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NAS CECIL FIELD, FL
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SAMPLING AND ANALYSIS REPORT FOR BUILDING 818 OIL-WATER SEPARATOR 818-
OW BASE REALIGNMENT AND CLOSURE NAS CECIL FIELD FL
8/1/2000
TETRA TECH NUS INC

Sampling and Analysis Report
for
Building 818, Oil-Water Separator
818-OW
Base Realignment and Closure

Naval Air Station Cecil Field
Jacksonville, Florida



Southern Division
Naval Facilities Engineering Command
Contract Number N62467-94-D-0888
Contract Task Order 0078

August 2000

**SAMPLING AND ANALYSIS REPORT
FOR
BUILDING 818, OIL-WATER SEPARATOR 818-OW
BASE REALIGNMENT AND CLOSURE**

**NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA**

**COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT N62467-89-D-0088**

**Submitted to:
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29406**

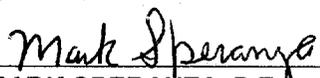
**Submitted by:
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh, Pennsylvania 15220**

**CONTRACT NUMBER N62467-94-D-0888
CONTRACT TASK ORDER 0078**

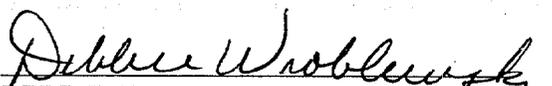
AUGUST 2000

PREPARED UNDER THE SUPERVISION OF:

APPROVED FOR SUBMITTAL BY:



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**DEBBIE WROBLEWSKI
PROGRAM MANAGER
TETRA TECH NUS, INC.
PITTSBURGH, PENNSYLVANIA**



CERTIFICATION OF TECHNICAL
DATA CONFORMITY

The Contractor, Tetra Tech NUS, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-94-D-0888 are complete and accurate and comply with all requirements of this contract.

DATE: August 8, 2000

NAME AND TITLE OF CERTIFYING OFFICIAL: Mark Speranza, P.E.
Task Order Manager



The professional opinions rendered in this decision document identified as Sampling and Analysis Report for Building 818, Oil-Water Separator 818-OW, Naval Air Station Cecil Field, Jacksonville, Florida were developed in accordance with commonly accepted procedures consistent with applicable standards of practice. Decision documents are based on information obtained from others and under the supervision of the signing engineer. If conditions are determined to exist differently than those described in this document, then the undersigned professional engineer should be notified to evaluate the effects of any additional information on the project described in this report.

Mark P. Speranza
Mark Speranza, P.E.
Professional Engineering No. PE0050304

Date: 8/9/00

Mark P. Speranza

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ACRONYMS

ABB-ES	ABB Environmental Services, Inc.
BCT	BRAC Cleanup Team
bgs	below ground surface
BRAC	Base Realignment and Closure
CTO	Contract Task Order
EBS	Environmental Baseline Survey
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
GCTL	Florida Groundwater Cleanup Target Level
HLA	Harding Lawson Associates
IBDS	NAS Cecil Field Site-Specific Inorganic Background Data Set
KAG	Kerosene Analytical Group
mg/kg	milligram per kilogram
ug/l	microgram per liter
NAS	Naval Air Station
OWS	oil-water separator
OVA	Organic Vapor Analyzer
RAC	Remedial Action Contractor
RBC(R)	Risk-Based Concentration (Residential)
SAO	Sampling and Analysis Outline
SAR	Sampling and Analysis Report
SCTL	Soil Cleanup Target Level
SOUTHNAVFACENCOM	Southern Division, Naval Facilities Engineering Command
TtNUS	Tetra Tech NUS, Inc.
U.S. EPA	U.S. Environmental Protection Agency

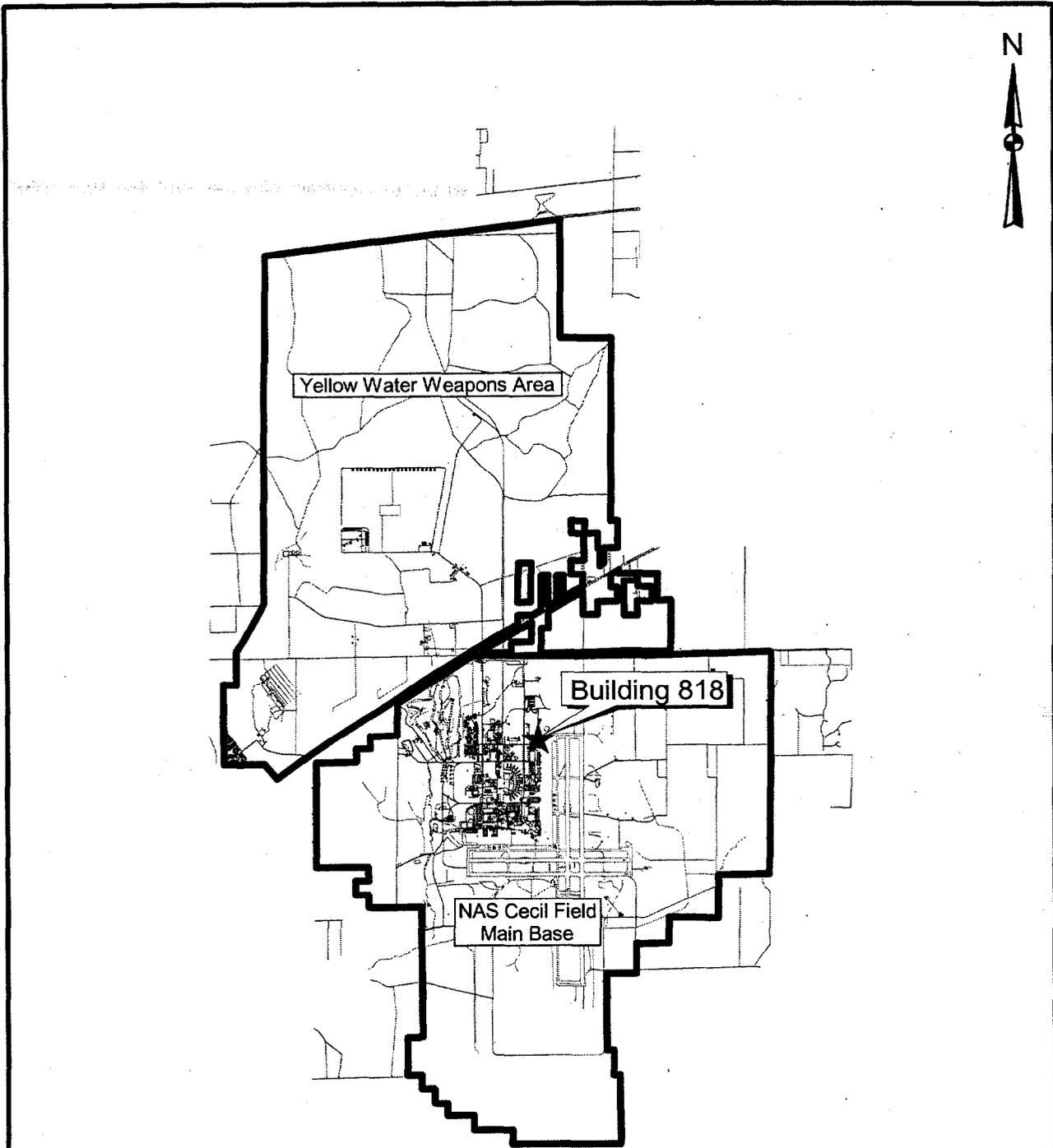
1.0 INTRODUCTION

Tetra Tech NUS, Inc. (TtNUS), under contract to Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), has completed the Base Realignment and Closure (BRAC) Phase II Sampling and Analysis Program for Building 818, Oil-Water Separator (OWS) 818-OW, at Naval Air Station (NAS) Cecil Field. This program was conducted under Contract Number N62467-94-D-088, Contract Task Order (CTO) 0078. This Sampling and Analysis Report (SAR) summarizes the related operations, results, conclusions, and recommendation of the field investigations.

Building 818, OWS 818-OW, is located directly west of the taxiway at the east end of Parkland Road (formerly Tenth Street), as shown on Figures 1-1 and 1-2. Building 818 is a 4,966 square foot one-story cinderblock structure with a flat roof. The building was constructed in 1989 for use as a jet engine test facility (ABB Environmental Services, Inc. (ABB-ES, 1994a).

Building 818 was classified as 2/Blue in the Environmental Baseline Survey (EBS) (ABB-ES, 1994) due to the storage of hazardous materials at this facility but was later changed to 7/Grey in the Sampling and Analysis Outline (SAO) for Facility 818 (HLA, 1999b) due to the presence of an unassessed oil-water separator.

The SAO (HLA, 1999b), for the assessment of the oil-water separator and soil in the vicinity of the Building 818, was prepared by HLA and approved by the BRAC Cleanup Team (BCT). The investigations for the SAO were used to delineate the extent of arsenic contamination in the surface soil, and a subsequent dig and haul package (excavation plan) was prepared by TtNUS (TtNUS, 1999). Contaminated soil was excavated by the Remedial Action Contractor (RAC), CH2MHill, in accordance with the dig and haul package.



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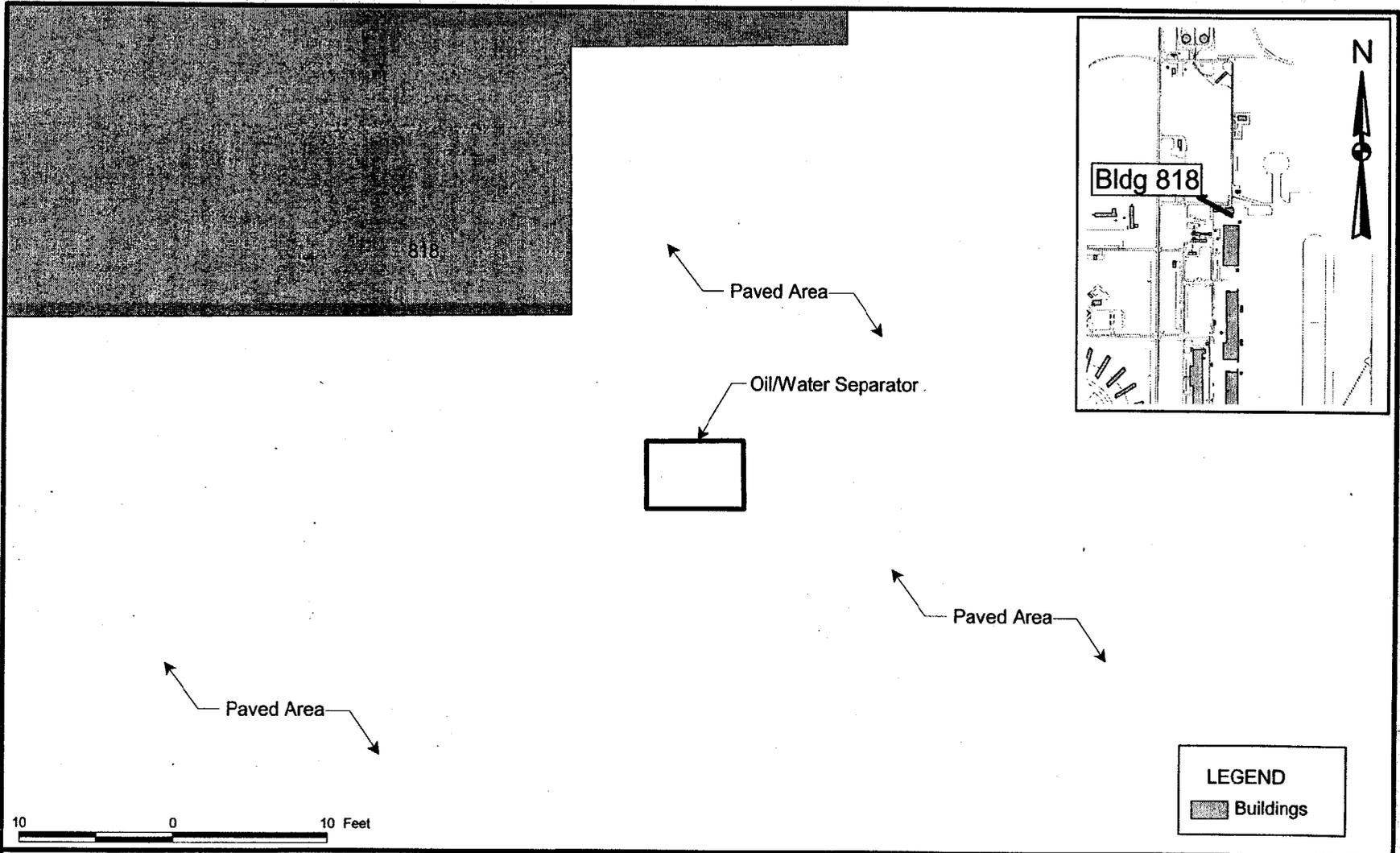
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GENERAL LOCATION MAP
BUILDING 818, OIL-WATER SEPARATOR 818-OW
SAMPLING AND ANALYSIS REPORT
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NUMBER 0039	
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SITE LOCATION MAP
 BUILDING 818, OIL-WATER SEPARATOR 818-OW
 SAMPLING AND ANALYSIS REPORT
 NAVAL AIR STATION CECIL FIELD
 JACKSONVILLE, FLORIDA

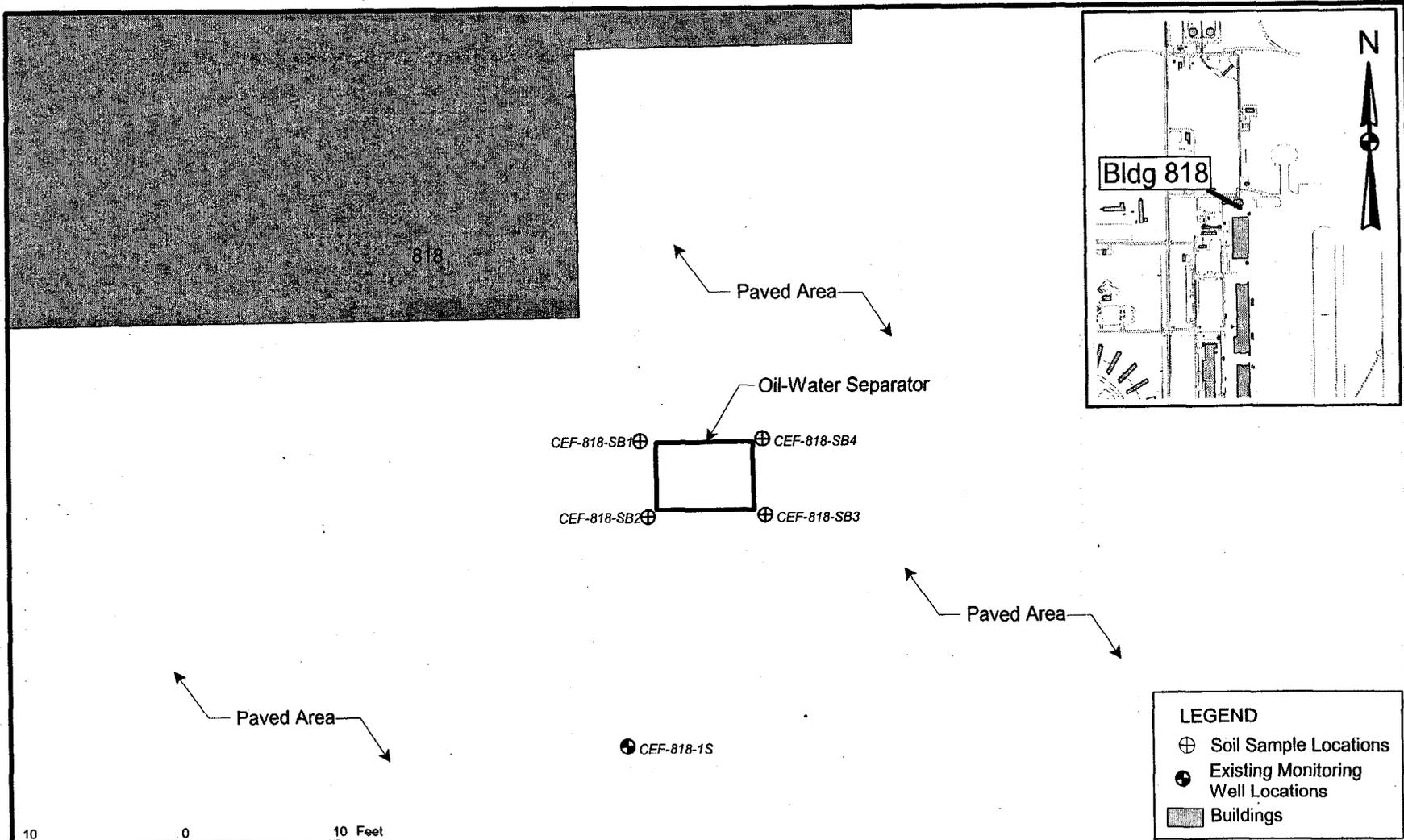
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2.0 FIELD INVESTIGATIONS

Confirmatory sampling for OWS 818-OW was initiated by HLA in September 1998 to assess potential soil contamination in the immediate vicinity of the oil-water separator. The sampling included the following:

- The collection of soil samples from each of four borings (SB1, SB2, SB3, and SB4) at depth intervals of 1 foot below ground surface (bgs) and every 2 feet thereafter to the water table
- The collection of one subsurface soil sample (CEF-818-SB2) at 1 foot bgs
- The collection of one groundwater sample from a monitoring well (CEF-818-1S) installed to a depth of 13 feet bgs

A site plan showing the location of the samples is presented on Figure 2-1. Field activities were undertaken in general conformance with the Project Operations Plan (ABB-ES, 1994b). The surface soil samples were screened for hydrocarbon vapors with an Organic Vapor Analyzer (OVA), the subsurface sample was analyzed for the Kerosene Analytical Group (KAG) parameters, and the groundwater sample was analyzed for the used oil group parameters (HLA, 1999a).



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SAMPLE LOCATION MAP
 BUILDING 818, OIL-WATER SEPARATOR 818-OW
 SAMPLING AND ANALYSIS REPORT
 NAVAL AIR STATION CECIL FIELD
 JACKSONVILLE, FLORIDA

CONTRACT NUMBER 0039	
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APPROVED BY	DATE
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3.0 DATA EVALUATION AND REMOVAL ACTION

3.1 DATA EVALUATION

The concentrations of individual samples were screened against the NAS Cecil Field site-specific Inorganic Background Data Set (IBDS) and the Florida Department of Environmental Protection (FDEP) criteria, as described in the Florida Administrative Code (FAC) Chapter 62-777. The remediation goal for any site should never be less than the IBDS values. However, if an FDEP criterion is greater than the IBDS value, the FDEP criterion is regarded as the remediation goal. Analytical results were also compared to the SCTL for leachability based on groundwater criteria. For the analytes at this site, the SCTLs for leachability are less restrictive than the SCTLs for residential exposure.

As shown on Table 3-1 and Figure 3-1, arsenic was detected in one sample (CEF-818-SB2) at a concentration of 3 mg/kg, which is greater than both the FDEP Soil Cleanup Target Level (SCTL) for residential exposure of 0.8 mg/kg (FDEP, 1999) and the NAS Cecil Field site-specific IBDS concentration of 2.04 mg/kg (HLA, 1998). Arsenic concentrations in the remaining samples were below the FDEP SCTL and IBDS. Laboratory analytical data are provided in Appendix A.

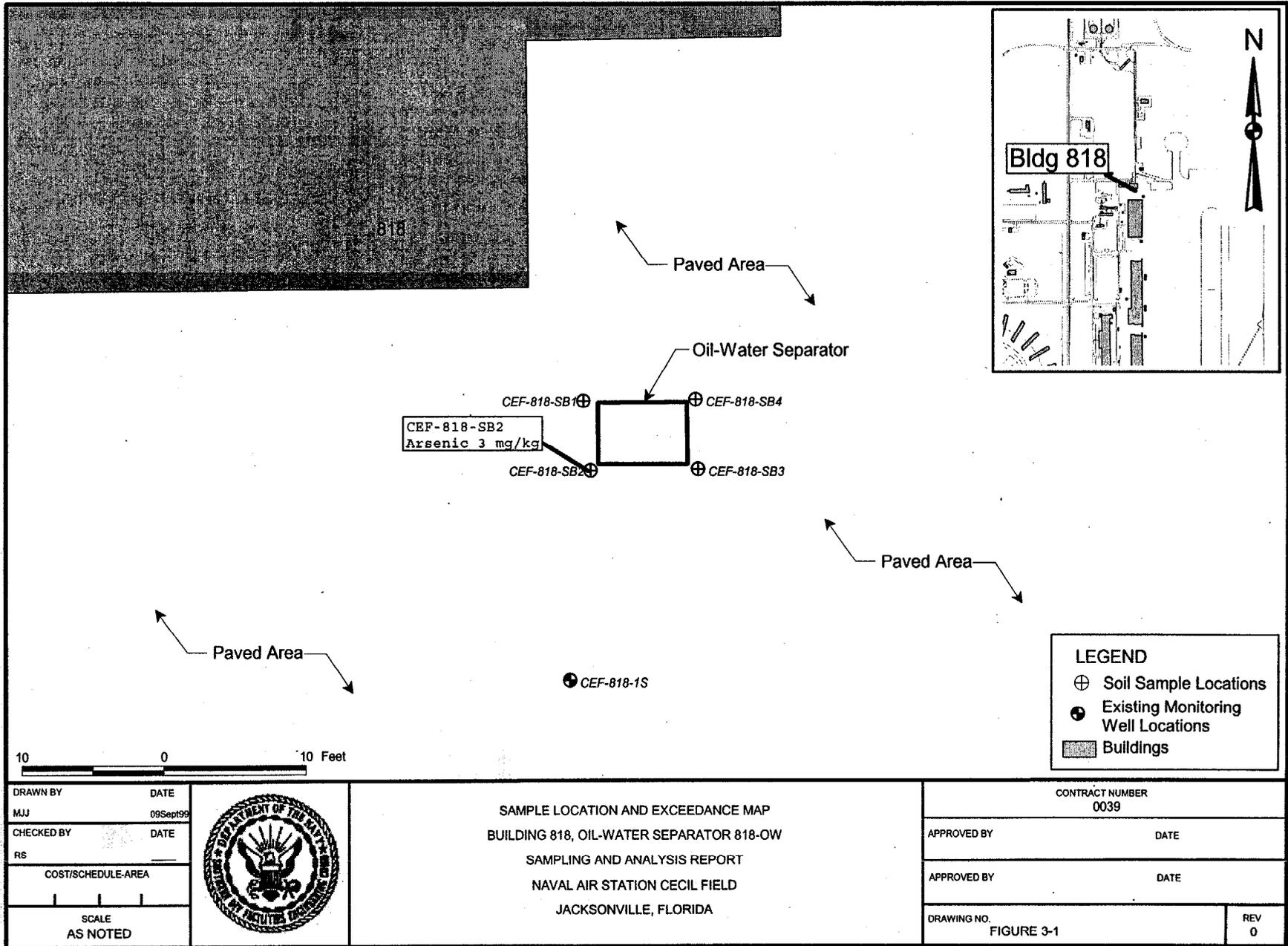
Groundwater results were below FDEP Groundwater Cleanup Target Levels (GCTLs) as shown in Table 3-2. Laboratory analytical data are provided in Appendix A.

3.2 REMOVAL ACTION

The BCT agreed that a removal action was required at Building 818 and agreed upon the proposed removal area presented in the dig and haul package prepared by TtNUS (see Figure 3-2). On February 18, 2000, 1 ton of arsenic-contaminated soil was excavated. The excavated soil was transported and disposed of off site on March 7, 2000. As shown on Figure 3-2, approximately 9 square feet of soil was excavated to a depth of 2 feet bgs, for a total estimated volume of 0.67 cubic yards. The soil was hand-excavated, stockpiled, bermed, and covered before it was loaded into a truck for transportation and disposal. The soil was characterized as non-hazardous by the RAC prior to disposal. The excavated soil was transported by Pritchett Trucking to the Chesser Island Road Landfill, a Subtitle D solid waste disposal facility in Folkston, Georgia (CH2MHill, 2000).

Clean fill material from the Dallas Harts Borrow Pit was used to backfill the excavation. Once the excavation area was backfilled, the asphalt subgrade was placed and compacted, and the area was patched with asphalt to restore it to its original condition. No confirmatory sampling was performed.

Detailed information on the remedial activities, including photographs, laboratory results, copies of the soil manifests, certificates of disposal, and certificates of clean fill, is provided in the Source Removal Report (CH2MHill, 2000).

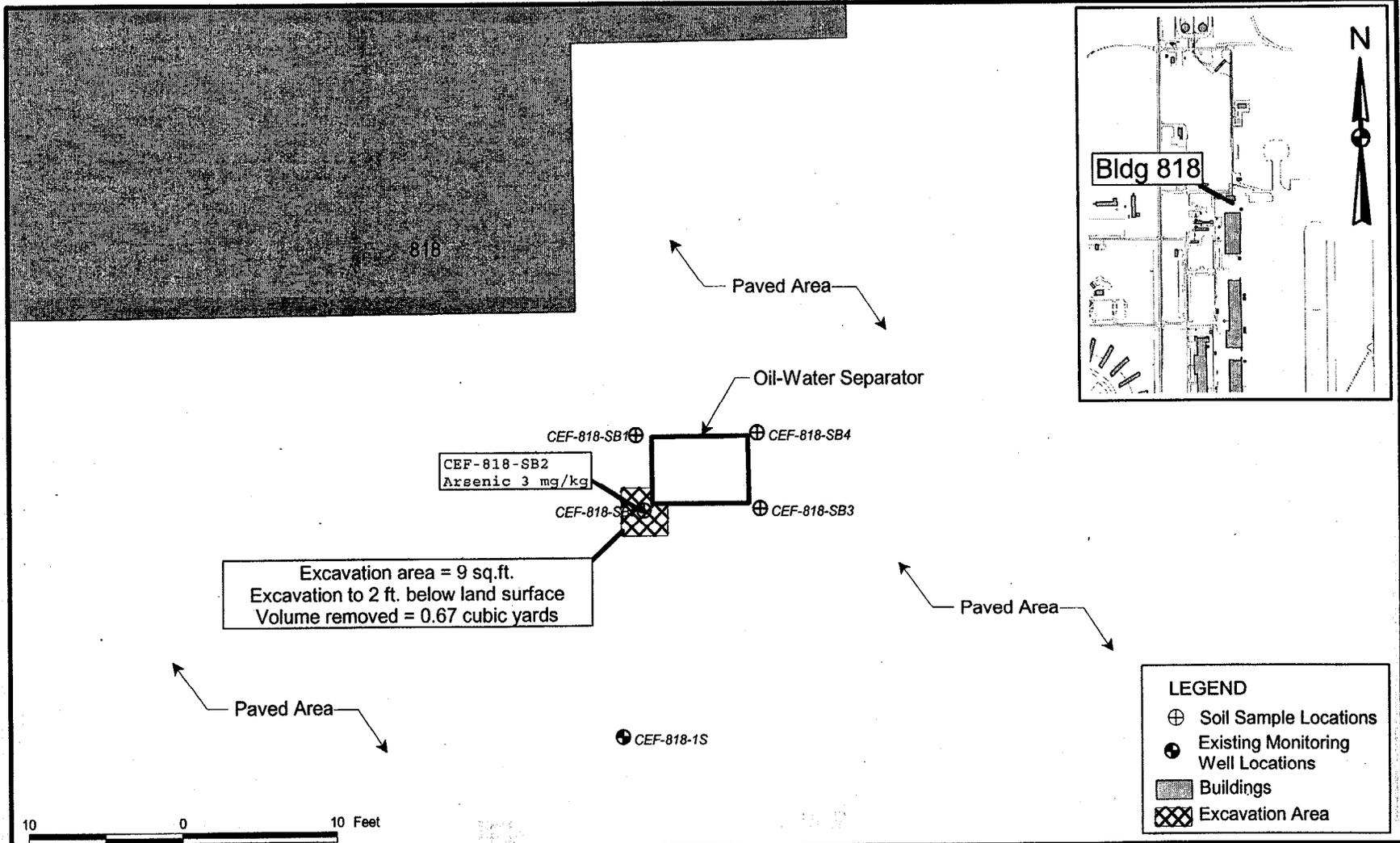


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SAMPLE LOCATION AND EXCEEDANCE MAP
 BUILDING 818, OIL-WATER SEPARATOR 818-OW
 SAMPLING AND ANALYSIS REPORT
 NAVAL AIR STATION CECIL FIELD
 JACKSONVILLE, FLORIDA

CONTRACT NUMBER 0039	
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COST/SCHEDULE-AREA	
SCALE AS NOTED	



SOIL EXCAVATION LIMITS
BUILDING 818, OIL-WATER SEPARATOR 818-OW
SAMPLING AND ANALYSIS REPORT
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NUMBER 0039	
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TABLE 3-1

TABLE OF ANALYTES DETECTED IN SOIL
BUILDING 818, OWS 818-OW
SAMPLING AND ANALYSIS REPORT
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Analysis	CEF-818-SB2	IBDS ⁽¹⁾	FDEP ⁽²⁾ SCTL	U.S.EPA ⁽³⁾ RBC(R)
Inorganic Analytes, mg/kg				
Arsenic	3	2.04	0.8	0.39
Chromium	5.4	7.75	38	210
Lead	8 J	197	400	400
Mercury	0.026	0.16	2.1	NC
Selenium	2.3	1.68	5	390

NOTE:

Only detected analytes are reported.

NC - No Criterion

J - Estimated Value

1 NAS Cecil Field Inorganic Background Data Set (HLA, 1998)

2 Florida Soil Cleanup Target Level, FAC Chapter 62-777 (FDEP, 1999)

- Lesser of Direct Exposure and Leachability to Groundwater Values.

3 RBC(R) - Residential Risk-Based Concentration (U.S. EPA, 1998)

Shaded value indicates exceedances of both background IBDS value and regulatory criteria.

(Source:CH2MHILL, 2000)

TABLE 3-2

TABLE OF ANALYTES DETECTED IN GROUNDWATER
BUILDING 818, OWS 818-OW
SAMPLING AND ANALYSIS REPORT
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Analysis	CEF-818-1S	FDEP ⁽¹⁾ GCTL	U.S.EPA ⁽²⁾ RCB
Polynuclear Aromatic Hydrocarbons (ug/l)			
Benzo(a)anthracene	0.08	0.2	0.092
Benzo(k)fluoranthene	0.14	0.5	0.92
Benzo(a)pyrene	0.09 J	0.2	0.0092
Chrysene	0.18	4.8	9.2
Dibenz(a,h)anthracene	0.12	0.2	0.0092
Indeno(1,2,3-cd)pyrene	0.11	0.2	0.092

NOTE:

Only detected analytes are reported.

J - Estimated Value

1 Florida Groundwater Cleanup Target Level, FAC Chapter 62-777
(FDEP, 1999)

2 RBC(R) - Residential Risk-Based Concentration (U.S. EPA, 1998)

4.0 CONCLUSIONS AND RECOMMENDATION

Field investigations determined that arsenic contamination in soil was present at OWS 818-OW. A removal action was performed to excavate and dispose of the contaminated soil off site. The removal action took place on February 18, 2000. Since the removal action, the soil at Building 818 no longer represents a threat to human health or the environment. One groundwater sample was obtained. The analytical results were below FDEP GCTL.

Based upon these conclusions, the recommendation for Building 818 is no further action. It is also recommended that the EBS color code for Building 818 should be changed to 4/Dark Green to denote areas where release, disposal, and/or migration of hazardous substances have occurred and where remedial actions to protect human health and the environment have been taken. Residual arsenic concentrations in surface soil no longer represent a hazard to human health or the environment.

REFERENCES

ABB-ES (ABB Environmental Services, Inc.), 1994a. Base Realignment and Closure Environmental Baseline Survey Report, Naval Air Station Cecil Field, Jacksonville, FL. Tallahassee, FL, November.

ABB-ES, 1994b. Project Operations Plan for Naval Air Station Cecil Field, Naval Air Station Cecil Field, Jacksonville, FL. Tallahassee, FL, December.

CH2MHill, 2000. Source Removal Report, Excavation of Arsenic-Contaminated Soil at Building 818, Oil/Water Separator 818-OW. Prepared for SOUTHNAVFACENCOM, Charleston, SC. Naval Air Station Cecil Field, Jacksonville, FL, July.

FDEP (Florida Department of Environmental Protection), 1999. Contaminant Target Rule, Soil, Groundwater, and Surface Water Target Cleanup Levels. Florida Administrative Code (FAC) 62-777, August.

HLA (Harding Lawson Associates), 1998. Inorganic Background Data Set.

HLA, 1999a. Confirmatory Sampling Report, Building 818, Oil-Water Separator 818-OW, Base Realignment and Closure, Underground Storage Tank and Aboveground Storage Tank, Gray Sites, Naval Air Station Cecil Field, Jacksonville FL, Tallahassee FL, February.

HLA, 1999b. Sampling and Analysis Outline, Facility 818 Base Realignment and Closure Zone C, Developed Nonindustrial Area, Naval Air Station Cecil Field, Jacksonville FL, Tallahassee, FL, June.

TtNUS (Tetra Tech NUS, Inc.), 1998. Base-Wide Generic Work Plan, Naval Air Station Cecil Field, Jacksonville, Florida. Pittsburgh, PA, October.

TtNUS, 1999. Dig and Haul Package for Gray Site: Building 818, Oil-Water Separator 818-OW Naval Air Station Cecil Field, Jacksonville, Florida. Pittsburgh, PA, September.

U.S. EPA, 1998. Risk-Based Concentration Table. Region IX.

Appendix A

Analytical Data Sheets

A.1

Soil Data

NAS CECIL FIELD -- OIL/WATER SEPARATOR AT FACILITY 818
 SUBSURFACE SOIL -- ANALYTICAL DATA -- REPORT REQUEST NO. 10552

Lab Sample Number: JR36664
 Site: UST GREY
 Locator: CEF-818-SB2
 Collect Date: 14-OCT-98

VALUE QUAL UNITS DL

BRAC VOLATILES

1,1,1-Trichloroethane	1 U	ug/kg	1
1,1,2,2-Tetrachloroethane	1 U	ug/kg	1
1,1,2-Trichloroethane	1 U	ug/kg	1
1,1-Dichloroethane	1 U	ug/kg	1
1,1-Dichloroethene	1 U	ug/kg	1
1,2-Dichlorobenzene	360 U	ug/kg	360
1,2-Dichloroethane	1 U	ug/kg	1
1,2-Dichloropropane	1 U	ug/kg	1
1,3-Dichlorobenzene	360 U	ug/kg	360
1,4-Dichlorobenzene	360 U	ug/kg	360
Benzene	1 U	ug/kg	1
Bromodichloromethane	1 U	ug/kg	1
Bromoform	1 U	ug/kg	1
Bromomethane	1 U	ug/kg	1
Carbon tetrachloride	1 U	ug/kg	1
Chlorobenzene	1 U	ug/kg	1
Chloroethane	1 U	ug/kg	1
Chloroform	1 U	ug/kg	1
Chloromethane	1 U	ug/kg	1
Dibromochloromethane	1 U	ug/kg	1
Ethyl benzene	1 U	ug/kg	1
Methyl chloride	1 U	ug/kg	1
Tetrachloroethene	3 U	ug/kg	3
Toluene	1 U	ug/kg	1
Trichloroethene	1 U	ug/kg	1
Vinyl chloride	1 U	ug/kg	1
cis-1,3-Dichloropropene	1 U	ug/kg	1
m,p-Xylene	1 U	ug/kg	1
o-Xylene	1 U	ug/kg	1
trans-1,2-Dichloroethene	1 U	ug/kg	1
trans-1,3-Dichloropropene	1 U	ug/kg	1

BRAC SEMIVOLATILES

Phenol	360 U	ug/kg	360
bis(2-Chloroethyl)ether	360 U	ug/kg	360
1,3-Dichlorobenzene	360 U	ug/kg	360
1,4-Dichlorobenzene	360 U	ug/kg	360
1,2-Dichlorobenzene	360 U	ug/kg	360
N-Nitroso-di-n-propylamine	360 U	ug/kg	360
Hexachloroethane	360 U	ug/kg	360
Nitrobenzene	360 U	ug/kg	360
Isophorone	360 U	ug/kg	360
2-Nitrophenol	360 U	ug/kg	360
2,4-Dimethylphenol	360 U	ug/kg	360
bis(2-Chloroethoxy) methane	360 U	ug/kg	360
2,4-Dichlorophenol	360 U	ug/kg	360
1,2,4-Trichlorobenzene	360 U	ug/kg	360
Naphthalene	360 U	ug/kg	360
Hexachlorobutadiene	360 U	ug/kg	360
4-Chloro-3-methylphenol	360 U	ug/kg	360

NAS CECIL FIELD -- OIL/WATER SEPARATOR AT FACILITY 818
 SUBSURFACE SOIL -- ANALYTICAL DATA -- REPORT REQUEST NO. 10552

Lab Sample Number: JR36664
 Site: UST GREY
 Locator: CEF-818-SB2
 Collect Date: 14-OCT-98

VALUE QUAL UNITS DL

2-Methylnaphthalene	360 U	ug/kg	360
2,4,6-Trichlorophenol	360 U	ug/kg	360
2-Chloronaphthalene	360 U	ug/kg	360
Dimethylphthalate	360 U	ug/kg	360
Acenaphthylene	360 U	ug/kg	360
2,4-Dinitrophenol	1800 U	ug/kg	1800
3- & 4-Methylphenol (2)	360 U	ug/kg	360
4-Nitrophenol	360 U	ug/kg	360
2,4-Dinitrotoluene	360 U	ug/kg	360
Diethylphthalate	360 U	ug/kg	360
4-Chlorophenyl-phenylether	360 U	ug/kg	360
Fluorene	360 U	ug/kg	360
4,6-Dinitro-2-methylphenol	1100 U	ug/kg	1100
4-Bromophenyl-phenylether	360 U	ug/kg	360
Hexachlorobenzene	360 U	ug/kg	360
Pentachlorophenol	360 U	ug/kg	360
Phenanthrene	360 U	ug/kg	360
Anthracene	360 U	ug/kg	360
Di-n-butylphthalate	360 U	ug/kg	360
Fluoranthene	360 U	ug/kg	360
Pyrene	360 U	ug/kg	360
3,3-Dichlorobenzidine	720 U	ug/kg	720
Benzo (a) anthracene	360 U	ug/kg	360
Chrysene	360 U	ug/kg	360
bis(2-Ethylhexyl) phthalate	360 U	ug/kg	360
Di-n-octylphthalate	360 U	ug/kg	360
Benzo (b) fluoranthene	360 U	ug/kg	360
Benzo (k) fluoranthene	360 U	ug/kg	360
Benzo (a) pyrene	360 U	ug/kg	360
Indeno (1,2,3-cd) pyrene	360 U	ug/kg	360
Dibenzo (a,h) anthracene	360 U	ug/kg	360
Benzo (g,h,i) perylene	360 U	ug/kg	360

FLA PRO			
TPH C8-C40	7.2 U	mg/kg	7.2
Arsenic	3	mg/kg	.5
Barium	22 U	mg/kg	22
Cadmium	1 U	mg/kg	.1
Chromium	5.4	mg/kg	1
Lead	8 J	mg/kg	8
Mercury	.026	mg/kg	.01
Selenium	2.3	mg/kg	2
Silver	2 U	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
 UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
 R = RESULT IS REJECTED AND UNUSABLE

A.2

Groundwater Data

NAS CECIL FIELD --- OIL/WATER SEPARATOR AT FACILITY 818
GROUNDWATER -- ANALYTICAL DATA -- REPORT REQUEST NO. 10579

Lab Sample Number: JR41593
Site: UST GREY
Locator: CF818-OW1S
Collect Date: 17-NOV-98

VALUE QUAL UNITS DL

BRAC VOLATILES

1,1,1-Trichloroethane	1 U	ug/l	1
1,1,2,2-Tetrachloroethane	1 U	ug/l	1
1,1,2-Trichloroethane	1 U	ug/l	1
1,1-Dichloroethane	1 U	ug/l	1
1,1-Dichloroethene	1 U	ug/l	1
1,2-Dichlorobenzene	1 U	ug/l	1
1,2-Dichloroethane	1 U	ug/l	1
1,2-Dichloropropane	1 U	ug/l	1
1,3-Dichlorobenzene	1 U	ug/l	1
1,4-Dichlorobenzene	1 U	ug/l	1
Benzene	1 U	ug/l	1
Bromodichloromethane	1 U	ug/l	1
Bromoform	1 U	ug/l	1
Bromomethane	1 U	ug/l	1
Carbon tetrachloride	1 U	ug/l	1
Chlorobenzene	1 U	ug/l	1
Chloroethane	2 U	ug/l	2
Chloroform	1 U	ug/l	1
Chloromethane	2 U	ug/l	2
Dibromochloromethane	1 U	ug/l	1
Ethyl benzene	1 U	ug/l	1
Methyl chloride	2 U	ug/l	2
Tetrachloroethene	1 U	ug/l	1
Toluene	1 U	ug/l	1
Trichloroethene	1 U	ug/l	1
Vinyl chloride	1 U	ug/l	1
cis-1,3-Dichloropropene	1 U	ug/l	1
m,p-Xylene	1 U	ug/l	1
o-Xylene	1 U	ug/l	1
trans-1,2-Dichloroethene	1 U	ug/l	1
trans-1,3-Dichloropropene	1 U	ug/l	1

PAHS

Acenaphthene	.5 U	ug/l	.5
Acenaphthylene	1 U	ug/l	1
Anthracene	.05 U	ug/l	.05
Benzo (a) anthracene	.08 U	ug/l	.05
Benzo (b) fluoranthene	.1 U	ug/l	.1
Benzo (k) fluoranthene	.14 U	ug/l	.05
Benzo (a) pyrene	.09 J	ug/l	.05
Chrysene	.18 U	ug/l	.05
Dibenzo (a,h) anthracene	.12 J	ug/l	.1
Fluoranthene	.1 U	ug/l	.1
Fluorene	.1 U	ug/l	.1
Indeno (1,2,3-cd) pyrene	.11 U	ug/l	.05
Benzo (g,h,i) perylene	.1 U	ug/l	.1
Naphthalene	.5 U	ug/l	.5
Phenanthrene	.05 U	ug/l	.05
Pyrene	.05 U	ug/l	.05

NAS CECIL FIELD -- OIL/WATER SEPARATOR AT FACILITY 818
GROUNDWATER -- ANALYTICAL DATA -- REPORT REQUEST NO. 10579

Lab Sample Number: JR41593
Site: UST GREY
Locator: CF818-OW1S
Collect Date: 17-NOV-98

	VALUE	QUAL	UNITS	DL
1-Methylnaphthalene	.5	U	ug/l	.5
2-Methylnaphthalene	.5	U	ug/l	.5
FLA PRO TPH C8-C40	.2	U	mg/l	.2
Arsenic	.01	U	mg/l	.01
Barium	.1	U	mg/l	.1
Cadmium	.001	U	mg/l	.001
Chromium	.01	U	mg/l	.01
Lead	.005	U	mg/l	.005
Mercury	.0002	U	mg/l	.0002
Selenium	.01	U	mg/l	.01
Silver	.01	U	mg/l	.01

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE