						End of Boring	
55										
20										
25										
30										
35										
40										

JOB NUMBER

SOUTHNAVFAC

LOG OF BORING SB03

Page 1 of 2

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/22/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	Grab	ND/ND					SP	Sand, light brown to yellowish orange, fine to medium grained, trace of fines, moist	
	SS-2	Grab	ND/ND							
5	SS-3	DP	ND/ND							
	SS-4		ND/ND					SC/CL	Clayey Sand, yellowish Orange mottled red, plastic fines, moist	
10	SS-5		50/50						Sandy Clay, reddish brown mottled light brown and gray, medium stiff, moist	
15	SS-6		ND/10 ND			ND				
	SS-7							SP	Sand, gray to white, fine to medium grained, trace of dark minerals, less than 5% fines, strong fuel like odor, dry	
20	SS-8		ND/25000							
	SS-9		ND/25000							
25	SS10		ND/150							
	SS11		ND/4000 ND			ND			Sand, as above, strong fuel like odor	
30	SS12		ND/25000							
	SS13		ND/25000						Sand, gray to white, fin to coarse grained, trace of dark minerals, trace of fines, dry	
35	SS14		ND/3000 ND			ND				
40			ND/300						Sand, gray to white, fine to medium grained, trace of dark minerals, trace of fines, fuel like odor, dry	

JOB NUMBER

SOUTHNAVFAC

LOG OF BORING SB03

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/22/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SD-2
GEOLOGIST: [redacted]

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) filtered / unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS15	↑ DP	0/300						Sand, gray to white, fine to coarse grained, trace of gravel (pebbles), fuel like odor, dry	
45	SS16	↓	0/3000						End of Boring	
50										
15										
20										
25										
30										
35										
40										

JOB NUMBER

SOUTHNAVFAC

LOG OF BORING SB04

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/22/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
0	SS-1	6"/6"	ND/ND					SP	Sand, light brown, fine to medium grained, roots and organic matter, moist	
	SS-2	6"/6"	ND/ND							
5	SS-3	(DP)	ND/ND	ND		NP		SC	Clayey Sand, light brown, fine to medium grained, plastic fines, moist	
	SS-4								Clayey Sand, reddish brown, as above	
10	SS-5		ND/ND					SC/CL	Clayey Sand and Sandy Clay, reddish brown, Sand: fine to medium grained, plastic fines, Clay: medium stiff, slightly plastic, moist	
	SS-6		ND/ND	ND		NP				
15	SS-7		ND/ND					SC	Clayey Sand, light brown, fine to medium grained, plastic fines, moist	
	SS-8		ND/ND						Clay, reddish pink to reddish brown, mottled dark red and orange, highly plastic, soft, moist	
20	SS-9		5/5					CH		
	SS10		10/10	NP		NP			Occasional Silty Sand Seam	
25	SS11		ND/ND					SP	Sand, gray to white, fine to medium grained, trace of dark minerals and fines, moist	
	SS12		10/10							
30									Sand, as above	
									End of Boring	
35										
40										

JOB NUMBER

SOUTHNAVFAC

LOG OF BORING SB05

Page 1 of 2

PROJECT NO: CTO 0037 7648	PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field	DATE DRILLED: 11/24/97
DRILLING COMPANY: Precision Sampling Inc.	SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)	BORING DIAMETER: 3 Inches
DRILLING RIG: SD-2	GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
0	SS-1	6inch	ND/ND					SP	Sand, light brown, fine to medium grained, wet from 4 to 5' bls	
	SS-2	6inch								
5	SS-3	DP	ND/ND					CL	Clayey Sand, light brown, mottled with dark red bands, moist	
	SS-4		ND/ND							
10	SS-5		ND/ND	NP		ND			Sandy Clay, reddish brown, mottled light brown and gray, medium stiff, slightly plastic, moist	
			ND/ND							
15	SS-6							CH	Clay, light reddish pink, soft, high plasticity, moist	
	SS-7		ND/ND							
20	SS-8		ND/NP	ND		NP		CL	Sandy Clay, gray, medium stiff low plasticity, moist	
	SS-9		ND/1500							
25	SS10		ND/500					SP	Sand, gray to white, fine to medium grained, trace of dark minerals, trace of fines, strong fuel like odor, moist	
	SS11		ND/75000	NP		NP				
30	SS12		ND/75000							
35	SS13		ND/75000							
	SS14		ND/100							
40			ND/50						Sand, gray to white, fine to coarse grained, moist	

JOB NUMBER

SOUTHNAVFAC

LOG OF BORING SB05

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/24/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS15	DP	NO/NO						Sand, as above, moist	
45	SS16		NO/NO						End of Boring	
50										
15										
20										
25										
30										
35										
40										

SITE NUMBER

SOUTHNAVFAC

LOG OF BORING SB06

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/24/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
0	SS-1	Grab	ND/ND					SP	Sand, light brown, fine to medium grained, some organics and roots, trace of fines, wet from 4 to 5' bls	
	SS-2	Grab	ND/ND							
5	SS-3	DP	ND/ND	ND		ND		SC	Clayey Sand, light brown, fine to medium grained, mottled dark red, plastic fines, moist (wet at 10' bls)	
	SS-4									
10	SS-5		ND/ND							
	SS-6		ND/ND					CL	Sandy Clay, reddish brown, mottled dark red, gray, and brown, medium stiff, low plasticity, moist	
15	SS-7		ND/ND	ND		ND				
	SS-8		ND/ND					CH	Clay, light pink and gray, medium stiff, highly plastic, moist	
20	SS-9		ND/ND							
	SS10		ND/ND					SP	Sand, yellowish brown, fine to medium grained, less than 5% fines, dry	
25	SS11		ND/ND					CH	Clay, gray, soft highly plastic, moist	
	SS12		ND/ND	ND		ND		CL/SC	Sandy Clay and Clayey Sand, reddish brown plastic fines, moist	
30			ND/ND					SP	Sand, gray to white, fine to coarse grained with gravel, pebbles, trace of dark minerals and fines, dry	
									End of Boring	
35										
40										

WELL NUMBER

SOUTHNAVFAC

LOG OF BORING SB07

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/24/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	Grab	ND/ND					SP	Sand, light brown, fine to medium grained, moist	
	SS-2	Grab	ND/ND							
5	SS-3		ND/ND					SC	Clayey Sand, dark red, fine grained, plastic fines, moist	
	SS-4								Sandy Clay, reddish brown, mottled light brown, dark red, and grey, medium stiff, plastic fines, moist	
10	SS-5		ND/ND	ND		ND		CL		
			ND/ND						Silty Sand, yellowish Orange, fine grained with plastic fines,	
15	SS-6		ND/ND					SM		
	SS-7		ND/ND					CL/SC	Sandy Clay and Clayey Sands, reddish brown to pink, clays medium stiff, moist	
20	SS-8									
	SS-9		ND/ND	ND		ND		SP	Sand, yellowish brown, fine to medium grained	
25	SS10		ND/ND					CL/CH	Sandy Clay and clay, reddish brown, highly plastic fines, moist	
			ND/ND					SP	Sand, grey to white, fine to coarse grained, trace of dark minerals, trace of fines, moist	
30									End of Boring	
35										
40										

CE NUMBER

SOUTHNAVFAC

LOG OF BORING SB08

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/24/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
0	SS-1	Grab	ND/ND					SP	Sand, light brown, fine to medium grained, trace of fines, moist	
	SS-2	Grab	ND/ND							
5	SS-3	DP	ND/ND	ND		ND		SC	Clayey Sand, fine to medium grained with plastic fines, moist	
	SS-4									
10	SS-5		ND/ND					CL/CH	Sandy Clay and Clay, medium stiff, moist	
	SS-6		ND/ND	ND		ND				
15	SS-7		ND/ND							
	SS-8		ND/ND					SP	Sand, gray to white, fine to medium grained, trace of dark minerals and fines, (sweet odor?) dry	
20			ND/ND						End of Boring	
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING SB09

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/24/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	Grab	ND/ND					SP	Sand, light brown, fine to medium grained, trace of organics, moist	
	SS-2	Grab	ND/ND							
5	SS-3	DP	ND/ND	ND		ND		SM	Silty Sand, fine to medium grained, plastic fines, moist	
	SS-4							SC	Clayey Sand, fine to medium grained plastic fines, moist	
10	SS-5		ND/ND							
	SS-6		ND/ND					CH	Clay, gray, mottled red and brown, stiff, highly plastic, moist	
15	SS-7		ND/ND	ND		ND				
	SS-8		ND/ND					CH/CL	Clay and Sandy Clay, gray and reddish pink, stiff, highly plastic, moist	
20	SS-9		ND/5					SC	Clayey Sand, gray, fine to medium grained, plastic fines, moist	
	SS10		20/25	ND		ND		SP	Sand, gray to white, fine to medium grained, trace of fines, musty odor, moist	
25			ND/ND						End of Boring	
30										
35										
40										

ICE NUMBER

SOUTHNAVFAC

LOG OF BORING SB10

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED:
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SD-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	6cc/6	ND/ND							
	SS-2	6cc/6	ND/ND					SP	Sand, light brown, fine to medium grained, trace of fines, moist	
5	SS-3	DP	ND/ND						Sand, reddish brown, fine to medium grained, some plastic fines, moist	
	SS-4							SC	Clayey Sand, light brown, fine to medium grained, highly plastic fines (fuel staining - dark gray from 7 to 10' b/s) fuel like odor, moist	
10	SS-5		ND/50	ND		ND				
	SS-6		ND/3000					CL	Sandy Clay, reddish brown, mottled dark red and gray, medium stiff, slightly plastic, strong fuel like odor, moist	
15	SS-7		ND/50	ND		ND		CH/CL	Clay and Sandy Clay, reddish pink, soft, highly plastic, moist	
	SS-8		ND/100							
20	SS-9		ND/50					SP	Sand, reddish gray, fine to coarse grained, slight fuel like odor, trace of fines, dry	
	SS10		ND/50	ND		ND				
25	SS11		ND/5							
30			ND/ND						Sand, as above, no fuel like odor evident, End of Boring	
35										
40										

ICE NUMBER

SOUTHNAVFAC

LOG OF BORING SB11

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/25/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: SO-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / Unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	Grab	ND/ND					SP	Sand, light brown, fine to medium grained, trace of organics, moist	
	SS-2	Grab	ND/ND							
5	SS-3	DP	ND/500					SM	Silty Sand, light brown, fine grained, plastic fines, wet	
	SS-4		ND/1000					SC	Clayey Sand, reddish brown, fine to medium grained, plastic fines, fuel staining - dark grey, strong fuel like odor, moist	
10	SS-5		ND/5000							
	SS-6		ND/5000					SC/CL	Clayey Sand and Sandy Clay, reddish brown, mottled light brown, medium stiff, plastic fines, (fuel like odors and staining of soils from 7 to 14'bls) moist	
15	SS-7		ND/5000							
	SS-8		ND/7500					CH	Clay, reddish pink, soft, highly plastic, moist	
20	SS-9		ND/7500							
	SS10		ND/7500					SM	Silty Sand, reddish brown, fine to medium grained, plastic fines, moist	
25	SS11		ND/7500							
	SS12		ND/7500					SP	Sand, grey to white, fine to medium grained, trace of dark minerals and fines, strong fuel like odor, dry	
30	SS13		ND/7500							
	SS14		ND/7500							
35			ND/7500							
40										

JCE NUMBER

SOUTHNAVFAC

LOG OF BORING

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 11/25/97
DRILLING COMPANY: Precision Sampling Inc.
SURFACE ELEVATION: Feet
DRILLING METHOD: Direct Push (DP)
BORING DIAMETER: 3 Inches
DRILLING RIG: 50-2
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Filtered / unfiltered: Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS15	DP ↑	ND/75000						Sand, as above	
45	SS16		ND/75000							
	SS17		ND/75000							
50									End of Boring	
15										
20										
25										
30										
35										
40										

USE NUMBERS

SOUTHNAVFAC

LOG OF BORING SB12 / MW01

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/4/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet -
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 8
DRILLING RIG: 361-Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Unfiltered Sample / Filtered Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG % Recovery	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	6 grab	ND / ND	Z	-	Z			Sand, light brown, fine to medium grained, plastic fines, moist	
	SS-2	6 grab	ND / ND							
5	SS-3	1, 1, 1, 4	3500 / 50				100			
10	SS-4	3, 6, 5, 7	>5000 / 200	Z	-	Z	100		Clayey Sand, light brown, fine to medium grained, loose, moist, strong fuel-like odor	
	SS-5	4, 9, 8, 10	>5000 / 50							
15	SS-6	7, 6, 6, 7	>5000 / 100	25	-	25				
	SS-7	3, 9, 5, 8	>5000 / 100						Clayey Sand, light gray, fine to medium grained, some plastic fines, loose, strong fuel like odor	
20	SS-8	2, 8, 5, 4	>5000 / 50				100			
25	SS-9	3, 6, 5, 7	>5000 / 50	25	-	25	80		Sand, light gray, fine to coarse grained, trace of dark minerals, loose, moist	
30	SS-10	6, 9, 6, 8	>5000 / 50							
15	SS-11	7, 11, 10, 12	>5000 / 50	25	-	25	80		Sand, light gray, fine to medium grained, trace of dark minerals, loose, moist, strong fuel like odor	
0										

NUMBER

SOUTHNAVFAC

LOG OF BORING SB12

Page 2 of 2

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
[redacted] LOCATION [redacted] ing Field
DATE DRILLED: 2/4/98
DRILLING COMPANY: Gulf [redacted] Drilling
SURFACE ELEVATION: Feet –
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 8
DRILLING RIG: 36 Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Unfiltered Sample / Filtered	B. Zone	Borehole	Drill B. Z.	% GRAPHIC LOG Recovery	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS12	8 / 10 / 10 / 13	>5000 / 100				100		Sand, light gray, fine to medium grained, trace of dark minerals, medium dense, moist, fuel like odor	
45	SS13	4 / 5 / 6 / 10	>5000 / ND	11	-	11	100		Sand, light gray, fine to medium grained, some dark minerals, loose, moist, fuel like odor, (silt, light gray - 6-inch thick seam at 49ft, highly plastic, soft, moist)	
50	SS14	8 / 18 / 14 / 19	>5000 / 5	15	-	15	100		Sand, light gray fine to medium grained, some dark minerals, medium dense, moist, strong fuel like odor.	
55	SS15	4 / 6 / 6 / 5	>5000 / 10	15	-	25	90		Sand, light gray, fine to medium grained, some dark minerals, loose moist, fuel like odor.	
60	SS16	6 / 13 / 13 / 13	>5000 / 5	15	-	15	80		Clayey Sand and Sand, light gray to pink, fine grained, some dark minerals, plastic fines, moist, fuel like odor	
65	SS17	16 / 37 / 36 / 46	>5000 / ND	12	-	12	80		As above - clayey Sand and Sand interlayers, dense, moist	
70	SS18	16 / 16 / 23 / 34	>5000 / ND	15	-	15	100		Sand, light gray, fine to medium grained, trace of dark minerals, dense, moist, fuel like odor	
75	SS19	18 / 41 / 28 / 50	1500 / ND				100		Sand, light gray, medium to coarse grained, trace of dark minerals dense, dry	
80										

ICE NUMBER

SOUTHNAVFAC

LOG OF BORING SB12

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/4/98 - 2/5/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet —
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 8
DRILLING RIG: 361-Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample Filtered	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	GRAPHIC LOG % Recovery	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
81	SS20	18 47 32 32	5 ND	18	-	18	100		Sand and Clayey Sand, white and pink, fine to medium grained, plastic fines, ~~dense~~, m. dense, dry	
85	SS21	7 33 12 34	>5000 ND	17	-	17	100		Sand, light gray, fine to medium grained, some plastic fines, trace of dark minerals, dense, moist	
90	SS22	8 16 12 19	5 ND	18	-	18	100		Sand, light gray, fine to medium grained, dense moist	
95	SS23	2 12 7 16					100		Sand, light gray to light brown, fine to medium grained, trace of fines, medium dense wet	
100	SS24	4 2					100		Sand, light gray and light brown, fine to coarse grained, loose, wet	
105	SS25				E. O. B.				Sand, light gray and light brown as above	
									Clay, light gray, soft at 106'	
110										
115										
0										

NUMBER

SOUTHNAVFAC

LOG OF BORING SB13 MW02

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/6/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet -
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 8
DRILLING RIG: 361-Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Unfiltered Sample	PID (ppm) Filtered Sample	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	% GRAPHIC LOG Recovery	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
										Due to close proximity to SB01 and SB02 Boring SB13 was Blind Drilled to 55' b/s.	
55	SS-1	10 10 / 10 8	40 / ND		ND	-	ND	100		Clayey Sand, gray to pink, fine to medium grained, some dark minerals, plastic fines, moist	
60	SS-2	8 9 / 10 15	5 / ND					100			
65	SS-3	12 15 / 14 13	5 / ND		ND	-	ND	100		As above, moist	
70	SS-4	16 16 / 24 34	15 / ND					100		Sand, light gray, fine to medium grained, dense, moist	
75	SS-5	18 16 / 24 16	50 / ND		8	-	8	100		Sand, light gray, fine to medium grained, trace of dark minerals, moist	
80	SS-6	16 23 / 18 24	200 / ND					90			
85	SS-7	21 41 / 18 50	400 / ND		9	-	9	90		Sand, light gray, fine to medium grained, trace of dark minerals, dense, moist	
90											

NUMBER

SOUTHNAVFAC

LOG OF BORING SB13 MW02

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/6/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet —
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 8
DRILLING RIG: 361-Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample Filtered	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	GRAPHIC LOG % Recovery	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-8	2 12 7 13					90		Sand, white, fine grained, loose wet	
95	SS-9	4 4 1 3					90		Sand, white, fine to medium grained, trace of fines, loose wet	
100	SS10	6 10 11 10					90		Sand, light gray, fine to medium grained, trace of dark minerals, loose, wet	
									E.O.B	
105										
110										
115										
120										
125										
130										

JCE NUMBER

SOUTHNAVFAC

LOG OF BORING SB14

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/7/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet –
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 6
DRILLING RIG: 361 - Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample (Unfiltered)	PID (ppm) Sample (Filtered)	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	GRAPHIC LOG	% Recovery	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	6cab	ND	ND	2	-	2				Sand, light brown, fine to medium grained, trace of organic matter (roots), trace of fines, dry	
	SS-2	6cab	ND	ND								
5	SS-3	1 2 3 2	ND	ND					100		Sand, light brown, fine to medium grained, trace of fines, loose wet	
10	SS-4	6 10 8 11	NA	ND	8	-	8		100		Clayey Sand, light brown, mottled red, fine to medium grained, plastic fines, loose, moist	
15	SS-5	6 7 9 7	15	5					100		Clay, Pink, mottled gray, soft highly plastic, moist	
20	SS-6	9 8 10 6	>5000	30	9	-	9		80		Sand, white, fine to medium grained, slight fuel-like odor, dry	
25	SS-7	4 5 8 5	4500	10					90		Sand, greyish white, fine to medium grained, trace of dark minerals, slight fuel like odor, loose, moist	
30	SS-8	4 8 8 5	>5000	ND					100			
35	SS-9	5 9 11 8	>5000	ND					100			
40												

JOB NUMBER

SOUTHNAVFAC

LOG OF BORING SB14

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/7/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet —
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 8
DRILLING RIG: 361-Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	% GRAPHIC LOG Recovery	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS10	10 7 11 8	>5000 ND				100		Sand, as above, Fuel like odor, dry	
45	SS11	9 7 15 11	>5000 400				90			
50	SS12	18 10 83 11	1500 ND				90		E.O.B.	
55										
60										
65										
70										
75										
0										

NUMBER

SOUTHNAVFAC

LOG OF BORING SB15

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Wh[redacted]eld
DATE DRILLED: 2/8/98
DRILLING COMPANY: Gulf Atlan[redacted]illing
SURFACE ELEVATION: Feet
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 6
DRILLING RIG: 361 - Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample Filtered	PID (ppm) Sample Unfiltered	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG % Recovery	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	Grab	ND	ND						Sand, light brown, fine to medium grained, roots, dry	
	SS-2	Grab	ND	ND							
5	SS-3	6 3 / 7 10	ND	ND	5	-	5	70		Clayey Sand, light brown, mottled red, fine grained, plastic fines, loose, wet	
10	SS-4	10 4 / 11 6	ND	ND				70		Clayey Sand, as above, moist	
15	SS-5	15 7 / 10 10	ND	ND				100		Clay Pink, mottled gray, highly plastic, soft, moist	
20	SS-6	10 9 / 11 9	ND	ND	5	-	5	100		Clay, As above	
25	SS-7	6 4 / 7 12	ND	ND	6	-	6	100		Sand, white, fine to medium grained, trace of dark minerals moist E.O.B	
30											
5											
0											

NUMBER

SOUTHNAVFAC

LOG OF BORING SB16

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT LOCATION: NAS Whiting Field
DRILLING COMPANY: Gulf Atlantic Drilling
DRILLING METHOD: Hollow Stem Auger
DRILLING RIG: 361 - Mobile Drill Rig

PROJECT NAME: Product line (Junction) Investigation
DATE DRILLED: 2/8/98
SURFACE ELEVATION: Feet —
BORING DIAMETER: Inches 6
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Instrument Sample	PID (ppm) Instrument Effluent	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	% GRAPHIC LOG Recovery	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
		Grab	ND	ND						Sand, light brown, fine to medium grained, moist (wet at 5' bls)	
		Grab	ND	ND							
5	SS1	1 7 11 13	ND	ND	5	-	5	100			
										Clayey Sand, reddish brown, fine to medium grained, plastic fines, moist	
10	SS-2	7 18 13 23	ND	ND				100			
										Sandy Clay, reddish brown, soft moist	
15	SS-3	7 22 15 18	ND	ND	5	-	5	100			
										Clay, Pink, mottled gray, (iron stains) medium soft, dry	
20	SS-4	6 14 12 18		NO Sample						Hammer not working Properly	
25	SS-5	6 4 12 18	ND	ND	5	-	5	100		Sand, grayish white, fine to medium grained, trace of dark minerals, moist	
30											
35											
0											

NUMBER

SOUTHNAVFAC

LOG OF BORING SB17

Page 1 of 2

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Suction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/8/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet -
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 6
DRILLING RIG: 361 - Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Unfiltered Sample	PID (ppm) Filtered Sample	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	GRAPHIC LOG % Recovery	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	6/6/6	ND	ND						Sand, light brown, fine to medium grained, root fragments, loose, dry	
	SS-2	6/6/6	ND	ND							
5	SS-3	5/1/2/7	ND	ND	5	-	5	100		Clayey Sand, reddish brown, fine to medium grained, plastic fines, loose, moist	
10	SS-4	11/7/10/14	50	ND				100		Sandy Clay, reddish brown, mottled gray, soft, moist	
15	SS-5	8/5/7/10	>500	ND	2	-	2	90		Sandy Clay, light gray, (fuel stains) fuel like odor, moist	
20	SS-6	8/6/12/10	>5000	ND				90			
25	SS-7	8/5/6/10	>5000	ND	2	-	2	100		Sand, grayish white, fine to medium grained, trace of dark minerals, fuel like odor, loose moist	
0	SS-8	10/6/7/12	>5000	ND						Sand, grayish white, fine to coarse grained, fuel like odor	
5	SS-9	7/5/9/13	1500	ND	5	-	5	90		Sand, as above	

NUMBER

SOUTHNAVFAC

LOG OF BORING SB17

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/8/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet -
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 6
DRILLING RIG: 361- Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Infilling	PID (ppm) Sample Filtered	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	GRAPHIC LOG % Recovery	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS10	5 8 11 14	7500	NO	2	-	2	90		Sand, grayish white, fine to coarse grained, pebbles, fuel like odor, dry	
45	SS11	~~7 5~~ 10 12 15	>5000	NO				90		Sand, grayish white, fine grained, some non-plastic fines, fuel like odor, loose, dry	
50	SS12	13 10 11 17	>5000	NO	2	-	2	90		Sand, white, fine to coarse grained, trace of dark minerals, fuel like odor, dry E.O.B	
55											
60											
65											
70											
75											
0											

NUMBER

SOUTHNAVFAC

LOG OF BORING SB18

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/9/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet —
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 6
DRILLING RIG: 361 - Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sampling Equipment	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	% GRAPHIC LOG Recovery	USCS/AGD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	Grab	ND/ND						Sand, light brown, fine to medium grained, trace of fines, dry	
	SS-2	Grab	ND/ND							
5	SS-3	2 1 / 2 1	ND/ND	5	-	5	100		Clayey Sand, reddish brown, fine grained, moist	
10	SS-4	10 4 / 14 7	ND/ND				90		Clayey Sand, as above	
15	SS-5	20 15 / 26 16	ND/ND	5	-	5	90		Clay, reddish pink, soft moist	
20	SS-6	9 7 / 12 7	ND/ND				80			
25	SS-7	11 5 / 16 7	ND/ND	5	-	5	90		Sandy Clay, reddish pink, mottled gray, soft (fine to medium grained sands/seams) moist	
30	SS-8	6 3 / 9 4	ND/ND				90		Sand, white, fine to medium grained, trace of dark minerals, loose, dry	
35									E.O.B	

NUMBER

SOUTHNAVFAC

LOG OF BORING SB19

Page 1 of 1

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/9/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet –
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 6
DRILLING RIG: 361-[redacted] Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	Sample Filtered	B. Zone	Borehole	Drill B. Z.	% GRAPHIC LOG Recovery	USCS/AGD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	6 inch	ND/ND						Sand, light brown, fine to medium grained, root fragments, trace of dark organic matter, loose, dry	
	SS-2	6 inch	ND/ND							
5	SS-3	3/3 1/5	ND/ND	Z	-	Z	100		clayey Sand, red, fine to medium grained, plastic fines, loose, moist	
10	SS-4	7/6 6/6	ND/ND				100		Clayey Sand, red mottled brown, fine to medium grained, moist	
15	SS-5	10/8 8/9	ND/ND	Z	-	Z	100		Clayey Sand, light brown, fine to medium grained, plastic fines, moist (wet at 22' bls)	
20	SS-6	9/9 5/7 12	NR				100		Sandy Clay, Pinkish gray, soft, highly plastic, moist	
25	SS-7	8/9 6/8	ND/ND	Z	-	Z	100			
30	SS-8	8/9 4/6	400/ND				100		Sand, greyish white, fine to medium grained, trace of dark minerals, loose, dry	
15	SS-9	8/9 5/6	2/ND	Z	-	Z	100			
0	SS-10	8/9 11/10	ND/ND				100		Sand, as above	
2'									E.O.B.	

NUMBER

SOUTHNAVFAC | **LOG OF BORING** SB20 | Page 1 of 2

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product line (Junction) Investigation
PROJECT LOCATION: NAS Whiting Field
DATE DRILLED: 2/9/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet —
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 6
DRILLING RIG: 361 - Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sampling Equipment	PID (ppm) Sample Effluent	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	% GRAPHIC LOG Recovery	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	SS-1	Grab	ND	ND						Sand, light brown, fine to medium grained, dry	
	SS-2	Grab	ND	ND							
5	SS-3	7/9 4/4	ND	ND	2	-	2	100		Clayey Sand, reddish brown, fine to medium grained, plastic fines, wet	
10	SS-4	11/13 10/8	5	3				100		Clayey Sand, as above, moist	
15	SS-5	10/12 5/8	50	ND	2	-	2	100		Sandy Clay, red, mottled, fine to medium grained sands, friable, dry	
20	SS6	8/8 4/5	350	5				80		Clayey Sand, light pink, fine grained, plastic fines, moist	
25	SS7	10/10 3/2	120	5	2	-	2	90		Sand, Grayish white, medium to coarse grained, pebbles, trace of dark minerals, loose, dry	
30	SS-8	10/10 6/6	50	ND				100		Sand, as above (fine to medium grained	
35	SS-9	15/14 6/10	250	10	2	-	2	90		Sand, grayish white, fine to coarse grained, trace of dark minerals, loose, dry	
0											

NUMBER

SOUTHNAVFAC

LOG OF BORING SB20

PROJECT NO: CTO 0037 7648
PROJECT NAME: Product Line (Junction) Investigation
PROJECT LOCATION: NAS, Whiting Field
DATE DRILLED: 2/9/98
DRILLING COMPANY: Gulf Atlantic Drilling
SURFACE ELEVATION: Feet -
DRILLING METHOD: Hollow Stem Auger
BORING DIAMETER: Inches 6
DRILLING RIG: 361-Mobile Drill Rig
GEOLOGIST: Gerald Goode

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample Headspace	PID (ppm) B. Zone	PID (ppm) Borehole	PID (ppm) Drill B. Z.	GRAPHIC LOG % Recovery	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
41	SS10	3 6 / 16	15 / ND	5	-	5	80		Sand, grayish white, fine to coarse grained, trace of dark minerals, loose, dry	
45	SS11	9 / 16 13 / 18	95 / ND				90		" "	
50	SS12	9 / 22 16 / 24	95 / ND	5	-	5	90		Sand, grayish white, fine to medium grained, trace of dark minerals, medium dense, dry	
55	SS13	12 / 16 11 / 8	5 / ND				00		Clayey Sand, pink, fine grained, plastic fines, loose, moist	
60	SS14	18 / 28 03 / 28	20 / NP	5	-	5	90		Sand, grayish white, fine to medium grained, dense dry	
65									E.O.B.	
70										
75										
0										

NUMBER

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLS-SB10
DATE: 5/11/00
GEOLOGIST: John C. Webster
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1			0.3'	Silt	Light Olive Brown	Poorly Sorted Sand (SW)		Grass				
	2						F, m grained						
	3					Dark Yellowish Brown	Fine grained well sorted (SP)						
	4						Sand						
	5		Hand Auger							6.9	0.0	0.0	0.0
	6								moist				
	7												
	8				med Stiff	Yellowish red 5YR 4/6	fine to med grained						
	9		48				silty sand; moist						
	10		48		med Stiff	Reel	2.5YR 4/6 silty sand w/ grey mottled			7550	0.0	0.0	0.0
	11						organic pockets		odor				
	12				med Stiff	Reel to Yellow Brown to white to Grey	mottled silty sand (SW)						
X	13		36						Target Depth				
X	14		48							1880	0.0	0.0	0.0
	15					← Grey	organic pocket - Fuel Lader						
	16						End Boring						
	17												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: X PLS-SS-SB10-14 @ 1020 at 13' to 14' bgs

Drilling Area Background (ppm): 0.0

5/11/00

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NAS Whiting Field
Project No.: CTO 0037 7648

Sample ID No.: PCJ-SS-SB10-14
Sample Location: Piping Line Trench
Sampled By: John G. Webster
C.O.C. No.: —

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[ ] Low Concentration
[X] High Concentration

GRAB SAMPLE DATA:

Date: 5/11/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1020	13' to 14'	Red to Yellow Brown	Silty sand
Method: DPT			
Monitor Reading (ppm): 1880			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

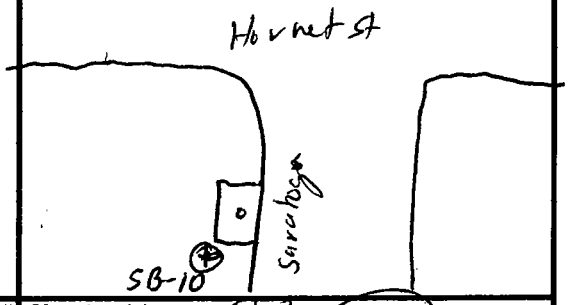
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	3 X 1 Encore	Y	
PAH 8310	1 - 250cc Amber	Y	
FL Pro	1 - 250cc Amber	Y	

OBSERVATIONS / NOTES:

Hand augered to 7'

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: N7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB11
DATE: 5/11/00
GEOLOGIST: John Chrysler
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass				
					Soft	Olive Brown	poorly sorted sand (SW)						
						Yellowish Brown 10YR 5/6	well sorted sand fill sand - very fine to fine grained						
	3												
	4												
									odor				
						Yellow Brown to Red	fine grained sand w/ grey petro staining - heavy odor - fill material is saturated w/ water			1051			
	7					Brown to Red to Grey mottled	silty sand (SM) w petro staining						
					B.5	Red 2.5YR 4/6	silty sand w/ increasing sand content to 11' bgs. occasional grey pockets						
	10												
	11												
	12				Hard Stiff	Red to Yellow Brown to grey	mottled silty sand fine grained - orgnic pockets - petro stain			1110	0.0	0.0	0.0
	13												
	14		48										
	15												
							End Boring						
							5/11/00						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: PLJ-SS-SB11-13 @ 1110 at 13' to 14' bgs

Converted to Well: Yes ___ No X Well I.D. #: —

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: NAS Whiting Field
Project No.: CTO 0037 N7648

Sample ID No.: PLJ-SS-SB11-13
Sample Location: Piping Line Junction
Sampled By: JLJ
C.O.C. No.: —

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[ ] Low Concentration
[X] High Concentration

GRAB SAMPLE DATA:

Date: 5/11/00	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1110	13' to 14'	Red to Yellow Brown	silty sand
Method: DPT			
Monitor Reading (ppm): —			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

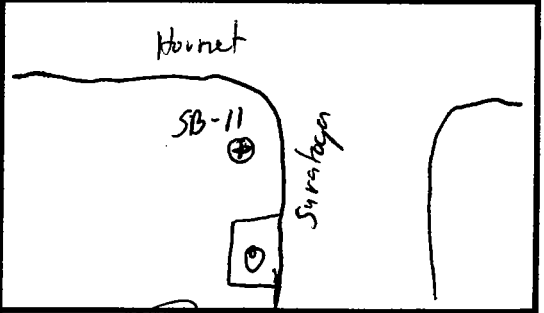
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	3 x 1 Encore	Y	
PAH 8310	1 - 250 cc Amber	Y	
FL PRO	1 - 250 cc Amber	Y	

OBSERVATIONS / NOTES:

Hand augur to 7'

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: N7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB20
DATE: 5/11/00
GEOLOGIST: John G Webster II
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1								Grass				
	2				soft	Light	olive Brown 2.5Y5/4 poorly sorted			0.0	0.0	0.0	0.0
	3						sand very fine to fine to medium grained						
	4		Hand Auger		soft	Dark Yellowish Brown 10YR 4/6	Fine grained well sorted sand						
	5									0.0	0.0	0.0	0.0
	6												
	7												
	8				med stiff	Light Yellow Brown	well sorted fine grained						
0819	9		48				sand w/ Yellowish Red mottles						
	10		48			Red 10R 4/6	mottled to Yellow Brown fine sand						
	11					Yellowish Brown	fine sand to a						
	12					Red 10R 4/6	fine grained silty sand.						
0825	13		36		med stiff	Red to Yellow Brown	mottled silty sand (SM) moist						
	14		48				very fine sand		odor				
	15					white to Yellow Brown	silty sand						
									Target Depth	89.9	0.7	0.0	0.0
0945	16					white to red 10R 5/6	silty sand, moist						
	17									5139.0			
	18						End Boring						
	19												
	20												

5/11/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: PLJ-SS-SB20-15 @0935 at 15' to 16'

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ___ No ✓ Well I.D. #: ___

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: NAS Whiting Field
Project No.: CTO 0037 & 7648

Sample ID No.: BLJ-SS-SB20-15
Sample Location: Piping Line Junction
Sampled By: JW
C.O.C. No.: ___

[ ] Surface Soil
[X] Subsurface Soil
[ ] Sediment
[ ] Other: ___
[ ] QA Sample Type: ___

Type of Sample:
[X] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

Date: 5/11/00 Time: 0935 Method: DPT Monitor Reading (ppm): 89.9	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	15' to 16'	White to Yellow Brown	Silty Sand

COMPOSITE SAMPLE DATA:

Date: Method: Monitor Readings (Range in ppm):	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)

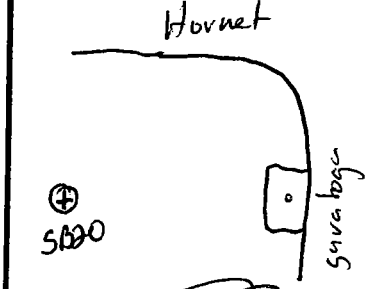
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC 8260	3 x 1 Encore	X	
PAH 8310	1 - 250cc Amber	X	
FL PRO	1 - 250cc Amber	X	

OBSERVATIONS / NOTES:

Sample was collected 2.5' south of Former location of SB-20. As a result of Hand Auger Refusal.

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 764B
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB21
DATE: 5/13/00
GEOLOGIST: John G Webster II
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1				Soft	Strong Brown 7.5YR 5/6	well sorted sand very fine to fine grained (SP)		Grass	0.0	0.0	0.0	0.0
	2								Dry				
	3												
S-1 1420	4		Hand Auger										
	5												
	6								moist				
	7				Med Stiff	Red	2.5YR 4/6 do Strong Brown		mottled silty sand (SM)				
	8												
S-2 1450	9		24		Strong Brown 8.5 Stiff	Red	fine to very fine silty sand grading to a silty sand w/ trace clay fine to very fine grained						
	10		24							0.0	0.0	0.0	0.0
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
S-3 1459	19		19		Soft	Pale Red	10R 7/4 very fine grained to fine grained silty sand (SM)						
	20		24				w/ clayey sand lens (SC) to (CL)			22.1	0.0	0.0	0.0
	21						last 1" is a fine to very fine well sorted sand		- uniform beach sand start				
	22												
	23												
	24												
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB21
DATE: 5/13/00 - 5/14/00
GEOLOGIST: John G Walsh for RR
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ**
	26												
	27												
	28												
S-4	29		20		Soft white fine grained sand - Beach Sand								
1510	30		24		28.4 Pale Red sandy clay (CL) very fine grained 28.7 Pale Red to white Very fine to fine grained sand - Beach sand					11.5			
	31												
	32												
	33												
	34				Inferred as same material								
	35												
	36												
	37												
	38												
5/14/00 S-5	39		18		Soft white		poorly sorted very fine, fine, medium grained sand - silica sand						
0807	40		24							1.1			
	41												
	42												
	43												
	44												
	45				Inferred as same material								
	46												
	47												
	48												
S-6	49		20		Soft white		poorly sorted vf, f, medium grained sand		- silica / Beach Sand				
0807	50		24							0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AFCS
DRILLING RIG: Geoprobe

BORING No.: PJ-SB21
DATE: 5/13/00
GEOLOGIST: John G Webster
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ**
	51												
	52												
	53												
	54				Inferred as same material								
	55												
	56												
	57												
	58												
S-7	59		18		soft white poorly sorted vf, f, med grained sand + silica sand			SW					
0845	60		24						slight odor	29.3			
	61												
	62												
	63												
	64				Inferred as same material								
	65												
	66												
	67												
	68												
S-8	69		24		soft white poorly sorted sand vf, f, med, some shell								
0900	70		24		soft white to slightly reddish p.s. sand grading to a soft pale red white to distinct pale red 5R 7/2 at 69.7' p.s. sand (SW)					1.5			
	71				after pale red distinct lens, color change back to white to very slight pale red p.s. sand vf, f, med grained								
	72												
	73												
	74												
	75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLS SB21
DATE: 5/13/00
GEOLOGIST: John G Webster IV
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	76												
	77												
	78												
S9	79		20		Soft	white to pale red	P.S. sand vf, f, med grained						
0915	80		24			Pale Red	lens						
	81												
	82												
	83												
	84												
	85												
S-10	86		20		Soft	white	P.S. sand vf. f, med grained						
1017	87		24				sand uniform white		Saturated	0.0			
	88				End Boring								
	89												
	90												

5/13/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB22
DATE: 5/14/00
GEOLOGIST: John G Webster IV
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ**
S-1	1				Light brown		very fine to fine grained sand		very dry loose Grass				
1100	2				Dark Yellowish		Brown 10YR 4/4 vf, fine grained sand						
	3		Purged/Purge										
	4								slt moist				
	5				med reed		10R 4/6 fine grained silty sand		sm w/ Yellowish				
	6				Stiff		Brown mottling						
	7												
	8												
S-2	9		24		med soft	Dark Yellowish Brown to Red			mottled v.f. fine to fine grained silty sand				
1113	10		24							0.0			
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
S-3	19		24		stiff/Red 18.5'		10R 4/6 to a Red 10R 5/6 silty sand to a clayey sand to sandy clay (CL) - stiff very sand						
1120	20		24		19.5' stiff Red	10R 5/6	Fine grained silty clayey sand (SC)			0.0	0.0	0.0	0.0
	21												
	22												
	23												
	24												
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB22
DATE: 9/14/00
GEOLOGIST: John G. Webster II
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26												
	27												
	28												
S-4	29		20		Soft white well sorted very fine to fine grained sand - silica sand								
1246	30		24		Beach sand 2 small clayey seams .5' at 29.7'					11.3	0.0	0.0	0.0
	31												
	32												
	33												
	34												
	35				Inferred as same material (ex. sorting)								
	36												
	37												
	38												
S-5	39		20		Soft white poorly sorted vf, f, medium grained sand silica Beach sand								
1259	40		24							0.0			
	41												
	42												
	43												
	44												
	45				Inferred as same material								
	46												
	47												
	48												
S-6	49		20		Soft white P.S vf, f, med grained sand - Beach sand silica								
1313	50		24							0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: MMS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLS-SB22
DATE: 5/14/00
GEOLOGIST: John G Webster IV
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	51												
	52												
	53												
	54				Inferred as same material								
	55												
	56												
	57												
	58												
S-7	59		22		soft	white	p.s. vf, f, med grained sand		beach silica sand clean	317.1			
1325	60		24										
	61												
	62												
	63												
	64				Inferred as same material								
	65												
	66												
	67												
	68												
S-8	69		22		soft	white	p.s. vf, f, med grained sand		beach silica sand clean				
1238	70		24						slight odor-petro	216.2			
	71												
	72												
	73				Inferred as same material above								
	74												
	75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB22
DATE: 5/14/00
GEOLOGIST: John G. Webster IV
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample Net OVA	Sampler BZ	Borehole**	Driller BZ**
	76				Followed as same material above								
	77												
	78				Soft white P.S. Vf, F, med grained sand								
S-7	79		22	78.2 / 78.6	Soft Pale Red 10R 7/2 Vf, F, med grained sand bottom								
1456	80		24		soft white P.S. Vf, F, med grained sand → beach sand silica					70.6			
	81												
	82												
	83												
	84												
	85												
	86												
S-8	87		24	86.4	← loose soft Yellow 2.5Y 7/8 Vf, F grained sand (SP)				good sorting				
1518	88		24	87.2	soft white to Yellow mottled Vf, fine grained sand → Saturated					1025	0.0	0.0	0.0
	89				white to Yellow to pale red mottled Vf, fine sand (SP) (layering)								
	90				soft Pale Red to Yellow silty sand – (Micaceous) in last 1" w/some clay – greasy								
					End Boring								

5/14/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB23
DATE: 5/16/00
GEOLOGIST: John G Webster
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1				loose Yellowish Brown vf, f grained sand				Grass	0.0	0.0	0.0	0.0
S-1	2				Dark Yellowish Brown vf, f, med grained poorly sorted sand Dry w/some silt								
0853	3		Auger										
	4								moist				
	5												
	6												
	7												
	8												
S-2	9		22		med stiff Yellowish Red 5YR 4/6 vf, f grained silty sand (SM) grading to a				slight Yellowish Brown mottling				
0900	10		24		med stiff Red 10R 4/6 vf, f grained silty sand (SM)					0.0			
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
S-3	19		24		18.8' stiff Red 10R 4/6 to a Pale Red 10R 7/2 mottled sandy clay (CL)								
0910	20		24		stiff Pale Red 10R 7/2 vf grained sandy clay w/some med grained sand								
	21												
	22												
	23												
	24												
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: ATECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB23
DATE: 5/16/00
GEOLOGIST: John G Webster IV
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole*	Driller BZ**
	26												
	27												
	28												
S-4	29		20		loose	white to slight light gray	vf, f, med grained poorly sorted sand - silica beach sand	(SW)					
0928	30		24							78.1	0.0		0.0
	31												
	32												
	33												
	34						Inferred as same material						
	35												
	36												
	37												
	38												
S-5	39		18		loose	white	vf, f, med grained sand - silica	(SW)					
0938	40		24				Better sorting at 39 feet/no med grained sand	(SP)		4.9	0.0	0.0	0.0
	41												
	42												
	43												
	44												
	45												
	46												
	47												
	48												
S-6	49		18		loose	white	vf, f, med, course grained poorly sorted sand	(SW)					
0950	50		24				silica sand			4.2	0.0	0.0	0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLS-SB23
DATE: 5/16/00
GEOLOGIST: John Gebhardt
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	51												
	52												
	53												
	54												
	55						Inferred as same material						
	56												
	57												
	58												
S-7	59		15		Medium dense	white	vf, fine quartz grained poorly sorted sand (SW)						
1015	60		24			light gray	trace silt in matrix			33.9	0.0	0.0	0.0
						white	clayey sand stringer - very moist						
	61												
	62												
	63												
	64						Inferred as same material						
	65												
	66												
	67												
	68												
[redacted]					Medium dense	white	vf, fine grained well sorted sand (SP) beach sand						
[redacted]						white	clayey sand stringer - very moist			94.5	0.0		0.0
	74												
	[redacted]												
	77						Inferred as same material						
	76												
	75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB23
DATE: 5/16/00
GEOLOGIST: John G Webster
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	76												
	77						Inferred as same material						
	78												
S-9	79		24		~~wet~~ med dense		White vf, f grained poorly sorted sand w/some med & coarse grained sand	(SW)					
1108	80		24							91.7	0.0	0.0	0.0
	81												
	82												
	83												
	84						Inferred as same material						
	85												
	86								86.5' (TOW)				
S-10	87		15		Loose to med dense		white to slightly yellow vf, f, med grained P.S. sand	(SW)	strong petroleum odor	97	0.0	0.0	0.0
1131	88		24				white to slight gray vf, f, med grained P.S. sand		saturated				
							End Boring						

5/16/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB24
DATE: 5/15/00
GEOLOGIST: John G Webster PE
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1				Loose	Yellowish Brown 10YR 5/6	well sorted very fine to fine grained (SP)		Dry				
S-1	2		4ft		1.5' Dark Yellow		sand						
1045	3		Augered			Brown	vf, f, ~~med~~ grained sand w/some silt						
	4								moist				
	5												
	6												
	7												
	8												
S-2	9		22		med stiff	Red	10R 4/6 vf, fine grained silty sand (SM)						
1105	10		24				w/ scattered Yellow Brown pockets in interval decreasing silt content to 10'			0.0			
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
S-3	19		22		med stiff	Pale Red	7.5R 7/2 very fine grained silty clay to a sandy clay (CL)						
1110	20		24		10 stiff	Red	fine grained sandy lens 1" grading back into Pale red clayey clay			0.0			
	21				loose	Reddish Yellow	5YR 7/8 vf, f, med, course grained p.s. sand (SW)						
	22												
	23												
	24												
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: DLJ-SB24
DATE: 5/15/00
GEOLOGIST: Sean Gr Webster
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26												
	27												
	28												
S-4	29		20		loose	white	very fine, fine, medium grained sand - silica beach sand	(SP) (SW)					
1125	30		24							27.4			
	31												
	32												
	33												
	34						Inferred as same material						
	35												
	36												
	37												
	38												
S-5	39		18		loose	white	vf, f, med grained ~~poorly~~ graded sand	(SW)		-			
1255	40		24							23.6			
	41												
	42												
	43												
	44						Inferred as same material						
	45												
	46												
	47												
	48									89.9			
S-6	49		20		loose	white	vf, f, med grained P.S. sand	(SW)					
1318	50		24						Odor from borehole venting	1.00	3163	3163	

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 11.6

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: DLS-SB24
DATE: 5/15/00
GEOLOGIST: John G Webster @
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	51												
	52												
	53												
	54						Inferred as same material						
	55												
	56												
	57												
	58												
S-7	59		22		loose	white	vf, f, med grained poorly sorted sand	SW					
1337	60		24							0/5	0.0	99.2	11.2
	61												
	62												
	63												
	64												
	65						Inferred as same material						
	66												
	67												
	68												
S-8	69		18		loose	white	vf, f, med grained poorly sorted sand	SW					
1424	70		24		~small	clayey	sand stringer at 69.7'			100.9	0.0	22.0	0.0
	71												
	72												
	73												
	74												
	75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: DLS-SB24
DATE: 5/15/00
GEOLOGIST: John G Webster III
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	76				Inferred as same material								
	77												
	78												
S-9	79		22		Loose white vf, f, med grained poorly sorted sand (SW)					50.1	0.0	338	0.0
1457	80		24		w/ occassional course grained sand.								
	81				Inferred as same material								
	82												
	83												
	84	low	Boring 2										
S-10	85		7		Loose white vf, f, med grained poorly sorted sand				Saturated	52.4	0.0	325	0.0
1602	86		24		Last 2 inches was a Light Yellow Sand								
	87				End Boring								
	88												
	89												
	90												

5/15/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geopulse

BORING No.: PLJ-SB25
DATE: 5/15/00
GEOLOGIST: John G Webster PE
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1				Loose	Yellowish Brown 10YR 5/6	well sorted very fine to fine grained sand		Grass	0.0			
S-1	2		Hand Auger		1.1' Dark	Yellowish Brown	well sorted very fine to fine grained sand w/some silt						
0720	3												
	4												
	5												
	6												
	7												
	8												
S-2	9		20		Med Stiff	Red 10R 4/6	Loose Dark Yellowish Brown vf, f grained silty sand (SM) fine grained silty sand SM (moist						
0748	10		24			Red to Yellowish Brown mottling				0.0			
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
S-3	19		20		loose	white to pale red	vf, fine grained well sorted sand						
0755	20		24		Top of clay is 19.3 Light red Medstiff	Yellowish Red	vf, sand vf grained clayey sand to sandy clay in interval (SC)(CL)			0.0			
	21												
	22												
	23												
	24												
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: DLS-SB25
DATE: 5/15/08
GEOLOGIST: John G Webster IV
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26												
	27												
	28												
S-4	29		20		loose	white	vf, f, med grained poorly sorted sand - silica Beach sand w increasing grain size to 30'						
0801	30		24							0.0	0.0	0.0	0.0
	31												
	32												
	33												
	34						Inferred as same material						
	35												
	36												
	37												
	38												
S-5	39		22		loose	white	vf, f, med grained poorly sorted sand (SW) silica Beach sand - w/ trace fine gravel and course sand						
0817	40		24							0.0			
	41												
	42												
	43												
	44												
	45						Inferred as same material						
	46												
	47												
	48												
S-6	49		22		loose	white	vf, f, med grained P.S sand - silica (SW) with sandy clay lens .5' at 48.7'						
0830	50		24							0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe
BORING No.: PLJ-SB25
DATE: 5/15/00
GEOLOGIST: John G Webster III
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample 10 cm	Sample BZ	Borehole**	Driller BZ**
	51												
	52												
	53												
	54												
	55						Interval as same material						
	56												
	57												
	58												
S-7	59		18		loose white vf, fine grained sand - silica beach sand (SP)				petro-odor				
0845	60		24		- white sandy clay lens					18.8			
	61												
	62												
	63												
	64						Interval as same material						
	65												
	66												
	67												
	68												
S-8	69		20		loose white vf, fine grained sand - silica beach sand (SP)								
					poor rec S/a vff, f grained sand - Horizon			68.8					
0909	70		24		white vf, f grained sand			69.2	No odor	0.0			
	71												
	72												
	73						Interval as same material						
	74												
	75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB25
DATE: 5/15/00
GEOLOGIST: John G Webster PE
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	76												
	77						Inferred as same material						
	78												
S-9	79		15				white vf, f, med grained sand - silica sand						
0934	80		24 ft				white vf, f, grained sand little to no med grained sand		slight odor	0.3			
	81												
	82												
	83						Inferred as same material						
	84												
	85								Soft push at 84.5' - Top				
S-10	86		15				white vf, f, med grained sand - Beach sand -		Saturated				
1020	87		24				Yellow Brown f, med grained sand Horizon White vf, f, med grained sand grading to Yellow Ish Brown vf, f, med grained sand						

End Boring at 87'

5/16/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks:

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: PLJ-SB26
DATE: 5/13/00
GEOLOGIST: John G Webster III
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ**
	1				Soft Dry	Dark Yellowish Brown	poorly sorted sand fine, C. grained		Grass	0.0	0.0	0.0	0.0
S-1	2		Hand Auger				- fill Material (SW)						
0810	3												
	4												
	5												
	6												
	7												
	8												
2	9		24		med Stiff	Red	2.5YR 4/8 Fine grained Silty sand (SM)						
S-2	10		24				w/ Yellowish Brown 10YR 5/6 fine grained sand pockets			83.2			
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18		18.3		Soft	Yellow 10YR 7/6	well sorted fine grained sand						
S-3	19		19		med Stiff	Grayish 7/N	Fine grained clayey sand - not uniform (SC) w/ (SP) mix						
	20		24		19.6' Soft	Pale red to white	10R 7/2 very fine to fine grained sand			14.4			
	21												
	22												
	23												
	24												
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: ARCS
DRILLING RIG: Geoprobe

BORING No.: PLS-SB26
DATE: 5/13/00
GEOLOGIST: John G Webster II
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample Int.	Sampler BZ	Borehole**	Driller BZ**
	26												
	27												
	28								very fine				
S-4	29		20		Soft White / Grey B/N poorly sorted sand		Fine, medium grained						
0845	30		24				trace course grained - clean silica - Beach sand			1.5	0.0	0.0	0.0
	31												
	32												
	33												
	34												
	35				Indented as same material								
	36												
	37												
	38												
S-5	39		20		Soft White / Grey B/N poorly sorted fine, medium and course grained					0.0			
0914	40		24				Sand, mostly med grained						
	41												
	42												
	43												
	44				Indented as same material								
	45												
	46												
	47												
	48												
S-6	49		24		Soft White / Grey B/N poorly sorted fine, medium, course grain								
0930	50		24				Sand			4.2	0.0	0.0	0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 764B
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe

BORING No.: RTJ-SB26
DATE: 5/13/00
GEOLOGIST: John G Webstertt
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ**
	51												
	52												
	53												
	54												
	55					Inferred as same material							
	56												
	57												
	58												
S-7 1015	59		20		soft	white	poorly sorted sand f, m, course grained		odor - petro				
	60		24		soft	Grey & beige	sand Lens 1"		moist	281.5			
	61												
	62												
	63												
	64												
	65					Inferred as same material							
	66												
	67												
	68												
S-8 1045	69		24		soft	white	poorly sorted sand f, m, C grained		odor				
	70		24						moist	1037.0			
	71												
	72												
	73												
	74												
	75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NAS Whiting Field
PROJECT NUMBER: 7648
DRILLING COMPANY: AECS
DRILLING RIG: Geoprobe
BORING No.: PLJ-SB26
DATE: 5/13/00
GEOLOGIST: John G. Webster II
DRILLER: David Cobb

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	U S C S *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
	76												
	77				Inferred - same material description								
	78												
S-9	79		12/24		white soft	poorly sorted sand fine, medium, coarse grained							
1120	80						predominantly medium grained			579	0.0		0.0
	81												
	82												
	83												
	84												
	85												
	86												
	87												
	88				Light Brown to white p.s sand fine & medium grained								
S-10	89		24/24		Red p.s. sand to clayey sand Light Brown to Grey clayey silt lens 1"				Saturated				
1314	90				Red to Light Brown to Brown poorly sorted sand					747	0.0	1120	0.0
	91				End Boring								
									Off gasing blew FID Flame out				

5/13/00

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

Remarks: ____________________

Converted to Well: Yes ________ No ________ Well I.D. #: ____________________

ATTACHMENT I

PRODUCT LINE JUNCTION
SOIL SAMPLE LABORATORY DATA

Quanterra Incorporated
5910 Breckenridge Parkway, Suite H
Tampa, Florida 33610

813 621-0784 Telephone
813 623-6021 Fax

Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 7648

(NAS) Whiting Field

Lot #: B7K250141

Paul Calligan

Brown & Root Environmental

QUANTERRA INCORPORATED

Certification Numbers: E84059,HRS84297
FDEP CompQAP: 870270G

Nancy Robertson

Nancy Robertson
Project Manager

June 5, 1998

Quanterra Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B7K250141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
OWS-SS-SB05-0506 11/19/97 16:00 001				
TPH (C8-C40)	540	12	mg/kg	FL-DEP FL-PRO
Ethylbenzene	5.0	0.29	mg/kg	SW846 8020A
Toluene	0.30	0.29	mg/kg	SW846 8020A
Xylenes (total)	2.9	0.29	mg/kg	SW846 8020A
Fluorene	150	58	ug/kg	SW846 8310
1-Methylnaphthalene	1800	58	ug/kg	SW846 8310
2-Methylnaphthalene	2000	58	ug/kg	SW846 8310
Naphthalene	490	58	ug/kg	SW846 8310
Percent Solids	86.3	1.0	%	MCAWW 160.3 MOD
OWS-SS-SB05-0506D 11/19/97 16:10 002				
TPH (C8-C40)	130	12	mg/kg	FL-DEP FL-PRO
Toluene	7.1 G	5.8	ug/kg	SW846 8020A
1-Methylnaphthalene	93	58	ug/kg	SW846 8310
2-Methylnaphthalene	110	58	ug/kg	SW846 8310
Naphthalene	30 J	58	ug/kg	SW846 8310
Percent Solids	86.3	1.0	%	MCAWW 160.3 MOD
OWS-SS-SB01-1112 11/19/97 16:15 003				
TPH (C8-C40)	3800	120	mg/kg	FL-DEP FL-PRO
Ethylbenzene	2.8	0.30	mg/kg	SW846 8020A
Toluene	0.053 J	0.30	mg/kg	SW846 8020A
Xylenes (total)	4.6	0.30	mg/kg	SW846 8020A
Fluorene	430 J	600	ug/kg	SW846 8310
1-Methylnaphthalene	6800	600	ug/kg	SW846 8310
2-Methylnaphthalene	8900	600	ug/kg	SW846 8310
Naphthalene	3100	600	ug/kg	SW846 8310
Percent Solids	83.4	1.0	%	MCAWW 160.3 MOD
OWS-SS-SB09-0506 11/19/97 16:50 004				
TPH (C8-C40)	5.7 J	12	mg/kg	FL-DEP FL-PRO
Percent Solids	86.6	1.0	%	MCAWW 160.3 MOD
PDF-SS-SB01-0708 11/20/97 16:20 005				
Percent Solids	86.8	1.0	%	MCAWW 160.3 MOD

(Continued on next page)

Quanterra Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B7K250141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PDF-SS-SB06-1819 11/20/97 16:30 006				
Percent Solids	87.6	1.0	%	MCAWW 160.3 MOD
PDF-SS-SB06-1011 11/20/97 16:45 007				
TPH (C8-C40)	20	12	mg/kg	FL-DEP FL-PRO
Ethylbenzene	0.60 J	2.4	ug/kg	SW846 8020A
Toluene	1.3 J	2.4	ug/kg	SW846 8020A
Xylenes (total)	5.0	2.4	ug/kg	SW846 8020A
Percent Solids	84.1	1.0	%	MCAWW 160.3 MOD
JNC-SS-SB01-1011 11/22/97 16:40 008				
TPH (C8-C40)	630	11	mg/kg	FL-DEP FL-PRO
Toluene	3.2	2.3	ug/kg	SW846 8020A
Xylenes (total)	0.61 J	2.3	ug/kg	SW846 8020A
Anthracene	240 J	570	ug/kg	SW846 8310
Benzo(a)anthracene	170	57	ug/kg	SW846 8310
Benzo(a)pyrene	160	57	ug/kg	SW846 8310
Benzo(b)fluoranthene	110	57	ug/kg	SW846 8310
Benzo(ghi)perylene	59	57	ug/kg	SW846 8310
Benzo(k)fluoranthene	95	57	ug/kg	SW846 8310
Chrysene	180	57	ug/kg	SW846 8310
Fluoranthene	1800	57	ug/kg	SW846 8310
Fluorene	320 J	570	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	53 J	57	ug/kg	SW846 8310
1-Methylnaphthalene	1200	570	ug/kg	SW846 8310
2-Methylnaphthalene	1800	570	ug/kg	SW846 8310
Naphthalene	570	570	ug/kg	SW846 8310
Phenanthrene	1500	570	ug/kg	SW846 8310
Pyrene	950	57	ug/kg	SW846 8310
Percent Solids	87.0	1.0	%	MCAWW 160.3 MOD
JNC-SS-SB02-0708 11/22/97 17:05 009				
TPH (C8-C40)	900	23	mg/kg	FL-DEP FL-PRO
Ethylbenzene	1.7	0.29	mg/kg	SW846 8020A
Xylenes (total)	3.1	0.29	mg/kg	SW846 8020A
Benzo(a)anthracene	20	5.8	ug/kg	SW846 8310
Benzo(a)pyrene	23	5.8	ug/kg	SW846 8310
Benzo(b)fluoranthene	13	5.8	ug/kg	SW846 8310
Benzo(ghi)perylene	3.5 J	5.8	ug/kg	SW846 8310
Benzo(k)fluoranthene	8.7	5.8	ug/kg	SW846 8310
Chrysene	18	5.8	ug/kg	SW846 8310

(Continued on next page)

Quanterra Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B7K250141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
JNC-SS-SB02-0708 11/22/97 17:05 009				
Fluorene	300	58	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	8.0	5.8	ug/kg	SW846 8310
1-Methylnaphthalene	1200	58	ug/kg	SW846 8310
2-Methylnaphthalene	1400	58	ug/kg	SW846 8310
Naphthalene	480	58	ug/kg	SW846 8310
Percent Solids	86.7	1.0	%	MCAWW 160.3 MOD
JNC-SS-SB04-0708 11/22/97 17:25 010				
Toluene	1.3 J	2.3	ug/kg	SW846 8020A
Percent Solids	86.4	1.0	%	MCAWW 160.3 MOD
PPS-SS-SB01-0405B 11/23/97 12:50 011				
Toluene	0.19 J	1.0	ug/L	SW846 8020A
1,3-Dichlorobenzene	0.24 J	1.0	ug/L	SW846 8020A
PPS-SS-SB01-0405 11/23/97 13:20 012				
TPH (C8-C40)	14	12	mg/kg	FL-DEP FL-PRO
Benzene	10 G	5.8	ug/kg	SW846 8020A
Ethylbenzene	6.6 G	5.8	ug/kg	SW846 8020A
Toluene	69 G	5.8	ug/kg	SW846 8020A
Xylenes (total)	110 G	5.8	ug/kg	SW846 8020A
Percent Solids	85.8	1.0	%	MCAWW 160.3 MOD
PPS-SS-SB01-1011 11/23/97 13:35 013				
TPH (C8-C40)	2300	57	mg/kg	FL-DEP FL-PRO
Xylenes (total)	0.76 J	2.3	ug/kg	SW846 8020A
Anthracene	690 J	1100	ug/kg	SW846 8310
Benzo(a)anthracene	390	110	ug/kg	SW846 8310
Benzo(a)pyrene	360	110	ug/kg	SW846 8310
Benzo(b)fluoranthene	230	110	ug/kg	SW846 8310
Benzo(ghi)perylene	120	110	ug/kg	SW846 8310
Benzo(k)fluoranthene	220	110	ug/kg	SW846 8310
Chrysene	370	110	ug/kg	SW846 8310
Fluoranthene	3800	110	ug/kg	SW846 8310
Fluorene	1100	1100	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	110	110	ug/kg	SW846 8310
1-Methylnaphthalene	3900	1100	ug/kg	SW846 8310
2-Methylnaphthalene	6000	1100	ug/kg	SW846 8310
Naphthalene	2100	1100	ug/kg	SW846 8310

(Continued on next page)

Quanterra Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B7K250141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PPS-SS-SB01-1011 11/23/97 13:35 013				
Phenanthrene	4000	1100	ug/kg	SW846 8310
Pyrene	1700	110	ug/kg	SW846 8310
Percent Solids	87.6	1.0	%	MCAWW 160.3 MOD
PPS-SS-SB02-1011 11/23/97 13:50 014				
TPH (C8-C40)	6.5 J	12	mg/kg	FL-DEP FL-PRO
Xylenes (total)	1.3 J	2.3	ug/kg	SW846 8020A
Percent Solids	85.6	1.0	%	MCAWW 160.3 MOD
TRIP BLANK 11/23/97 015				
1,3-Dichlorobenzene	0.23 J	1.0	ug/L	SW846 8020A

Quanterra
Environmental Services

METHODS SUMMARY

B7K250141

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Aromatic Volatile Organics by GC	SW846 8020A	
Aromatic Volatile Organics by GC	SW846 8020A	SW846 5030
Petroleum Range Organics	FL-DEP FL-PRO	
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310	SW846 3520
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310	SW846 3540
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD

References:

FL-DEP State of Florida Department of Environmental Protection, Florida Administrative Code.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

Quanterra
Environmental Services

SAMPLE SUMMARY

B7K250141

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CE8FW	001	OWS-SS-SB05-0506	11/19/97	16:00
CE8G5	002	OWS-SS-SB05-0506D	11/19/97	16:10
CE8G8	003	OWS-SS-SB01-1112	11/19/97	16:15
CE8GE	004	OWS-SS-SB09-0506	11/19/97	16:50
CE8GJ	005	PDF-SS-SB01-0708	11/20/97	16:20
CE8GK	006	PDF-SS-SB06-1819	11/20/97	16:30
CE8GL	007	PDF-SS-SB06-1011	11/20/97	16:45
CE8GN	008	JNC-SS-SB01-1011	11/22/97	16:40
CE8GP	009	JNC-SS-SB02-0708	11/22/97	17:05
CE8GR	010	JNC-SS-SB04-0708	11/22/97	17:25
CE8GT	011	PPS-SS-SB01-0405B	11/23/97	12:50
CE8GW	012	PPS-SS-SB01-0405	11/23/97	13:20
CE8GX	013	PPS-SS-SB01-1011	11/23/97	13:35
CE8H8	014	PPS-SS-SB02-1011	11/23/97	13:50
CE8HC	015	TRIP BLANK	11/23/97	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Quanterra Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB01-1011

GC Volatiles

Lot-Sample #...: B7K250141-008	**Work Order #...:** CE8GN101	**Matrix.....:** SOLID
Date Sampled...: 11/22/97	**Date Received..:** 11/25/97	
Prep Date.....: 12/03/97	**Analysis Date..:** 12/03/97	
Prep Batch #...: 7336257		
Dilution Factor: 1	**Initial Wgt/Vol:** 2.5 g	**Final Wgt/Vol..:** 5 mL
% Moisture.....: 13	**Method.....:** SW846 8020A	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methyl tert-butyl ether	ND	2.3	ug/kg
Benzene	ND	2.3	ug/kg
Ethylbenzene	ND	2.3	ug/kg
Toluene	**3.2**	**2.3**	**ug/kg**
Chlorobenzene	ND	2.3	ug/kg
1,2-Dichlorobenzene	ND	2.3	ug/kg
1,3-Dichlorobenzene	ND	2.3	ug/kg
1,4-Dichlorobenzene	ND	2.3	ug/kg
Xylenes (total)	**0.61 J**	**2.3**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	81	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Quanterra Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB01-1011

GC Semivolatiles

Lot-Sample #...:	B7K250141-008	**Work Order #...:**	CE8GN103	**Matrix.....:**	SOLID
Date Sampled...:	11/22/97	**Date Received..:**	11/25/97		
Prep Date.....:	11/26/97	**Analysis Date..:**	12/01/97		
Prep Batch #...:	7330223				
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	2 mL
% Moisture.....:	13	**Method.....:**	FL-DEP FL-PRO		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (C8-C40)	**630**	**11**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	94	(22 - 166)
Nonatriacontane	66	(10 - 192)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Quanterra Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB01-1011

HPLC

Lot-Sample #...:	B7K250141-008	**Work Order #...:**	CE8GN102	**Matrix.....:**	SOLID
Date Sampled...:	11/22/97	**Date Received..:**	11/25/97		
Prep Date.....:	12/02/97	**Analysis Date..:**	12/08/97		
Prep Batch #...:	7336192				
Dilution Factor:	10	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	13	**Method.....:**	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	570	ug/kg
Acenaphthylene	ND	570	ug/kg
Anthracene	**240 J**	**570**	**ug/kg**
Benzo(a)anthracene	**170**	**57**	**ug/kg**
Benzo(a)pyrene	**160**	**57**	**ug/kg**
Benzo(b)fluoranthene	**110**	**57**	**ug/kg**
Benzo(ghi)perylene	**59**	**57**	**ug/kg**
Benzo(k)fluoranthene	**95**	**57**	**ug/kg**
Chrysene	**180**	**57**	**ug/kg**
Dibenz(a,h)anthracene	ND	57	ug/kg
Fluoranthene	**1800**	**57**	**ug/kg**
Fluorene	**320 J**	**570**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**53 J**	**57**	**ug/kg**
1-Methylnaphthalene	**1200**	**570**	**ug/kg**
2-Methylnaphthalene	**1800**	**570**	**ug/kg**
Naphthalene	**570**	**570**	**ug/kg**
Phenanthrene	**1500**	**570**	**ug/kg**
Pyrene	**950**	**57**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Carbazole	NC,SRD	(30 - 130)

NOTE(S):

NC The recovery and RPD were not calculated.

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB02-0708

GC Volatiles

Lot-Sample #...:	B7K250141-009	**Work Order #...:**	CE8GP101	**Matrix.....:**	SOLID
Date Sampled...:	11/22/97	**Date Received..:**	11/25/97		
Prep Date.....:	11/30/97	**Analysis Date..:**	12/01/97		
Prep Batch #...:	7335125				
Dilution Factor:	1	**Initial Wgt/Vol:**	100 uL	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	13	**Method.....:**	SW846 8020A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methyl tert-butyl ether	ND	0.29	mg/kg
Benzene	ND	0.29	mg/kg
Ethylbenzene	**1.7**	**0.29**	**mg/kg**
Toluene	ND	0.29	mg/kg
Chlorobenzene	ND	0.29	mg/kg
1,2-Dichlorobenzene	ND	0.29	mg/kg
1,3-Dichlorobenzene	ND	0.29	mg/kg
1,4-Dichlorobenzene	ND	0.29	mg/kg
Xylenes (total)	**3.1**	**0.29**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	94	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB02-0708

GC Semivolatiles

Lot-Sample #...:	B7K250141-009	**Work Order #...:**	CE8GP103	**Matrix.....:**	SOLID
Date Sampled...:	11/22/97	**Date Received..:**	11/25/97		
Prep Date.....:	11/26/97	**Analysis Date..:**	12/02/97		
Prep Batch #...:	7330223				
Dilution Factor:	2	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	2 mL
% Moisture.....:	13	**Method.....:**	FL-DEP FL-PRO		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (C8-C40)	**900**	**23**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	44	(22 - 166)
Nonatriacontane	19	(10 - 192)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB02-0708

HPLC

Lot-Sample #...:	B7K250141-009	**Work Order #...:**	CE8GP102	**Matrix.....:**	SOLID
Date Sampled...:	11/22/97	**Date Received..:**	11/25/97		
Prep Date.....:	12/02/97	**Analysis Date..:**	12/06/97		
Prep Batch #...:	7336192				
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	13	**Method.....:**	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	58	ug/kg
Acenaphthylene	ND	58	ug/kg
Anthracene	ND	58	ug/kg
Benzo(a)anthracene	**20**	**5.8**	**ug/kg**
Benzo(a)pyrene	**23**	**5.8**	**ug/kg**
Benzo(b)fluoranthene	**13**	**5.8**	**ug/kg**
Benzo(ghi)perylene	**3.5 J**	**5.8**	**ug/kg**
Benzo(k)fluoranthene	**8.7**	**5.8**	**ug/kg**
Chrysene	**18**	**5.8**	**ug/kg**
Dibenz(a,h)anthracene	ND	5.8	ug/kg
Fluoranthene	ND	5.8	ug/kg
Fluorene	**300**	**58**	**ug/kg**
Indeno(1,2,3-cd)pyrene	**8.0**	**5.8**	**ug/kg**
1-Methylnaphthalene	**1200**	**58**	**ug/kg**
2-Methylnaphthalene	**1400**	**58**	**ug/kg**
Naphthalene	**480**	**58**	**ug/kg**
Phenanthrene	ND	58	ug/kg
Pyrene	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Carbazole	59	(30 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Quanterra Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB04-0708

GC Volatiles

Lot-Sample #...:	B7K250141-010	**Work Order #...:**	CE8GR101	**Matrix.....:**	SOLID
Date Sampled...:	11/22/97	**Date Received..:**	11/25/97		
Prep Date.....:	12/03/97	**Analysis Date..:**	12/03/97		
Prep Batch #...:	7336257				
Dilution Factor:	1	**Initial Wgt/Vol:**	2.5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	14	**Method.....:**	SW846 8020A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methyl tert-butyl ether	ND	2.3	ug/kg
Benzene	ND	2.3	ug/kg
Ethylbenzene	ND	2.3	ug/kg
Toluene	**1.3 J**	**2.3**	**ug/kg**
Chlorobenzene	ND	2.3	ug/kg
1,2-Dichlorobenzene	ND	2.3	ug/kg
1,3-Dichlorobenzene	ND	2.3	ug/kg
1,4-Dichlorobenzene	ND	2.3	ug/kg
Xylenes (total)	ND	2.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	81	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB04-0708

GC Semivolatiles

Lot-Sample #...:	B7K250141-010	**Work Order #...:**	CE8GR103	**Matrix.....:**	SOLID
Date Sampled...:	11/22/97	**Date Received..:**	11/25/97		
Prep Date.....:	11/26/97	**Analysis Date..:**	12/01/97		
Prep Batch #...:	7330223				
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	2 mL
% Moisture.....:	14	**Method.....:**	FL-DEP FL-PRO		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
TPH (C8-C40)	ND	12	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	86	(22 - 166)
Nonatriacontane	53	(10 - 192)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Quanterra Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: JNC-SS-SB04-0708

HPLC

Lot-Sample #...:	B7K250141-010	**Work Order #...:**	CE8GR102	**Matrix.....:**	SOLID
Date Sampled...:	11/22/97	**Date Received..:**	11/25/97		
Prep Date.....:	12/02/97	**Analysis Date..:**	12/06/97		
Prep Batch #...:	7336192				
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	14	**Method.....:**	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	ND	58	ug/kg
Acenaphthylene	ND	58	ug/kg
Anthracene	ND	58	ug/kg
Benzo(a)anthracene	ND	5.8	ug/kg
Benzo(a)pyrene	ND	5.8	ug/kg
Benzo(b)fluoranthene	ND	5.8	ug/kg
Benzo(ghi)perylene	ND	5.8	ug/kg
Benzo(k)fluoranthene	ND	5.8	ug/kg
Chrysene	ND	5.8	ug/kg
Dibenz(a,h)anthracene	ND	5.8	ug/kg
Fluoranthene	ND	5.8	ug/kg
Fluorene	ND	58	ug/kg
Indeno(1,2,3-cd)pyrene	ND	5.8	ug/kg
1-Methylnaphthalene	ND	58	ug/kg
2-Methylnaphthalene	ND	58	ug/kg
Naphthalene	ND	58	ug/kg
Phenanthrene	ND	58	ug/kg
Pyrene	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Carbazole	92	(30 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Quanterra
Environmental Services

TAMPA LABORATORY
CONDITION UPON RECEIPT FORM

Client: Brown & Root **Project Name:** NAS Whiting Field
Date Received: 11/25/97 **Lot Number:** B[redacted]
Received By: Carol McNulty **CUR Completed By:** [redacted]

Cooler/Shipping Information:

Type: Cooler X Box ___ Other ___/___

Cooler ID/Track #					
Temp (Celsius)	4°				
Cooler ID/Track #					
Temp (Celsius)					

Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact? Check "NA" if hand delivered. If "Yes," check one: CUSTODY SEAL SAVED ☐ UNABLE TO SAVE CUSTODY SEAL ☒	X		
2. Were custody papers properly included with samples?	X		
3. Were custody papers properly filled out (ink, signed, match labels)?	X		
4. Did all bottles arrive in good condition (unbroken)?	X		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	X		
6. Were correct bottles used for the tests indicated?	X		
7. Were proper sample preservation techniques indicated?	X		
8. Were samples received within holding times? If "No," NCM required.	X		
9. Were all VOA bottles checked for the presence of air bubbles? If air bubbles were found, indicate in comment section.	X		
10. Were samples in direct contact with wet ice? If "No," check one: **NO ICE** ☐ **BLUE ICE** ☐	X		
11. Were the samples received with a temperature blank? **RECORD TEMPERATURE ABOVE** If "No," check one: UNABLE TO DETERMINE TEMP ☐ TEMP TAKEN FROM ICE/WATER NEAR SAMPLES ☐	X		
12. Were sample pHs checked and recorded by S.R. (see back for Page 2 - Sample pH)? *NOTE: TOC and VOA samples are checked by laboratory analysts. If response is "Not Inspected," then a pH check is not required/performed by Sample Receiving and Page 2 is not applicable.*	X		Not inspected - Page 2 not completed ☐
13. Were samples accepted into the laboratory?	X		

Comments: 2 aliquot for MS/MSD - but they do not say which [redacted]
Cha[redacted] per Paul Ch[redacted] 6-598 Ken

Complete if applicable: NCM#: ___ Check one: Notified PM by E-mail ☐ Hard Copy ☐

Project Manager initials/date reviewed: ML 12/2/97

Corrective Action: 8310 MS/MSD performed on SB05-0506 ; FL-PRO MS/MSD on SB05-0506D
8020A MS/MSD on SB09

Corrective Action completed by/date: ___

Brown & Root Environmental
455 FAIRWAY DRIVE, SUITE 200
DEERFIELD BEACH, FLORIDA 33441
(305) 570-5885 (305) 570-5974 (FAX)

SITE MANAGER: Paul Calligan
PROJECT NAME: (NAS) Whiting Field
BRE PROJECT NO.: 7648 CODE:
P.O. NO.: P97454

SHIPPED TO: Quanterra, Tampa (LABORATORY NAME, CITY)

CHAIN OF CUSTODY RECORD

LABORATORY ANALYSIS

SAMPLED BY (PRINT): JASON J. McLaun
SAMPLER SIGNATURE: Jason J. McLaun

☑ STANDARD TAT ☐ RUSH
☐ 24 HR. ☐ 48 HR. ☐ 72 HR. ☐ 7 DAYS
RESULTS DUE DATE:

LAB NO.	DATE	TIME	SAMPLE IDENTIFICATION	SAMPLE TYPE COMP.	SAMPLE TYPE GRAB	MATRIX	PRES. TYPE	PARAMETERS 8020	8310/[redacted]	FL-[redacted]	[redacted]	[redacted]	HCl					NUMBER OF CONTAINERS
	11/19/97	1600	OWS-SS-SB05-0506		X	S		1	1									2
	11/19/97	1610	OWS-SS-SB05-0506D		X	S		1	1									2
	11/19/97	1615	OWS-SS-SB01-1112		X	S		1	1									2
	11/19/97	1650	OWS-SS-SB09-0506		X	S		1	1									2
	11/19/97	—	MS/MSD		X	S		1	1									2
	11/20/97	1620	PDF ~~DSP~~-SS-SB01-0708		X	S		1	1									2
	11/20/97	1630	PDF ~~DSP~~-SS-SB06-1819		X	S		1	1									2
	11/20/97	1645	PDF ~~DSP~~-SS-SB06-1011		X	S		1	1									2
	11/22/97	1640	JNC-SS-SB01-1011		X	S		1	1									2
	11/22/97	1705	JNC-SS-SB02-0708		X	S		1	1									2
	11/22/97	1725	JNC-SS-SB04-0708		X	S		1	1									2
	11/23/97	1250	PDS ~~FSE~~-SS-SB01-0405B		X	W				2	2	3						7
			TOTAL NUMBER OF CONTAINERS					11	11	2	2	3						

COMMENTS:
Samples iced
Extra Soil Volume

EMPTY BOTTLES RELINQUISHED BY (SIGNATURE) ①	SEAL INTACT? YES NO N/A	DATE: TIME:	EMPTY BOTTLES RECEIVED BY (SIGNATURE) ② Jason J. McLaun
RELINQUISHED BY (SIGNATURE) ③ Jason J. McLaun	SEAL INTACT? (YES) NO N/A	DATE: 11/24/97 TIME: 1210	RECEIVED BY (SIGNATURE) ④ Carol McNulty
RELINQUISHED BY (SIGNATURE) ⑤	SEAL INTACT? YES NO N/A	DATE: TIME:	RECEIVED BY (SIGNATURE) ⑥

SEAL INTACT? (YES) NO N/A	DATE: 11/17/97	TIME: 1060
SEAL INTACT? YES NO N/A	DATE: 11/25/97	TIME: 1000
SEAL INTACT? YES NO N/A	DATE:	TIME:

SPECIAL INSTRUCTIONS:

LABORATORY REMARKS:

SAMPLE CONTAINERS PRECLEANED BY:
☐ BRE ☑ LABORATORY ☐ MANUFACTURER

METHOD OF SHIPMENT: Fed-ex

BILL OF LADING NO.:

WHITE-FULLY EXECUTED COPY
YELLOW-RECEIVING LABORATORY COPY
PINK-SAMPLERS' COPY/QA COPY
GOLDENROD-SITE MANAGERS' COPY

SAMPLING TEAM:

RECEIVED FOR LABORATORY BY (SIGNATURE):
DATE: TIME:

No. 00932

NO. 39150 (9/95)

Brown & Root Environmental
455 FAIRWAY DRIVE, SUITE 200
DEERFIELD BEACH, FLORIDA 33441
(305) 570-5885 (305) 570-5974 (FAX)

SITE MANAGER: Paul Calligan
PROJECT NAME: (NAS) Whiting Field
BRE PROJECT NO.: 7648 CODE:
P.O. NO.: P97454

SHIPPED TO: Quanterra, Tampa (LABORATORY NAME, CITY)

CHAIN OF CUSTODY RECORD

LABORATORY ANALYSIS

SAMPLED BY (PRINT): JASON T. McCann
SAMPLER SIGNATURE: Jason T. McCann

☑ STANDARD TAT ☐ RUSH
☐ 24 HR. ☐ 48 HR. ☐ 72 HR. ☐ 7 DAYS
RESULTS DUE DATE:

LAB NO.	DATE	TIME	SAMPLE IDENTIFICATION	SAMPLE TYPE COMP.	SAMPLE TYPE GRAB	MATRIX	PRES. TYPE	PARAMETERS 8020	PARAMETERS 8310/FL-PAH	NUMBER OF CONTAINERS	COMMENTS
	11/23/97	1320	PPSHSE-SS-SB01-0405		✓	S	HCl	1	1	2	Samples iced
	11/23/97	1335	PPSHSE-SS-SB01-1011		✓	S	HCl	1	1	2	
	11/23/97	1350	PPSHSE-SS-SB02-1011		✓	S	HCl	1	1	2	
TOTAL NUMBER OF CONTAINERS								3	3	6	

EMPTY BOTTLES RELINQUISHED BY (SIGNATURE) ①	SEAL INTACT? YES NO N/A	DATE: TIME:	EMPTY BOTTLES RECEIVED BY (SIGNATURE) ② Jason T. McCann	SEAL INTACT? (YES) NO N/A	DATE: 11/17/97 TIME: 1000
RELINQUISHED BY (SIGNATURE) ③ Jason T. McCann	SEAL INTACT? (YES) NO N/A	DATE: 11/24/97 TIME: 1210	RECEIVED BY (SIGNATURE) ④ Carol McNulty	SEAL INTACT? YES NO N/A	DATE: 11/25/97 TIME: 1000
RELINQUISHED BY (SIGNATURE) ⑤	SEAL INTACT? YES NO N/A	DATE: TIME:	RECEIVED BY (SIGNATURE) ⑥	SEAL INTACT? YES NO N/A	DATE: TIME:

SPECIAL INSTRUCTIONS:

LABORATORY REMARKS:

SAMPLE CONTAINERS PRECLEANED BY:
☐ BRE ☑ LABORATORY ☐ MANUFACTURER

METHOD OF SHIPMENT: Fed-Ex

BILL OF LADING NO.:

WHITE-FULLY EXECUTED COPY
YELLOW-RECEIVING LABORATORY COPY
PINK-SAMPLERS' COPY/QA COPY
GOLDENROD-SITE MANAGERS' COPY

SAMPLING TEAM:

RECEIVED FOR LABORATORY BY (SIGNATURE):

DATE: TIME:

No. 00933

NO. 39150 (9/95)

ACCUTEST.

06/05/00

Technical Report for

Tetra-Tech, NUS

NAS Whiting Field PO#NOO52-MSA0200-014

N7648.0000.BW0050210

Accutest Job Number: F6517

Report to:

Tetra Tech, NUS
1401 Oven Park. Dr.
Suite 102
Tallahassee, FL 32312

ATTN: Howard Engle

Total number of pages in report: 272

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST.

Sample Summary

Tetra-Tech, NUS

Job No: F6517

NAS Whiting Field PO#NOO52-MSA0200-014
Project No: N7648.0000.BW0050210

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F6517-1	05/11/00	09:35	JW	05/12/00	SO	Soil	PLJ-SS-SB20-15
F6517-2	05/11/00	10:20	JW	05/12/00	SO	Soil	PLJ-SS-SB10-14
F6517-3	05/11/00	11:10	JW	05/12/00	SO	Soil	PLJ-SS-SB11-13
F6517-4	05/11/00	13:25	JW	05/12/00	SO	Soil	OWS-SS-SB19-15
F6517-5	05/11/00	14:05	JW	05/12/00	SO	Soil	OWS-SS-SB18-15
F6517-6	05/11/00	15:05	JW	05/12/00	SO	Soil	OWS-SS-SB21-15
F6517-7	05/11/00	15:50	JW	05/12/00	SO	Soil	OWS-SS-SB24-15

CHAIN OF CUSTODY

ACCUTEST

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tetra Tech NUS
ADDRESS: 1401 Oven Park Dr Suite 120
CITY, STATE, ZIP: Tallahassee, FL
SEND REPORT TO: Howard Engle
PHONE #: (850) 385-9899

FACILITY INFORMATION

PROJECT NAME: NAS Whiting Field
LOCATION: Milton, FL
PROJECT NO.: N7648.0000.BW0050210
FAX #:

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	VOC 8260	PAH 8310	FL PRO	LAB USE ONLY
1	PLJ-SS-SB20-15	5/11/00	0935	JW	Soil	5					X	X	X	X	
2	PLJ-SS-SB10-14	5/11/00	1020	JW	Soil	5					X	X	X	X	
3	PLJ-SS-SB11-13	5/11/00	1110	JW	Soil	5					X	X	X	X	
4	OWS-SS-SB19-15	5/11/00	1325	JW	Soil	5					X	X	X	X	
5	OWS-SS-SB18-15	5/11/00	1405	JW	Soil	5					X	X	X	X	
6	OWS-SS-SB21-15	5/11/00	1505	JW	Soil	5					X	X	X	X	
7	OWS-SS-SB24-15	5/11/00	1550	JW	Soil	5					X	X	X	X	

DATA TURNAROUND INFORMATION

- [X] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [X] STANDARD
- [ ] COMMERCIAL "B"
- [X] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [redacted]	5/11/00 1800	1. Fed EX	2. Fed EX		2. Mike Zinell 5/12/00 0900
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE _____ C
5.		5.			

Accutest Laboratories Southeast
Case Narrative

Job (SDG) No.: F6517

Samples: 1-7

Analysis Performed: 8260, 8310, FL Pro

1) Sample Receipt Conformance / Non-Conformance Summary

Custody Seals on Coolers?	Yes (✓)	No ( )
Custody Seals in Tact?	Yes (✓)	No ( )
Chain of Custody Sealed in Plastic?	Yes (✓)	No ( )
Chain of Custody Filled out Properly?	Yes (✓)	No ( )
Enough ice and Packing material?	Yes (✓)	No ( )
All Bottles Sealed?	Yes (✓)	No ( )
Any Bottles Broken?	Yes ( )	No (✓)
Labels in good condition?	Yes (✓)	No ( )
Labels agree with chain of custody?	Yes (✓)	No ( )
Correct Containers Used?	Yes (✓)	No ( )
Preserved Properly?	Yes (✓)	No ( )
Sufficient Sample?	Yes (✓)	No ( )

Comments: _____

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB20-15		
Lab Sample ID:	F6517-1	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007535.D	1	05/19/00	CJP	n/a	n/a	VH81
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	48	ug/kg	
71-43-2	Benzene	ND	4.8	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	ug/kg	
75-25-2	Bromoform	ND	4.8	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	ug/kg	
75-00-3	Chloroethane	ND	4.8	ug/kg	
67-66-3	Chloroform	ND	4.8	ug/kg	
75-15-0	Carbon disulfide	ND	9.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	ug/kg	
124-48-1	Dibromochloromethane	ND	4.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	9.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	ug/kg	
591-78-6	2-Hexanone	ND	9.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	9.7	ug/kg	
74-83-9	Methyl bromide	ND	4.8	ug/kg	
74-87-3	Methyl chloride	ND	4.8	ug/kg	
75-09-2	Methylene chloride	ND	9.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	9.7	ug/kg	
100-42-5	Styrene	ND	4.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	ug/kg	
108-88-3	Toluene	ND	4.8	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	ug/kg	
1330-20-7	Xylene (total)	ND	14	ug/kg	

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB20-15		
Lab Sample ID:	F6517-1	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		71-122%
2037-26-5	Toluene-D8	104%		73-128%
460-00-4	4-Bromofluorobenzene	100%		53-158%
17060-07-0	1,2-Dichloroethane-D4	113%		71-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB20-15		
Lab Sample ID:	F6517-1	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	EPA 8310	**Percent Solids:**	85.7
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001486.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	390	ug/kg	
208-96-8	Acenaphthylene	ND	780	ug/kg	
120-12-7	Anthracene	ND	390	ug/kg	
56-55-3	Benzo(a)anthracene	ND	78	ug/kg	
50-32-8	Benzo(a)pyrene	ND	78	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	78	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	78	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	78	ug/kg	
218-01-9	Chrysene	ND	78	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	78	ug/kg	
206-44-0	Fluoranthene	ND	390	ug/kg	
86-73-7	Fluorene	ND	390	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	78	ug/kg	
91-20-3	Naphthalene	ND	390	ug/kg	
90-12-0	1-Methylnaphthalene	ND	390	ug/kg	
91-57-6	2-Methylnaphthalene	ND	390	ug/kg	
85-01-8	Phenanthrene	ND	390	ug/kg	
129-00-0	Pyrene	ND	390	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		35-135%
92-94-4	p-Terphenyl	95%		50-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB20-15		
Lab Sample ID:	F6517-1	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	FLORIDA-PRO	**Percent Solids:**	85.7
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08371.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	9.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB10-14		
Lab Sample ID:	F6517-2	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	86.1
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007536.D	1	05/19/00	CJP	n/a	n/a	VH81
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [a]	ND	100	ug/kg	
71-43-2	Benzene	ND	4.8	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	ug/kg	
75-25-2	Bromoform	ND	4.8	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	ug/kg	
75-00-3	Chloroethane	ND	4.8	ug/kg	
67-66-3	Chloroform	ND	4.8	ug/kg	
75-15-0	Carbon disulfide	ND	9.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	ug/kg	
124-48-1	Dibromochloromethane	ND	4.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	9.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	ug/kg	
100-41-4	Ethylbenzene	8.0	4.8	ug/kg	
591-78-6	2-Hexanone [a]	ND	20	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	9.7	ug/kg	
74-83-9	Methyl bromide	ND	4.8	ug/kg	
74-87-3	Methyl chloride	ND	4.8	ug/kg	
75-09-2	Methylene chloride	ND	9.7	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	25	ug/kg	
100-42-5	Styrene	ND	4.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	ug/kg	
108-88-3	Toluene	ND	4.8	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	ug/kg	
1330-20-7	Xylene (total)	ND	14	ug/kg	

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB10-14		
Lab Sample ID:	F6517-2	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	86.1
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		71-122%
2037-26-5	Toluene-D8	109%		73-128%
460-00-4	4-Bromofluorobenzene	106%		53-158%
17060-07-0	1,2-Dichloroethane-D4	103%		71-122%

(a) Elevated detection limit due to coeluting non-target compounds.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB10-14		
Lab Sample ID:	F6517-2	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	EPA 8310	**Percent Solids:**	86.1
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001487.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	390	ug/kg	
208-96-8	Acenaphthylene	ND	770	ug/kg	
120-12-7	Anthracene	ND	390	ug/kg	
56-55-3	Benzo(a)anthracene	ND	77	ug/kg	
50-32-8	Benzo(a)pyrene	ND	77	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	77	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	77	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	77	ug/kg	
218-01-9	Chrysene	ND	77	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	77	ug/kg	
206-44-0	Fluoranthene	ND	390	ug/kg	
86-73-7	Fluorene	ND	390	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	77	ug/kg	
91-20-3	Naphthalene	ND	390	ug/kg	
90-12-0	1-Methylnaphthalene	ND	390	ug/kg	
91-57-6	2-Methylnaphthalene	ND	390	ug/kg	
85-01-8	Phenanthrene	ND	390	ug/kg	
129-00-0	Pyrene	ND	390	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		35-135%
92-94-4	p-Terphenyl	88%		50-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB10-14		
Lab Sample ID:	F6517-2	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	FLORIDA-PRO	**Percent Solids:**	86.1
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08372.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	13.3	9.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB11-13		
Lab Sample ID:	F6517-3	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	85.4
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H007537.D	50	05/19/00	CJP	n/a	n/a	VH81
Run #2							

VOA TCL List

No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	2400	ug/kg	
71-43-2	Benzene	ND	240	ug/kg	
75-27-4	Bromodichloromethane	ND	240	ug/kg	
75-25-2	Bromoform	ND	240	ug/kg	
108-90-7	Chlorobenzene	ND	240	ug/kg	
75-00-3	Chloroethane	ND	240	ug/kg	
67-66-3	Chloroform	ND	240	ug/kg	
75-15-0	Carbon disulfide	ND	470	ug/kg	
56-23-5	Carbon tetrachloride	ND	240	ug/kg	
75-34-3	1,1-Dichloroethane	ND	240	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	240	ug/kg	
107-06-2	1,2-Dichloroethane	ND	240	ug/kg	
78-87-5	1,2-Dichloropropane [a]	ND	400	ug/kg	
124-48-1	Dibromochloromethane	ND	240	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	240	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	470	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	240	ug/kg	
100-41-4	Ethylbenzene	4440	240	ug/kg	
591-78-6	2-Hexanone [a]	ND	1500	ug/kg	
108-10-1	4-Methyl-2-pentanone [a]	ND	8000	ug/kg	
74-83-9	Methyl bromide	ND	240	ug/kg	
74-87-3	Methyl chloride	ND	240	ug/kg	
75-09-2	Methylene chloride	ND	470	ug/kg	
78-93-3	Methyl ethyl ketone	ND	470	ug/kg	
100-42-5	Styrene	ND	240	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	240	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	240	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	240	ug/kg	
127-18-4	Tetrachloroethylene	ND	240	ug/kg	
108-88-3	Toluene	ND	240	ug/kg	
79-01-6	Trichloroethylene	ND	240	ug/kg	
75-01-4	Vinyl chloride	ND	240	ug/kg	
1330-20-7	Xylene (total)	1020	710	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB11-13		
Lab Sample ID:	F6517-3	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	SW846 8260B	**Percent Solids:**	85.4
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		71-122%
2037-26-5	Toluene-D8	119%		73-128%
460-00-4	4-Bromofluorobenzene	135%		53-158%
17060-07-0	1,2-Dichloroethane-D4	95%		71-122%

(a) Elevated detection limit due to coeluting non-target compounds.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB11-13		
Lab Sample ID:	F6517-3	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	EPA 8310	**Percent Solids:**	85.4
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA001488.D	1	05/25/00	CCJ	05/23/00	OP1590	GAA64
Run #2							

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	390	ug/kg	
208-96-8	Acenaphthylene	ND	780	ug/kg	
120-12-7	Anthracene	ND	390	ug/kg	
56-55-3	Benzo(a)anthracene	ND	78	ug/kg	
50-32-8	Benzo(a)pyrene	ND	78	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	78	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	78	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	78	ug/kg	
218-01-9	Chrysene	ND	78	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	78	ug/kg	
206-44-0	Fluoranthene	ND	390	ug/kg	
86-73-7	Fluorene	ND	390	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	78	ug/kg	
91-20-3	Naphthalene	ND	390	ug/kg	
90-12-0	1-Methylnaphthalene	ND	390	ug/kg	
91-57-6	2-Methylnaphthalene	ND	390	ug/kg	
85-01-8	Phenanthrene	ND	390	ug/kg	
129-00-0	Pyrene	ND	390	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		35-135%
92-94-4	p-Terphenyl	90%		50-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ACCUTEST.

Report of Analysis

Client Sample ID:	PLJ-SS-SB11-13		
Lab Sample ID:	F6517-3	**Date Sampled:**	05/11/00
Matrix:	SO - Soil	**Date Received:**	05/12/00
Method:	FLORIDA-PRO	**Percent Solids:**	85.4
Project:	NAS Whiting Field PO#NOO52-MSA0200-014		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP08373.D	1	05/25/00	ME	05/24/00	OP1594	GOP381
Run #2							

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	17.0	9.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

ATTACHMENT J

PRODUCT LINE JUNCTION
FIELD DATA

FLORIDA

DEP Form # 62-770.900(3)
Form Title: Petroleum or Petroleum Products Water Sampling Log
Effective Date:

Petroleum or Petroleum Products
Water Sampling Log

FDEP FACILITY NO.:	WELL NO.: MW01	SAMPLE ID: WHF-GW-MW01	DATE: 2/10/98
SITE NAME: (NAS) Whiting Field	SITE LOCATION: Pipeline Junction		

PURGE DATA

WELL DIAMETER (in):	TOTAL WELL DEPTH (ft):	DEPTH TO WATER (ft):	WELL CAPACITY (gal/ft):
2"	106	84.41	0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) x WELL CAPACITY =

= (106 – 84.41) x 0.16 = 3.45

PURGE METHOD:	PURGING INITIATED AT:	PURGING ENDED AT:
Submersible Pump	1208	1219

PURGE RATE (gpm):	TOTAL VOLUME PURGED (gal):
0.69	18.35

WELL VOLS. PURGED	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (µmhos)	COLOR	ODOR	APPEARANCE	OTHER
1	3.45	6.33	23.3	0.151	Light Brown	Slight Fuel like odor		
2	6.9	6.28	22.4	0.124	" "	" "		
3	10.35	6.12	22.4	0.111	" "	" "		
4	13.80	6.03	22.2	0.106	" "	" "		
5	17.25	5.97	22.2	0.099	" "	" "		

SAMPLING DATA

SAMPLED BY / AFFILIATION	SAMPLER(S) SIGNATURE(S)
JASON McCann / Brown & Root Env.	Jason J. McCann

SAMPLING METHOD(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Bailer	1300	1330

FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y N	DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATIONS			SAMPLE PRESERVATION			
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
1	CG	40mL	HCl	40 ml	5.97	601/602
2	CG	40ml	None	40 ml	" "	EDB
3	AG	Liter	HCl	Liter	" "	FL-PRO
4	AG	Liter	None	Liter	" "	610
5	HDP	250ml	HNO_3	250 ml	" "	Lead

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

FLORIDA

DEP Form # 62-770.900(2)
Form Title: Petroleum or Petroleum Products Water Sampling Log
Effective Date:

Petroleum or Petroleum Products
Water Sampling Log

FDEP FACILITY NO.:	WELL NO.: MW02	SAMPLE ID: WHF-GW-MW02	DATE: 2/10/98
SITE NAME: (NAS) Whiting Field	SITE LOCATION: Pipeline Junction		

PURGE DATA

WELL DIAMETER (in):	TOTAL WELL DEPTH (ft):	DEPTH TO WATER (ft):	WELL CAPACITY (gal/ft):
2"	100	84.31	0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH − DEPTH TO WATER) x WELL CAPACITY =

= (100 − 84.31) x 0.16 = 2.51

PURGE METHOD:

PURGING INITIATED AT: 1000

PURGING ENDED AT: 1009

PURGE RATE (gpm): 0.08

TOTAL VOLUME PURGED (gal): 13.34

WELL VOLS. PURGED	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (µmhos)	COLOR	ODOR	APPEARANCE	OTHER
1	2.51	7.98	20.9	0.532	Light Brown	Slight Fuel like odor		
2	5.02	9.03	21.4	0.381	" "	" "		
3	7.53	8.92	21.5	0.354	" "	" "		
4	10.04	7.70	21.2	0.291	" "	" "		
5	12.55	7.18	21.8	0.275	" "	" "		

SAMPLING DATA

SAMPLED BY / AFFILIATION: JASON McCann / Brown & Root Env.	SAMPLER(S) SIGNATURE(S): Jason J. McCann		
SAMPLING METHOD(S): Bailer	SAMPLING INITIATED AT: 0930	SAMPLING ENDED AT: 0950	

FIELD DECONTAMINATION: (Y) N | FIELD-FILTERED: Y N | DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATIONS			SAMPLE PRESERVATION			
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
1	CG	40 ml	HCl	40 ml	7.18	601/602
2	CG	40 ml	None	40 ml	" "	EDB
3	AG	Liter	HCl	Liter	" "	EL-PRO
4	AG	Liter	None	Liter	" "	GID
5	HDP	250 ml	HNO_3	250 ml	" "	Lead

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

MONITORING WELL DEVELOPMENT RECORD

Well: MW-01
Site: NAS Whiting Field/Pipeline Junction
Date Installed: 2/5/98
Date Developed: 2/9/98
Dev. Method: Air Lift
Pump Type: Timco Isonega System

Depth to Bottom (ft): 106
Static Water Level Before(ft): 84.50
Static Water Level After (ft): 84.39
Screen Length (ft): 15
Specific Capacity: 0.16 gal./Ft.
Casing ID (in): 2

Site Geologist: Jason McCann
Drilling Co.: Gulf Atlantic Drilling
Project: NAS Whiting Field CTO 0037
Project Number: 7648
Sheet No. 1 of 1

Time	Estimated Sediment Thickness (ft)	Cumulative Water Volume or Pumping Rate (gallons/gpm)	Water Level Reading (ft. below TOC)	Temperature (units °C)	pH	Specific Conductance (microsiemens/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1045		3.66	84.50	17.7	7.90	0.316	~10	Brown / Slight organic odor
1120		7.31		19.5	6.95	0.241	999	" "
1155		10.97		22.4	6.72	0.202	999	Light Brown / No odor
1235		14.62		23.3	6.46	0.177	999	" "
1310		18.28	84.39	23.7	6.57	0.173	999	" "

MONITORING WELL DEVELOPMENT RECORD

Well: MW-02
Site: NAS Whiting Field / Pipeline Junction
Date Installed: 2/7/98
Date Developed: 2/8/98
Dev. Method: Air Lift
Pump Type: Timco Isomega System

Depth to Bottom (ft): 100
Static Water Level Before(ft): 84.35
Static Water Level After (ft): 84.30
Screen Length (ft): 15
Specific Capacity: 0.16 gal./ft.
Casing ID (in): 2

Site Geologist: Jason McCann
Drilling Co.: Gulf Atlantic Drilling
Project: NAS Whiting Field CTO 0037
Project Number: 7648
Sheet No. 1 of 1

Time	Estimated Sediment Thickness (ft)	Cumulative Water Volume or Pumping Rate (gallons/gpm)	Water Level Reading (ft. below TOC)	Temperature (units °C)	pH	Specific Conductance (microsiemens/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1152		2.66	84.35	19.0	7.12	0.593	-10	Brown / Slight organic odor
1210		5.32		19.7	7.04	0.569	90	" "
1435		7.98		20.5	5.81	0.450	999	Light Brown / Slight organic
1500		10.64		21.1	8.56	0.389	-10	" "
1525		13.30		17.4	8.82	0.381	999	" "
1547		15.96		16.3	9.12	0.381	999	" "
1605		18.62		16.2	9.03	0.371	999	" "
1623		21.28		15.0	8.95	0.356	753	" "
1640		23.95	84.30	18.4	8.79	0.349	230	" "

ATTACHMENT K

PRODUCT LINE JUNCTION
GROUNDWATER SAMPLE LABORATORY DATA

Quanterra Incorporated
5910 Breckenridge Parkway, Suite H
Tampa, Florida 33610

813 621-0784 Telephone
813 623-6021 Fax

Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. 7648

(NAS) Whiting Field

Lot #: B8B110133

Paul Calligan

QUANTERRA INCORPORATED

Certification Numbers: E84059,HRS84297
FDEP CompQAP: 870270G

Nancy Robertson

Nancy Robertson
Project Manager

February 19, 1998

		MDL	Reporting Limit	
FL-DEP FL-PRO				
Total Petroleum Hydrocarbons	Q743	3.5 mg/kg	10.0 mg/kg	
SW846 6010A				
Arsenic	7440-38-2	0.013 mg/L	5.0 mg/L	TCLP(1311) -> METALS, TO
Barium	7440-39-3	0.001 mg/L	100.0 mg/L	TCLP(1311) -> METALS, TO
Cadmium	7440-43-9	0.0029 mg/L	1.0 mg/L	TCLP(1311) -> METALS, TO
Chromium, Total	7440-47-3	0.002 mg/L	5.0 mg/L	TCLP(1311) -> METALS, TO
Copper	7440-50-8	1.0 mg/L	1.0 mg/L	TCLP(1311) -> METALS, TO
Lead	7439-92-1	0.014 mg/L	5.0 mg/L	TCLP(1311) -> METALS, TO
Nickel	7440-02-0	2.0 mg/L	2.0 mg/L	TCLP(1311) -> METALS, TO
Selenium	7782-49-2	0.069 mg/L	1.0 mg/L	TCLP(1311) -> METALS, TO
Silver	7440-22-4	0.0038 mg/L	5.0 mg/L	TCLP(1311) -> METALS, TO
Zinc	7440-66-6	1.0 mg/L	1.0 mg/L	TCLP(1311) -> METALS, TO
Arsenic	7440-38-2	0.0029 mg/L	1.0 mg/L	Trace ICP
Copper	7440-50-8	0.0025 mg/L	1.0 mg/L	SPLP-W(1312) -> METALS, T
Zinc	7440-66-6	0.012 mg/L	2.0 mg/L	SPLP-W(1312) -> METALS, T
Aluminum	7429-90-5	1.3 mg/kg	10.0 mg/kg	
Antimony	7440-36-0	0.097 mg/kg	0.5 mg/kg	Trace ICP
Antimony	7440-36-0	0.65 mg/kg	6.0 mg/kg	
Arsenic	7440-38-2	0.12 mg/kg	0.25 mg/kg	Trace ICP
Arsenic	7440-38-2	0.55 mg/kg	25.0 mg/kg	
Barium	7440-39-3	0.048 mg/kg	5.0 mg/kg	
Beryllium	7440-41-7	0.05 mg/kg	0.5 mg/kg	
Cadmium	7440-43-9	0.05 mg/kg	0.5 mg/kg	
Calcium	7440-70-2	2.9 mg/kg	100.0 mg/kg	
Chromium, Total	7440-47-3	0.085 mg/kg	1.0 mg/kg	
Cobalt	7440-48-4	0.52 mg/kg	2.5 mg/kg	
Copper	7440-50-8	0.37 mg/kg	2.5 mg/kg	
Iron	7439-89-6	1.1 mg/kg	5.0 mg/kg	
Lead	7439-92-1	0.079 mg/kg	0.25 mg/kg	Trace ICP
Lead	7439-92-1	0.4 mg/kg	2.5 mg/kg	
Magnesium	7439-95-4	1.1 mg/kg	100.0 mg/kg	
Manganese	7439-96-5	0.068 mg/kg	1.0 mg/kg	
Molybdenum	7439-98-7	0.1 mg/kg	5.0 mg/kg	
Nickel	7440-02-0	0.4 mg/kg	2.5 mg/kg	
Potassium	7440-09-7	13.0 mg/kg	100.0 mg/kg	
Selenium	7782-49-2	0.16 mg/kg	0.25 mg/kg	Trace ICP
Selenium	7782-49-2	2.4 mg/kg	25.0 mg/kg	
Silver	7440-22-4	0.14 mg/kg	1.0 mg/kg	
Sodium	7440-23-5	1.1 mg/kg	100.0 mg/kg	
Strontium	7440-24-6	0.1 mg/kg	5.0 mg/kg	
Thallium	7440-28-0	1.3 mg/kg	5.0 mg/kg	
Thallium	7440-28-0	0.21 mg/kg	0.5 mg/kg	Trace ICP
Tin	7440-31-5	0.57 mg/kg	5.0 mg/kg	
Titanium	7440-32-6	0.093 mg/kg	5.0 mg/kg	
Vanadium	7440-62-2	0.099 mg/kg	2.5 mg/kg	
Zinc	7440-66-6	1.4 mg/kg	2.0 mg/kg	
SW846 7471A				
Mercury	7439-97-6	0.0058 mg/kg	0.1 mg/kg	
SW846 8010B				
Benzyl chloride	100-44-7	1.2 ug/kg	5.0 ug/kg	
Bromobenzene	108-86-1	1.1 ug/kg	2.0 ug/kg	

MDLs are subject to change after annual MDL studies. If the current reporting limit is not supported by the MDL (e.g., RL < MDL), the reporting limit will be changed accordingly.

		MDL	Reporting Limit	
Bromodichloromethane	75-27-4	1.0 ug/kg	2.0 ug/kg	
Bromoform	75-25-2	0.65 ug/kg	2.0 ug/kg	
Bromomethane	74-83-9	0.73 ug/kg	2.0 ug/kg	
Carbon tetrachloride	56-23-5	0.68 ug/kg	2.0 ug/kg	
Chlorobenzene	108-90-7	0.67 ug/kg	2.0 ug/kg	
Chloroethane	75-00-3	0.68 ug/kg	2.0 ug/kg	
2-Chloroethyl vinyl ether	110-75-8	0.77 ug/kg	5.0 ug/kg	
Chloroform	67-66-3	0.95 ug/kg	2.0 ug/kg	
Chloromethane	74-87-3	0.91 ug/kg	2.0 ug/kg	
Chlorodibromomethane	124-48-1	0.82 ug/kg	2.0 ug/kg	
Dibromomethane	74-95-3	0.71 ug/kg	2.0 ug/kg	
1,2-Dichlorobenzene	95-50-1	1.0 ug/kg	2.0 ug/kg	
1,3-Dichlorobenzene	541-73-1	1.0 ug/kg	2.0 ug/kg	
1,4-Dichlorobenzene	106-46-7	1.1 ug/kg	2.0 ug/kg	
Dichlorodifluoromethane	75-71-8	0.66 ug/kg	2.0 ug/kg	
1,1-Dichloroethane	75-34-3	0.74 ug/kg	2.0 ug/kg	
1,2-Dichloroethane	107-06-2	0.85 ug/kg	2.0 ug/kg	
1,1-Dichloroethene	75-35-4	0.71 ug/kg	2.0 ug/kg	
cis-1,2-Dichloroethene	156-59-2	0.9 ug/kg	2.0 ug/kg	
trans-1,2-Dichloroethene	156-60-5	0.67 ug/kg	2.0 ug/kg	
Methylene Chloride	75-09-2	0.83 ug/kg	5.0 ug/kg	
1,2-Dichloropropane	78-87-5	0.9 ug/kg	2.0 ug/kg	
cis-1,3-Dichloropropene	10061-01-5	0.8 ug/kg	2.0 ug/kg	
trans-1,3-Dichloropropene	10061-02-6	0.74 ug/kg	2.0 ug/kg	
Methylene chloride	75-09-2	0.83 ug/kg	5.0 ug/kg	
1,1,1,2-Tetrachloroethane	630-20-6	0.47 ug/kg	2.0 ug/kg	
1,1,2,2-Tetrachloroethane	79-34-5	0.73 ug/kg	2.0 ug/kg	
Tetrachloroethene	127-18-4	0.75 ug/kg	2.0 ug/kg	
1,1,1-Trichloroethane	71-55-6	0.87 ug/kg	2.0 ug/kg	
1,1,2-Trichloroethane	79-00-5	0.83 ug/kg	2.0 ug/kg	
Trichloroethene	79-01-6	0.76 ug/kg	2.0 ug/kg	
Fluorotrichloromethane	75-69-4	0.62 ug/kg	2.0 ug/kg	
1,2,3-Trichloropropane	96-18-4	0.69 ug/kg	2.0 ug/kg	
Vinyl chloride	75-01-4	0.61 ug/kg	2.0 ug/kg	
SW846 8020A				
Benzene	71-43-2	0.58 ug/kg	2.0 ug/kg	
Chlorobenzene	108-90-7	0.89 ug/kg	2.0 ug/kg	
1,2-Dichlorobenzene	95-50-1	1.0 ug/kg	2.0 ug/kg	
1,3-Dichlorobenzene	541-73-1	0.92 ug/kg	2.0 ug/kg	
1,4-Dichlorobenzene	106-46-7	0.95 ug/kg	2.0 ug/kg	
Ethylbenzene	100-41-4	0.45 ug/kg	2.0 ug/kg	
Methyl tert-butyl ether	1634-04-4	1.1 ug/kg	2.0 ug/kg	
Naphthalene	91-20-3	2.1 ug/kg	5.0 ug/kg	
Toluene	108-88-3	0.43 ug/kg	2.0 ug/kg	
m-Xylene & p-Xylene	136777-61-2	0.87 ug/kg	2.0 ug/kg	
o-Xylene	95-47-6	0.47 ug/kg	2.0 ug/kg	
Xylenes, Total	1330-20-7	0.47 ug/kg	2.0 ug/kg	
SW846 8310				
Acenaphthene	83-32-9	0.32 ug/L	1.0 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Acenaphthylene	208-96-8	0.38 ug/L	1.0 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Anthracene	120-12-7	0.21 ug/L	1.0 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Benzo[a]anthracene	56-55-3	0.035 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C

MDLs are subject to change after annual MDL studies. If the current reporting limit is not supported by the MDL (e.g., RL < MDL), the reporting limit will be changed accordingly.

		MDL	Reporting Limit	
Benzo[b]fluoranthene	205-99-2	0.079 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Benzo[k]fluoranthene	207-08-9	0.043 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Benzo[g,h,i]perylene	191-24-2	0.1 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Benzo[a]pyrene	50-32-8	0.04 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Chrysene	218-01-9	0.034 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Dibenz(a,h)anthracene	53-70-3	0.11 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Fluoranthene	206-44-0	0.053 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Fluorene	86-73-7	0.82 ug/L	2.0 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Indeno[1,2,3-cd]pyrene	193-39-5	0.014 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
2-Methylnaphthalene	91-57-6	0.39 ug/L	1.0 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
1-Methylnaphthalene	90-12-0	0.38 ug/L	1.0 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Naphthalene	91-20-3	0.41 ug/L	1.0 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Phenanthrene	85-01-8	0.27 ug/L	1.0 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Pyrene	129-00-0	0.068 ug/L	0.2 ug/L	SPLP-W(1312) -> LIQ/LIQ, C
Acenaphthene	83-32-9	13.0 ug/kg	50.0 ug/kg	
Acenaphthylene	208-96-8	17.0 ug/kg	50.0 ug/kg	
Anthracene	120-12-7	11.0 ug/kg	50.0 ug/kg	
Benzo[a]anthracene	56-55-3	1.3 ug/kg	5.0 ug/kg	
Benzo[a]anthracene	56-55-3	1.3 ug/kg	5.0 ug/kg	
Benzo[b]fluoranthene	205-99-2	1.7 ug/kg	5.0 ug/kg	
Benzo[k]fluoranthene	207-08-9	1.1 ug/kg	5.0 ug/kg	
Benzo[g,h,i]perylene	191-24-2	1.9 ug/kg	5.0 ug/kg	
Benzo[a]pyrene	50-32-8	1.3 ug/kg	5.0 ug/kg	
Chrysene	218-01-9	1.0 ug/kg	5.0 ug/kg	
Dibenz(a,h)anthracene	53-70-3	3.1 ug/kg	5.0 ug/kg	
Fluoranthene	206-44-0	2.9 ug/kg	5.0 ug/kg	
Fluorene	86-73-7	17.0 ug/kg	50.0 ug/kg	
Indeno[1,2,3-cd]pyrene	193-39-5	1.0 ug/kg	5.0 ug/kg	
2-Methylnaphthalene	91-57-6	1.2 ug/kg	50.0 ug/kg	
1-Methylnaphthalene	90-12-0	14.0 ug/kg	50.0 ug/kg	
Naphthalene	91-20-3	14.0 ug/kg	50.0 ug/kg	
Phenanthrene	85-01-8	12.0 ug/kg	50.0 ug/kg	
Pyrene	129-00-0	2.3 ug/kg	5.0 ug/kg	

Quanterra
Environmental Services

CASE NARRATIVE

LABORATORY ID NUMBER: B8B110133

ORGANICS -INORGANICS

The Method blank associated with batch numbers 8049184 and 8049187 for method 601 and 602 had several compounds flagged with the "J" value which indicates estimated results below the reporting limit.

The recovery and RPD for FL-Pro, associated with QC batch number 8043180 in the matrix spike/matrix spike duplicate was not calculated because the sample amount was greater than four times the spike amount. This is flagged with MSB.

Due to suspected matrix interference and or dissimilar nature of the sample aliquots, several metals in the matrix spike/matrix spike duplicate associated with QC batch numbers 8044177 and 8044182 were outside the laboratory established control limits. The Laboratory Control Sample indicated acceptable method performance for each batch.

Due to suspected matrix interference and or dissimilar nature of the sample aliquots, Methylene chloride in the matrix spike/matrix spike duplicate associated with QC batch number 8049184 was outside the laboratory established control limits. The Laboratory Control Sample indicated acceptable method performance for the batch.

Due to suspected matrix interference and or dissimilar nature of the sample aliquots, EDB and TPH in the matrix spike duplicate associated with QC batch numbers 8043146 and 8043188 were outside the laboratory established control limits. The Laboratory Control Sample indicated acceptable method performance for each batch.

Due to suspected matrix interference and or dissimilar nature of the sample aliquots, several compounds in the matrix spike/matrix spike duplicate associated with QC batch number 8043186 was outside the laboratory established control limits. The Laboratory Control Sample indicated acceptable method performance for the batch.

		MDL	Reporting Limit
CFR136A 601			
Bromodichloromethane	75-27-4	0.2 ug/L	1.0 ug/L
Bromoform	75-25-2	0.081 ug/L	1.0 ug/L
Bromomethane	74-83-9	0.16 ug/L	1.0 ug/L
Carbon tetrachloride	56-23-5	0.24 ug/L	1.0 ug/L
Chlorobenzene	108-90-7	0.24 ug/L	1.0 ug/L
Chloroethane	75-00-3	0.3 ug/L	1.0 ug/L
2-Chloroethyl vinyl ether	110-75-8	0.088 ug/L	5.0 ug/L
Chloroform	67-66-3	0.26 ug/L	1.0 ug/L
Chloromethane	74-87-3	0.16 ug/L	1.0 ug/L
Chlorodibromomethane	124-48-1	0.15 ug/L	1.0 ug/L
1,2-Dichlorobenzene	95-50-1	0.16 ug/L	1.0 ug/L
1,3-Dichlorobenzene	541-73-1	0.17 ug/L	1.0 ug/L
1,4-Dichlorobenzene	106-46-7	0.19 ug/L	1.0 ug/L
Dichlorodifluoromethane	75-71-8	0.25 ug/L	1.0 ug/L
1,1-Dichloroethane	75-34-3	0.26 ug/L	1.0 ug/L
1,2-Dichloroethane	107-06-2	0.17 ug/L	1.0 ug/L
1,1-Dichloroethene	75-35-4	0.24 ug/L	1.0 ug/L
cis-1,2-Dichloroethene	156-59-2	0.15 ug/L	1.0 ug/L
trans-1,2-Dichloroethene	156-60-5	0.22 ug/L	1.0 ug/L
1,2-Dichloropropane	78-87-5	0.22 ug/L	1.0 ug/L
cis-1,3-Dichloropropene	10061-01-5	0.24 ug/L	1.0 ug/L
trans-1,3-Dichloropropene	10061-02-6	0.14 ug/L	1.0 ug/L
Fluorotrichloromethane	75-69-4	0.24 ug/L	1.0 ug/L
Methylene chloride	75-09-2	0.27 ug/L	2.0 ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.13 ug/L	1.0 ug/L
Tetrachloroethene	127-18-4	0.24 ug/L	1.0 ug/L
1,1,1-Trichloroethane	71-55-6	0.24 ug/L	1.0 ug/L
1,1,2-Trichloroethane	79-00-5	0.18 ug/L	1.0 ug/L
Trichloroethene	79-01-6	0.24 ug/L	1.0 ug/L
Fluorotrichloromethane	75-69-4	0.24 ug/L	1.0 ug/L
Vinyl chloride	75-01-4	0.22 ug/L	1.0 ug/L
CFR136A 602			
Benzene	71-43-2	0.17 ug/L	1.0 ug/L
Chlorobenzene	108-90-7	0.21 ug/L	1.0 ug/L
1,2-Dichlorobenzene	95-50-1	0.16 ug/L	1.0 ug/L
1,3-Dichlorobenzene	541-73-1	0.16 ug/L	1.0 ug/L
1,4-Dichlorobenzene	106-46-7	0.18 ug/L	1.0 ug/L
Ethylbenzene	100-41-4	0.17 ug/L	1.0 ug/L
Isopropyl ether	108-20-3	0.15 ug/L	1.0 ug/L
Methyl tert-butyl ether	1634-04-4	0.47 ug/L	1.0 ug/L
Naphthalene	91-20-3	0.94 ug/L	2.0 ug/L
Toluene	108-88-3	0.14 ug/L	1.0 ug/L
Xylenes, Total	1330-20-7	0.43 ug/L	1.0 ug/L
CFR136A 610			
Acenaphthene	83-32-9	0.3245 ug/L	1.0 ug/L
Acenaphthylene	208-96-8	0.377 ug/L	1.0 ug/L
Anthracene	120-12-7	0.2137 ug/L	1.0 ug/L
Benzo[a]anthracene	56-55-3	0.0345 ug/L	0.1 ug/L
Benzo[b]fluoranthene	205-99-2	0.0792 ug/L	0.1 ug/L
Benzo[k]fluoranthene	207-08-9	0.0428 ug/L	0.15 ug/L
Benzo[g,h,i]perylene	191-24-2	0.1032 ug/L	0.2 ug/L

MDLs are subject to change after annual MDL studies. If the current reporting limit is not supported by the MDL (e.g., RL < MDL), the reporting limit will be changed accordingly.

		MDL	Reporting Limit
Benzo[a]pyrene	50-32-8	0.0398 ug/L	0.1 ug/L
Chrysene	218-01-9	0.0337 ug/L	0.1 ug/L
Dibenz(a,h)anthracene	53-70-3	0.1124 ug/L	0.2 ug/L
Dibenz(a,h)anthracene	53-70-3	0.1124 ug/L	0.2 ug/L
Fluoranthene	206-44-0	0.053 ug/L	0.2 ug/L
Fluorene	86-73-7	0.8233 ug/L	2.0 ug/L
Indeno[1,2,3-cd]pyrene	193-39-5	0.0136 ug/L	0.2 ug/L
2-Methylnaphthalene	91-57-6	0.3887 ug/L	1.0 ug/L
1-Methylnaphthalene	90-12-0	0.3771 ug/L	1.0 ug/L
Naphthalene	91-20-3	0.4132 ug/L	1.0 ug/L
Phenanthrene	85-01-8	0.2739 ug/L	1.0 ug/L
Pyrene	129-00-0	0.0675 ug/L	0.2 ug/L
EPA-DW 504.1			
3-Chloro-1,2-dibromopropane	96-12-8	0.0043 ug/L	0.2 ug/L
1,2-Dibromoethane	106-93-4	0.006 ug/L	0.02 ug/L
1,2-Dibromoethane	106-93-4	0.0035 ug/L	0.02 ug/L
3-Chloro-1,2-dibromopropane	96-12-8	0.0043 ug/L	0.2 ug/L
FL-DEP FL-PRO			
Total Petroleum Hydrocarbons	Q743	0.1 mg/L	0.5 mg/L
MCAWW 239.2			
Lead	7439-92-1	0.002 mg/L	0.003 mg/L

MDLs are subject to change after annual MDL studies. If the current reporting limit is not supported by the MDL (e.g., RL < MDL), the reporting limit will be changed accordingly.

Quanterra Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B8B110133

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PREBURN 02/10/98 15:00 001				
TPH (C8-C40)	480	11	mg/kg	FL-DEP FL-PRO
Methyl tert-butyl ether	0.11 J	0.27	mg/kg	SW846 8020A
Ethylbenzene	1.6	0.27	mg/kg	SW846 8020A
Xylenes (total)	3.6	0.27	mg/kg	SW846 8020A
Benzo(a)anthracene	4.4 J	5.5	ug/kg	SW846 8310
Benzo(ghi)perylene	8.1	5.5	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	2.0 J	5.5	ug/kg	SW846 8310
1-Methylnaphthalene	170	55	ug/kg	SW846 8310
2-Methylnaphthalene	270	55	ug/kg	SW846 8310
Naphthalene	60	55	ug/kg	SW846 8310
Barium	3.8 B	5.5	mg/kg	SW846 6010A
Chromium	5.7	1.1	mg/kg	SW846 6010A
Silver	0.36 B	0.80	mg/kg	SW846 6010A
Arsenic	1.2	0.27	mg/kg	SW846 6010A
Lead	4.2	0.27	mg/kg	SW846 6010A
Selenium	0.29	0.27	mg/kg	SW846 6010A
Mercury	0.021 B	0.11	mg/kg	SW846 7471A
Percent Solids	90.9	1.0	%	MCAWW 160.3 MOD
WHF-GW-MW01 02/10/98 13:00 002				
1,2-Dibromoethane (EDB)	0.020	0.020	ug/L	EPA-DW 504.1
TPH (C8-C40)	4.7	0.50	mg/L	FL-DEP FL-PRO
Bromomethane	14 J	25	ug/L	CFR136A 601
Chloromethane	4.6 J	25	ug/L	CFR136A 601
1,3-Dichlorobenzene	9.0 J	25	ug/L	CFR136A 601
Dichlorodifluoromethane	11 J	25	ug/L	CFR136A 601
Methylene chloride	7.6 J	50	ug/L	CFR136A 601
Benzene	990	25	ug/L	CFR136A 602
1,3-Dichlorobenzene	7.2 J	25	ug/L	CFR136A 602
1,4-Dichlorobenzene	60	25	ug/L	CFR136A 602
Ethylbenzene	280	25	ug/L	CFR136A 602
Toluene	1700	25	ug/L	CFR136A 602
Xylenes (total)	1800	25	ug/L	CFR136A 602
Fluoranthene	2.1	0.80	ug/L	CFR136A 610
1-Methylnaphthalene	6.7	4.0	ug/L	CFR136A 610
2-Methylnaphthalene	21	4.0	ug/L	CFR136A 610
Naphthalene	33	4.0	ug/L	CFR136A 610
Phenanthrene	2.8 J	4.0	ug/L	CFR136A 610
Pyrene	0.91	0.80	ug/L	CFR136A 610
Lead	2.5 B	3.0	ug/L	MCAWW 239.2

(Continued on next page)

Quanterra Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B8B110133

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WHF-GW-MW02 02/10/98 09:30 003				
1,2-Dibromoethane (EDB)	0.19	0.020	ug/L	EPA-DW 504.1
TPH (C8-C40)	4.6	0.50	mg/L	FL-DEP FL-PRO
1,3-Dichlorobenzene	3.3 J	10	ug/L	CFR136A 601
Benzene	440	10	ug/L	CFR136A 602
1,3-Dichlorobenzene	3.5 J	10	ug/L	CFR136A 602
1,4-Dichlorobenzene	41	10	ug/L	CFR136A 602
Ethylbenzene	230	10	ug/L	CFR136A 602
Toluene	990	10	ug/L	CFR136A 602
Xylenes (total)	1300	10	ug/L	CFR136A 602
1-Methylnaphthalene	19	1.0	ug/L	CFR136A 610
2-Methylnaphthalene	15	1.0	ug/L	CFR136A 610
Naphthalene	35	1.0	ug/L	CFR136A 610
Lead	15.1	3.0	ug/L	MCAWW 239.2
WHF-GW-MW02B 02/10/98 10:15 004				
1,3-Dichlorobenzene	0.45 J	1.0	ug/L	CFR136A 601
Methylene chloride	0.51 J	2.0	ug/L	CFR136A 601
Toluene	0.59 J	1.0	ug/L	CFR136A 602

METHODS SUMMARY

Quanterra Environmental Services

B8B110133

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Aromatic Volatile Organics by GC	SW846 8020A	
EDB/DBCP/123-TCP in Water by Microextraction and G	EPA-DW 504.1	
Halogenated Volatile Organics by GC	SW846 8010B	
Inductively Coupled Plasma (ICP) Metals	SW846 6010A	SW846 3050
Lead (AA, Furnace Technique)	MCAWW 239.2	MCAWW 239.2
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Petroleum Range Organics	FL-DEP FL-PRO	
Polynuclear Aromatic Hydrocarbons	CFR136A 610	CFR136A 610
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310	SW846 3540
Purgeable Aromatics	CFR136A 602	CFR136A 602
Purgeable Halocarbons	CFR136A 601	CFR136A 601
Total Organic Halogens	SW846 9020A	SW846 9020
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010A	SW846 3050

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA-DW "Methods for the Determination of Organic Compounds in Drinking Water", EPA/600/4-88/039, December 1988 and its Supplements.

FL-DEP State of Florida Department of Environmental Protection, Florida Administrative Code.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

Quanterra
Environmental Services

SAMPLE SUMMARY

B8B110133

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CFA1E	001	PREBURN	02/10/98	15:00
CFA1J	002	WHF-GW-MW01	02/10/98	13:00
CFA1K	003	WHF-GW-MW02	02/10/98	09:30
CFA1L	004	WHF-GW-MW02B	02/10/98	10:15

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW01

GC Volatiles

Lot-Sample #...:	B8B110133-002	**Work Order #...:**	CFA1J101	**Matrix.....:**	WATER
Date Sampled...:	02/10/98	**Date Received..:**	02/11/98		
Prep Date.....:	02/17/98	**Analysis Date..:**	02/17/98		
Prep Batch #...:	8049184				
Dilution Factor:	25	**Initial Wgt/Vol:**	0.2 mL	**Final Wgt/Vol..:**	5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromodichloromethane	ND	25	ug/L	CFR136A 601
Bromoform	ND	25	ug/L	CFR136A 601
Bromomethane	**14 J**	**25**	**ug/L**	**CFR136A 601**
Carbon tetrachloride	ND	25	ug/L	CFR136A 601
Chlorobenzene	ND	25	ug/L	CFR136A 601
Chloroethane	ND	25	ug/L	CFR136A 601
2-Chloroethyl vinyl ether	ND	--	ug/L	CFR136A 601
Chloroform	ND	25	ug/L	CFR136A 601
Chloromethane	**4.6 J**	**25**	**ug/L**	**CFR136A 601**
Dibromochloromethane	ND	25	ug/L	CFR136A 601
1,2-Dichlorobenzene	ND	25	ug/L	CFR136A 601
1,3-Dichlorobenzene	**9.0 J**	**25**	**ug/L**	**CFR136A 601**
1,4-Dichlorobenzene	ND	25	ug/L	CFR136A 601
Dichlorodifluoromethane	**11 J**	**25**	**ug/L**	**CFR136A 601**
1,1-Dichloroethane	ND	25	ug/L	CFR136A 601
1,2-Dichloroethane	ND	25	ug/L	CFR136A 601
cis-1,2-Dichloroethene	ND	25	ug/L	CFR136A 601
trans-1,2-Dichloroethene	ND	25	ug/L	CFR136A 601
1,1-Dichloroethene	ND	25	ug/L	CFR136A 601
1,2-Dichloropropane	ND	25	ug/L	CFR136A 601
cis-1,3-Dichloropropene	ND	25	ug/L	CFR136A 601
trans-1,3-Dichloropropene	ND	25	ug/L	CFR136A 601
Methylene chloride	**7.6 J**	**50**	**ug/L**	**CFR136A 601**
1,1,2,2-Tetrachloroethane	ND	25	ug/L	CFR136A 601
Tetrachloroethene	ND	25	ug/L	CFR136A 601
1,1,1-Trichloroethane	ND	25	ug/L	CFR136A 601
1,1,2-Trichloroethane	ND	25	ug/L	CFR136A 601
Trichloroethene	ND	25	ug/L	CFR136A 601
Trichlorofluoromethane	ND	25	ug/L	CFR136A 601
Vinyl chloride	ND	25	ug/L	CFR136A 601

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	91	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

2-Chloroethyl vinyl ether is susceptible to degradation in acid conditions. No quantitation is available.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW01

GC Volatiles

Lot-Sample #...: B8B110133-002
Date Sampled...: 02/10/98
Prep Date.....: 02/17/98
Prep Batch #...: 8049187
Dilution Factor: 25

Work Order #...: CFA1J102
Date Received..: 02/11/98
Analysis Date..: 02/17/98

Initial Wgt/Vol: 0.2 mL

Matrix.....: WATER

Final Wgt/Vol..: 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	**990**	**25**	**ug/L**	**CFR136A 602**
Chlorobenzene	ND	25	ug/L	CFR136A 602
1,2-Dichlorobenzene	ND	25	ug/L	CFR136A 602
1,3-Dichlorobenzene	**7.2 J**	**25**	**ug/L**	**CFR136A 602**
1,4-Dichlorobenzene	**60**	**25**	**ug/L**	**CFR136A 602**
Ethylbenzene	**280**	**25**	**ug/L**	**CFR136A 602**
Toluene	**1700**	**25**	**ug/L**	**CFR136A 602**
Xylenes (total)	**1800**	**25**	**ug/L**	**CFR136A 602**
Methyl tert-butyl ether	ND	25	ug/L	CFR136A 602

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW01

GC Semivolatiles

Lot-Sample #...:	B8B110133-002	**Work Order #...:**	CFA1J105	**Matrix.....:**	WATER
Date Sampled...:	02/10/98	**Date Received..:**	02/11/98		
Prep Date.....:	02/12/98	**Analysis Date..:**	02/12/98		
Prep Batch #...:	8043146				
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol..:**	2 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane (EDB)	**0.020**	**0.020**	**ug/L**	**EPA-DW 504.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,1,2-Tetrachloroethane	108	(72 - 134)

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW01

GC Semivolatiles

Lot-Sample #...:	B8B110133-002	Work Order #...:	CFA1J104	Matrix.....:	WATER
Date Sampled...:	02/10/98	Date Received..:	02/11/98		
Prep Date.....:	02/12/98	Analysis Date..:	02/13/98		
Prep Batch #...:	8043188				
Dilution Factor:	1	Initial Wgt/Vol:	931 mL	Final Wgt/Vol..:	2 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (C8-C40)	4.7	0.50	mg/L	FL-DEP FL-PRO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	95	(33 - 162)
Nonatriacontane	52	(10 - 109)

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW01

HPLC

Lot-Sample #...:	B8B110133-002	**Work Order #...:**	CFA1J103	**Matrix.....:**	WATER
Date Sampled...:	02/10/98	**Date Received..:**	02/11/98		
Prep Date.....:	02/12/98	**Analysis Date..:**	02/18/98		
Prep Batch #...:	8043186				
Dilution Factor:	4	**Initial Wgt/Vol:**	953 mL	**Final Wgt/Vol..:**	1 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	4.0	ug/L	CFR136A 610
Acenaphthylene	ND	4.0	ug/L	CFR136A 610
Anthracene	ND	4.0	ug/L	CFR136A 610
Benzo(a)anthracene	ND	0.40	ug/L	CFR136A 610
Benzo(a)pyrene	ND	0.40	ug/L	CFR136A 610
Benzo(b)fluoranthene	ND	0.37	ug/L	CFR136A 610
Benzo(ghi)perylene	ND	0.80	ug/L	CFR136A 610
Benzo(k)fluoranthene	ND	0.60	ug/L	CFR136A 610
Chrysene	ND	0.40	ug/L	CFR136A 610
Dibenzo(a,h)anthracene	ND	0.80	ug/L	CFR136A 610
Fluoranthene	**2.1**	**0.80**	**ug/L**	**CFR136A 610**
Fluorene	ND	8.0	ug/L	CFR136A 610
Indeno(1,2,3-cd)pyrene	ND	0.37	ug/L	CFR136A 610
1-Methylnaphthalene	**6.7**	**4.0**	**ug/L**	**CFR136A 610**
2-Methylnaphthalene	**21**	**4.0**	**ug/L**	**CFR136A 610**
Naphthalene	**33**	**4.0**	**ug/L**	**CFR136A 610**
Phenanthrene	**2.8 J**	**4.0**	**ug/L**	**CFR136A 610**
Pyrene	**0.91**	**0.80**	**ug/L**	**CFR136A 610**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Carbazole	83	(30 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW01

TOTAL Metals

Lot-Sample #...: B8B110133-002
Date Sampled...: 02/10/98 Date Received..: 02/11/98 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8043197						
Lead	2.5 B	3.0	ug/L	MCAWW 239.2	02/12/98	CFA1J106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

NOTE(S):

B Estimated result. Result is less than RL.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02

GC Volatiles

Lot-Sample #...: B8B110133-003 **Work Order #...:** CFA1K101 **Matrix.....:** WATER
Date Sampled...: 02/10/98 **Date Received..:** 02/11/98
Prep Date.....: 02/17/98 **Analysis Date..:** 02/17/98
Prep Batch #...: 8049184
Dilution Factor: 10 **Initial Wgt/Vol:** 0.5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromodichloromethane	ND	10	ug/L	CFR136A 601
Bromoform	ND	10	ug/L	CFR136A 601
Bromomethane	ND	10	ug/L	CFR136A 601
Carbon tetrachloride	ND	10	ug/L	CFR136A 601
Chlorobenzene	ND	10	ug/L	CFR136A 601
Chloroethane	ND	10	ug/L	CFR136A 601
2-Chloroethyl vinyl ether	ND	--	ug/L	CFR136A 601
Chloroform	ND	10	ug/L	CFR136A 601
Chloromethane	ND	10	ug/L	CFR136A 601
Dibromochloromethane	ND	10	ug/L	CFR136A 601
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 601
1,3-Dichlorobenzene	**3.3 J**	**10**	**ug/L**	**CFR136A 601**
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 601
Dichlorodifluoromethane	ND	10	ug/L	CFR136A 601
1,1-Dichloroethane	ND	10	ug/L	CFR136A 601
1,2-Dichloroethane	ND	10	ug/L	CFR136A 601
cis-1,2-Dichloroethene	ND	10	ug/L	CFR136A 601
trans-1,2-Dichloroethene	ND	10	ug/L	CFR136A 601
1,1-Dichloroethene	ND	10	ug/L	CFR136A 601
1,2-Dichloropropane	ND	10	ug/L	CFR136A 601
cis-1,3-Dichloropropene	ND	10	ug/L	CFR136A 601
trans-1,3-Dichloropropene	ND	10	ug/L	CFR136A 601
Methylene chloride	ND	20	ug/L	CFR136A 601
1,1,2,2-Tetrachloroethane	ND	10	ug/L	CFR136A 601
Tetrachloroethene	ND	10	ug/L	CFR136A 601
1,1,1-Trichloroethane	ND	10	ug/L	CFR136A 601
1,1,2-Trichloroethane	ND	10	ug/L	CFR136A 601
Trichloroethene	ND	10	ug/L	CFR136A 601
Trichlorofluoromethane	ND	10	ug/L	CFR136A 601
Vinyl chloride	ND	10	ug/L	CFR136A 601

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	88	(70 - 130)

NOTE(S):

2-Chloroethyl vinyl ether is susceptible to degradation in acid conditions. No quantitation is available.

J Estimated result. Result is less than RL.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02

GC Volatiles

Lot-Sample #...:	B8B110133-003	**Work Order #...:**	CFA1K103	**Matrix.....:**	WATER
Date Sampled...:	02/10/98	**Date Received..:**	02/11/98		
Prep Date.....:	02/17/98	**Analysis Date..:**	02/17/98		
Prep Batch #...:	8049187				
Dilution Factor:	10	**Initial Wgt/Vol:**	0.5 mL	**Final Wgt/Vol..:**	5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	**440**	**10**	**ug/L**	**CFR136A 602**
Chlorobenzene	ND	10	ug/L	CFR136A 602
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 602
1,3-Dichlorobenzene	**3.5 J**	**10**	**ug/L**	**CFR136A 602**
1,4-Dichlorobenzene	**41**	**10**	**ug/L**	**CFR136A 602**
Ethylbenzene	**230**	**10**	**ug/L**	**CFR136A 602**
Toluene	**990**	**10**	**ug/L**	**CFR136A 602**
Xylenes (total)	**1300**	**10**	**ug/L**	**CFR136A 602**
Methyl tert-butyl ether	ND	10	ug/L	CFR136A 602

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02

GC Semivolatiles

Lot-Sample #...:	B8B110133-003	Work Order #...:	CFA1K10A	Matrix.....:	WATER
Date Sampled...:	02/10/98	Date Received..:	02/11/98		
Prep Date.....:	02/12/98	Analysis Date..:	02/12/98		
Prep Batch #...:	8043146				
Dilution Factor:	1	Initial Wgt/Vol:	35 mL	Final Wgt/Vol..:	2 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane (EDB)	0.19	0.020	ug/L	EPA-DW 504.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,1,2-Tetrachloroethane	86	(72 - 134)

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02

GC Semivolatiles

Lot-Sample #...:	B8B110133-003	**Work Order #...:**	CFA1K107	**Matrix.....:**	WATER
Date Sampled...:	02/10/98	**Date Received..:**	02/11/98		
Prep Date.....:	02/12/98	**Analysis Date..:**	02/13/98		
Prep Batch #...:	8043188				
Dilution Factor:	1	**Initial Wgt/Vol:**	923 mL	**Final Wgt/Vol..:**	2 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (C8-C40)	**4.6**	**0.50**	**mg/L**	**FL-DEP FL-PRO**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	91	(33 - 162)
Nonatriacontane	63	(10 - 109)

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02

HPLC

Lot-Sample #...: B8B110133-003 **Work Order #...:** CFA1K105 **Matrix.....:** WATER
Date Sampled...: 02/10/98 **Date Received..:** 02/11/98
Prep Date.....: 02/12/98 **Analysis Date..:** 02/17/98
Prep Batch #...: 8043186
Dilution Factor: 1 **Initial Wgt/Vol:** 934 mL **Final Wgt/Vol..:** 1 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	1.0	ug/L	CFR136A 610
Acenaphthylene	ND	1.0	ug/L	CFR136A 610
Anthracene	ND	1.0	ug/L	CFR136A 610
Benzo(a)anthracene	ND	0.10	ug/L	CFR136A 610
Benzo(a)pyrene	ND	0.10	ug/L	CFR136A 610
Benzo(b)fluoranthene	ND	0.092	ug/L	CFR136A 610
Benzo(ghi)perylene	ND	0.20	ug/L	CFR136A 610
Benzo(k)fluoranthene	ND	0.15	ug/L	CFR136A 610
Chrysene	ND	0.10	ug/L	CFR136A 610
Dibenzo(a,h)anthracene	ND	0.20	ug/L	CFR136A 610
Fluoranthene	ND	0.20	ug/L	CFR136A 610
Fluorene	ND	2.0	ug/L	CFR136A 610
Indeno(1,2,3-cd)pyrene	ND	0.092	ug/L	CFR136A 610
1-Methylnaphthalene	**19**	**1.0**	**ug/L**	**CFR136A 610**
2-Methylnaphthalene	**15**	**1.0**	**ug/L**	**CFR136A 610**
Naphthalene	**35**	**1.0**	**ug/L**	**CFR136A 610**
Phenanthrene	ND	1.0	ug/L	CFR136A 610
Pyrene	ND	0.20	ug/L	CFR136A 610

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Carbazole	41	(30 - 130)

Quanterra Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02

TOTAL Metals

Lot-Sample #...: B8B110133-003 Matrix.....: WATER
Date Sampled...: 02/10/98 Date Received..: 02/11/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8043197						
Lead	15.1	3.0	ug/L	MCAWW 239.2	02/12/98	CFA1K10E
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02B

GC Volatiles

Lot-Sample #...: B8B110133-004 Work Order #...: CFA1L101 Matrix.....: WATER
Date Sampled...: 02/10/98 Date Received..: 02/11/98
Prep Date.....: 02/17/98 Analysis Date..: 02/18/98
Prep Batch #...: 8049184
Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol..: 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromodichloromethane	ND	1.0	ug/L	CFR136A 601
Bromoform	ND	1.0	ug/L	CFR136A 601
Bromomethane	ND	1.0	ug/L	CFR136A 601
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 601
Chlorobenzene	ND	1.0	ug/L	CFR136A 601
Chloroethane	ND	1.0	ug/L	CFR136A 601
2-Chloroethyl vinyl ether	ND	--	ug/L	CFR136A 601
Chloroform	ND	1.0	ug/L	CFR136A 601
Chloromethane	ND	1.0	ug/L	CFR136A 601
Dibromochloromethane	ND	1.0	ug/L	CFR136A 601
1,2-Dichlorobenzene	ND	1.0	ug/L	CFR136A 601
1,3-Dichlorobenzene	**0.45 J**	**1.0**	**ug/L**	**CFR136A 601**
1,4-Dichlorobenzene	ND	1.0	ug/L	CFR136A 601
Dichlorodifluoromethane	ND	1.0	ug/L	CFR136A 601
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 601
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 601
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 601
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 601
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 601
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 601
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 601
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 601
Methylene chloride	**0.51 J**	**2.0**	**ug/L**	**CFR136A 601**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 601
Tetrachloroethene	ND	1.0	ug/L	CFR136A 601
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 601
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 601
Trichloroethene	ND	1.0	ug/L	CFR136A 601
Trichlorofluoromethane	ND	1.0	ug/L	CFR136A 601
Vinyl chloride	ND	1.0	ug/L	CFR136A 601

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	106	(70 - 130)

NOTE(S):

2-Chloroethyl vinyl ether is susceptible to degradation in acid conditions. No quantitation is available.

J Estimated result. Result is less than RL.

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02B

GC Volatiles

Lot-Sample #...: B8B110133-004	**Work Order #...:** CFA1L102	**Matrix.....:** WATER	
Date Sampled...: 02/10/98	**Date Received..:** 02/11/98		
Prep Date.....: 02/17/98	**Analysis Date..:** 02/18/98		
Prep Batch #...: 8049187			
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	CFR136A 602
Chlorobenzene	ND	1.0	ug/L	CFR136A 602
1,2-Dichlorobenzene	ND	1.0	ug/L	CFR136A 602
1,3-Dichlorobenzene	ND	1.0	ug/L	CFR136A 602
1,4-Dichlorobenzene	ND	1.0	ug/L	CFR136A 602
Ethylbenzene	ND	1.0	ug/L	CFR136A 602
Toluene	**0.59 J**	**1.0**	**ug/L**	**CFR136A 602**
Xylenes (total)	ND	1.0	ug/L	CFR136A 602
Methyl tert-butyl ether	ND	1.0	ug/L	CFR136A 602

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	96	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

Quanterra Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02B

GC Semivolatiles

Lot-Sample #...:	B8B110133-004	**Work Order #...:**	CFA1L105	**Matrix.....:**	WATER
Date Sampled...:	02/10/98	**Date Received..:**	02/11/98		
Prep Date.....:	02/12/98	**Analysis Date..:**	02/12/98		
Prep Batch #...:	8043146				
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol..:**	2 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane (EDB)	ND	0.020	ug/L	EPA-DW 504.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,1,2-Tetrachloroethane	94	(72 - 134)

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02B

GC Semivolatiles

Lot-Sample #...:	B8B110133-004	**Work Order #...:**	CFA1L104	**Matrix.....:**	WATER
Date Sampled...:	02/10/98	**Date Received..:**	02/11/98		
Prep Date.....:	02/12/98	**Analysis Date..:**	02/13/98		
Prep Batch #...:	8043188				
Dilution Factor:	1	**Initial Wgt/Vol:**	924 mL	**Final Wgt/Vol..:**	2 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH (C8-C40)	ND	0.50	mg/L	FL-DEP FL-PRO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	90	(33 - 162)
Nonatriacontane	48	(10 - 109)

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02B

HPLC

Lot-Sample #...:	B8B110133-004	**Work Order #...:**	CFA1L103	**Matrix.....:**	WATER
Date Sampled...:	02/10/98	**Date Received..:**	02/11/98		
Prep Date.....:	02/12/98	**Analysis Date..:**	02/17/98		
Prep Batch #...:	8043186				
Dilution Factor:	1	**Initial Wgt/Vol:**	920 mL	**Final Wgt/Vol..:**	1 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	1.0	ug/L	CFR136A 610
Acenaphthylene	ND	1.0	ug/L	CFR136A 610
Anthracene	ND	1.0	ug/L	CFR136A 610
Benzo(a)anthracene	ND	0.10	ug/L	CFR136A 610
Benzo(a)pyrene	ND	0.10	ug/L	CFR136A 610
Benzo(b)fluoranthene	ND	0.092	ug/L	CFR136A 610
Benzo(ghi)perylene	ND	0.20	ug/L	CFR136A 610
Benzo(k)fluoranthene	ND	0.15	ug/L	CFR136A 610
Chrysene	ND	0.10	ug/L	CFR136A 610
Dibenzo(a,h)anthracene	ND	0.20	ug/L	CFR136A 610
Fluoranthene	ND	0.20	ug/L	CFR136A 610
Fluorene	ND	2.0	ug/L	CFR136A 610
Indeno(1,2,3-cd)pyrene	ND	0.092	ug/L	CFR136A 610
1-Methylnaphthalene	ND	1.0	ug/L	CFR136A 610
2-Methylnaphthalene	ND	1.0	ug/L	CFR136A 610
Naphthalene	ND	1.0	ug/L	CFR136A 610
Phenanthrene	ND	1.0	ug/L	CFR136A 610
Pyrene	ND	0.20	ug/L	CFR136A 610

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Carbazole	54	(30 - 130)

Quanterra
Environmental Services

BROWN & ROOT ENVIRONMENTAL

Client Sample ID: WHF-GW-MW02B

TOTAL Metals

Lot-Sample #...: B8B110133-004 **Matrix.....:** WATER
Date Sampled...: 02/10/98 **Date Received..:** 02/11/98

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8043197						
Lead	ND	3.0	ug/L	MCAWW 239.2	02/12/98	CFA1L106
		Dilution Factor: 1		Initial Wgt/Vol:	Final Wgt/Vol..: 0	

Quanterra
Environmental Services

TAMPA LABORATORY
CONDITION UPON RECEIPT FORM

Client: Brown + Root
Date Received: 2/11/98
Received By: Carol McNulty
Project Name: NAS Whiting Field
Lot Number:
CUR Completed By: Carol McNulty

Cooler/Shipping Information:

Type: Cooler X Box ___ Other ___/___

Cooler ID/Track #					
Temp (Celsius)	2°	3°			
Cooler ID/Track #					
Temp (Celsius)	2°				

Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact? Check "NA" if hand delivered. If "Yes," check one: CUSTODY SEAL SAVED ☐ UNABLE TO SAVE CUSTODY SEAL ☒	X		
2. Were custody papers properly included with samples?	X		
3. Were custody papers properly filled out (ink, signed, match labels)?	X		
4. Did all bottles arrive in good condition (unbroken)?	X		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	X		
6. Were correct bottles used for the tests indicated?	X		
7. Were proper sample preservation techniques indicated?	X		
8. Were samples received within holding times? If "No," NCM required.	X		
9. Were all VOA bottles checked for the presence of air bubbles? If air bubbles were found, indicate in comment section.	X		
10. Were samples in direct contact with wet ice? If "No," check one: **NO ICE** ☐ **BLUE ICE** ☐	X		
11. Were the samples received with a temperature blank? **RECORD TEMPERATURE ABOVE** If "No," check one: UNABLE TO DETERMINE TEMP ☐ TEMP TAKEN FROM ICE/WATER NEAR SAMPLES ☐	X		
12. Were sample pHs checked and recorded by S.R. (see back for Page 2 - Sample pH)? *NOTE: TOC and VOA samples are checked by laboratory analysts. If response is "Not Inspected," then a pH check is not required/performed by Sample Receiving and Page 2 is not applicable.*	X X		Not inspected - Page 2 not completed ☐
13. Were samples accepted into the laboratory?	X		

Comments:
per Client MS/MSD is for MW02 (pH for metals = <2 + FE - Pres)
trip blank rec'd not on COC

Complete if applicable: NCM#: ___ Check one: Notified PM by E-mail ☐ Hard Copy ☐

Project Manager initials/date reviewed: 2-12-98 LC

Corrective Action: ___

Corrective Action completed by/date: ___

Brown & Root Environmental

REPORT TO ADDRESS: 1311 Executive Center Dr., Ellis BLDG. Suite 220, Tallahassee FL 32301

TELEPHONE: (850) 656-5459 FAX: (850) 656-7403

SITE MANAGER: Paul Calligan

PROJECT NAME: (NAS) Whiting Field

BRE PROJECT NO.: 7648 CODE:

P.O. NO.: P97454

SHIPPED TO: Quanterra, Tampa (LABORATORY NAME, CITY)

CHAIN OF CUSTODY RECORD

LABORATORY ANALYSIS

SAMPLED BY (PRINT): JASON McCann

SAMPLER SIGNATURE: Jason J. McCann

☑ STANDARD TAT ☐ RUSH

☐ 24 HR. ☐ 48 HR. ☐ 72 HR. ☐ 7 DAYS

RESULTS DUE DATE:

LAB NO.	DATE	TIME	SAMPLE IDENTIFICATION	SAMPLE TYPE COMP.	SAMPLE TYPE GRAB	MATRIX	PRES. TYPE	HCl	None	HCl	None	HNO_3					NUMBER OF CONTAINERS	COMMENTS:
							PARAMETERS	601/602	310	FL-PRO	EDB	Lead						
	02/10/98	1300	WHF-GW-MW01		✓	W		3	2	2	3	1					11	
	02/10/98	0930	WHF-GW-MW02		✓	W		3	2	2	3	1					11	
			TOTAL NUMBER OF CONTAINERS				6	4	4	6	2						22	

EMPTY BOTTLES RELINQUISHED BY (SIGNATURE) ① Jason J. McCann 2.9.98	SEAL INTACT? YES NO N/A	DATE: TIME:	EMPTY BOTTLES RECEIVED BY (SIGNATURE) ② Jason J. McCann	SEAL INTACT? (YES) NO N/A	DATE: 02/10/98 TIME: 0700
RELINQUISHED BY (SIGNATURE) ③ Jason J. McCann	SEAL INTACT? (YES) NO N/A	DATE: 2/10/98 TIME: 1630	RECEIVED BY (SIGNATURE) ④ Chad McNutty	SEAL INTACT? (YES) NO N/A	DATE: 2/11/98 TIME: 1000
RELINQUISHED BY (SIGNATURE) ⑤	SEAL INTACT? YES NO N/A	DATE: TIME:	RECEIVED BY (SIGNATURE) ⑥	SEAL INTACT? YES NO N/A	DATE: TIME:

SPECIAL INSTRUCTIONS:

LABORATORY REMARKS:

SAMPLE CONTAINERS PRECLEANED BY: ☐ BRE ☑ LABORATORY ☐ MANUFACTURER

METHOD OF SHIPMENT: Fed-Ex #800929173357 BILL OF LADING NO.:

WHITE-FULLY EXECUTED COPY
YELLOW-RECEIVING LABORATORY COPY
PINK-SAMPLERS' COPY/QA COPY
GOLDENROD-SITE MANAGERS' COPY

SAMPLING TEAM: JASON McCann

RECEIVED FOR LABORATORY BY (SIGNATURE):

DATE: TIME:

No. 3116

NO. 39150 (3/97)

Brown & Root Environmental

REPORT TO ADDRESS: 1311 Executive Center Dr. Ellis Bldg. Suite 220 Tallahassee, FL 32301

TELEPHONE: (850) 656-5458 FAX: (850) 656-7407

SITE MANAGER: Paul Calligan

PROJECT NAME: (NAS) Whiting Field

BRE PROJECT NO.: 7648 CODE:

P.O. NO.: P97454

SHIPPED TO: Quanterra, Tampa (LABORATORY NAME, CITY)

CHAIN OF CUSTODY RECORD

LABORATORY ANALYSIS

SAMPLED BY (PRINT): JASON McCann

SAMPLER SIGNATURE: Jason McCann

LAB NO.	DATE	TIME	SAMPLE IDENTIFICATION	SAMPLE TYPE COMP.	SAMPLE TYPE GRAB	MATRIX	PRES. TYPE	PARAMETERS 601/602	610	FL-PRO	EDB	Lead	NUMBER OF CONTAINERS
	02/10/98	1015	WHF-GW-MW02B		✓	W	HCl	3	2	2	3	1	11
	02/10/98	—	MS/MSD		✓	W	None	3	2	2	3	1	11
							HCl						
							None						
							HNO_3						
TOTAL NUMBER OF CONTAINERS								6	4	4	6	2	22

☑ STANDARD TAT ☐ RUSH

☐ 24 HR. ☐ 48 HR. ☐ 72 HR. ☐ 7 DAYS

RESULTS DUE DATE:

COMMENTS:

MS/MSD

extra volume of samples collected (The 3 - 40ml vials for 601/602 are the only ones with preservatives)

EMPTY BOTTLES RELINQUISHED BY (SIGNATURE) ① Jason J. McCann JM.	SEAL INTACT? YES NO N/A	DATE: TIME:	EMPTY BOTTLES RECEIVED BY (SIGNATURE) ② Jason J. McCann	SEAL INTACT? (YES) NO N/A	DATE: 2/10/98 TIME: 0700
RELINQUISHED BY (SIGNATURE) ③ Jason J. McCann	SEAL INTACT? (YES) NO N/A	DATE: 2/10/98 TIME: 1630	RECEIVED BY (SIGNATURE) ④ Carol McNulty	SEAL INTACT? (YES) NO N/A	DATE: 2/11/98 TIME: 1000
RELINQUISHED BY (SIGNATURE) ⑤	SEAL INTACT? YES NO N/A	DATE: TIME:	RECEIVED BY (SIGNATURE) ⑥	SEAL INTACT? YES NO N/A	DATE: TIME:

SPECIAL INSTRUCTIONS:

LABORATORY REMARKS:

SAMPLE CONTAINERS PRECLEANED BY: ☐ BRE ☑ LABORATORY ☐ MANUFACTURER

METHOD OF SHIPMENT: Fed-ex # 800929173357 BILL OF LADING NO.:

WHITE-FULLY EXECUTED COPY
YELLOW-RECEIVING LABORATORY COPY
PINK-SAMPLERS' COPY/QA COPY
GOLDENROD-SITE MANAGERS' COPY

SAMPLING TEAM: JASON McCann

RECEIVED FOR LABORATORY BY (SIGNATURE):

DATE: TIME:

No. 3117

NO. 39150 (3/97)

ATTACHMENT L

PRODUCT LINE JUNCTION
CONTAMINANT MASS ESTIMATE

ESTIMATED MASS OF CONTAMINANTS IN VADOSE ZONE SOIL MATRIX

SITE INFORMATION:

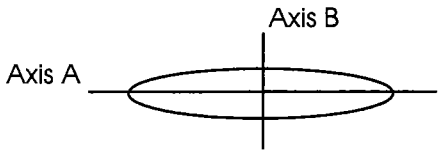
Site:	PRODUCT LINE JUNCTION
Location:	NAS WHITING FIELD, MILTON, FLORIDA
Client:	SOUTHDIV

ASSUMPTIONS:

ESTIMATED AREA OF IMPACT:

Area = p (rA)(rB)

Axis A = 150 ft
Axis B = 60 ft



Estimated Area = 7,069 sq ft

ESTIMATED VERTICAL EXTENT OF IMPACT:

Average Thickness = (T1+T2+...Tn)/n

T1	SB-01	85 ft
T2	SB-02	90 ft
T3	SB-03	70 ft
T4	SB-05	75 ft
T5	SB-10	85 ft
T6	SB-11	85 ft
T7	SB-12	90 ft
T8	SB-14	75 ft
T9	SB-17	80 ft

Average Thickness= 82 ft

ESTIMATED VOLUME OF IMPACT:

Volume = Area x Thickness

Area = 7069 sq ft
Thickness = 82 ft

Estimated Volume = 577,268 cu ft

AVERAGE CONCENTRATION OF IMPACT:

Average Concentration = (C1+C2+...Cn)/n

C1	SB-01	630 mg/kg
C2	SB-02	900 mg/kg
C3	SB-10	13.3 mg/kg
C4	SB-11	17.0 mg/kg

Average Concentration= 390 mg/kg

ESTIMATED MASS OF CONTAMINANTS IN VADOSE ZONE SOIL MATRIX

SITE INFORMATION:

Site:	PRODUCT LINE JUNCTION
Location:	NAS WHITING FIELD, MILTON, FLORIDA
Client:	SOUTHDIV

INPUT:

Estimated Impacted Area	sq ft	7,069
Estimated Average Impacted Thickness	ft	82
Estimated Impacted Volume	cu ft	577,268
Average Total TPH Concentration	mg/kg	390

CALCULATIONS:

Estimated mass of hydrocarbons in soil:

565,487 ft^3 X 1 yd^3/27 ft^3 X 1.4 tons/1 yd^3 X 1016 kg/ton X 390 mg/kg TPH X (1.0 X 10-6) kg/mg X 2.204623 lb/kg

lbs 26,155

PREPARED BY: _____ CHECKED BY: _____

Date