N60201.AR.002453
NS MAYPORT
5090.3a

SUMMARY OF FIELD ACTIVITIES FUEL SPILL CLEAN-UP BUILDING 425 NS MAYPORT FL
2/1/1996
COASTAL SCIENCE ASSOCIATES, INC

Summary of Field Activities

FUEL SPILL CLEAN-UP

Building 425
Mayport Naval Station, Florida

Prepared for:

Environmental Recovery, Inc.
251 Levy Road
P.O. Box 330569
Atlantic Beach, Florida 32233

Prepared by:

Coastal Science Associates, Inc.
328 North Second Avenue
Jacksonville Beach, Florida 32250
Florida DEP CompQAP #920259G

February 1996

CSA*i*

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Summary of Field Activities

Fuel Spill Clean-Up
Building 425
Mayport Naval Station, Florida

On February 4, 1997, Coastal Science Associates, Inc. (CSA*i*) was contracted by Environmental Recovery, Inc. (ERI) to perform organic vapor analysis during the excavation of petroleum contaminated soil at a fuel spill site located at Building 425 (BOQ) at Mayport Naval Station in Duval County, Florida (Figure 1, Site Location Map). The release was reported to have resulted from a backflow of heating oil through a petroleum storage system vent pipe (refer to photodocumentation). An estimated 600 to 700 gallons of product was reported to have been released.

The extent of soil contamination was delineated using soil headspace analysis procedures outlined in Chapter 62-770.200 F.A.C., and in the Florida Department of Environmental Protection (FDEP) "Guidelines for the Assessment and Remediation of Petroleum Contaminated Soils". Organic Vapor Analysis (OVA) of the soil was performed in the field using a Foxboro 128 Organic Vapor Analyzer/Flame Ionization Detector (OVA/FID). The instrument was calibrated in the field prior to sample collection using a standard of 95 parts per million (ppm) methane. Soil samples were collected and analyzed in the field using soil vapor headspace analysis techniques. In this procedure, a clean 16-ounce, widemouth glass jar is half-filled with the soil sample to be tested. The jar is then sealed with aluminum foil and allowed to equilibrate at ambient temperatures for a period of five to ten minutes. The organic vapor concentration in the headspace of the jar is then analyzed using the OVA/FID. Samples were analyzed both with and without a carbon filter in order to detect and correct for the presence of naturally occurring organic vapors (i.e. methane). The corrected reading is reported in parts per million (ppm), and represents the concentration of organic vapor from the soil sample resulting from the presence of volatile petroleum compounds in the sample.

A soil boring was conducted approximately 5 ft west of the vent pipe that was identified as the source of the release, representing the apparent worst case area. The results of OVA soil screening, as well as visual and olfactory evidence, appeared to indicated the presence of contaminated soil in contact with the water table, which was encountered at a depth of approximately 7.0 ft below the original surface grade. A temporary well point was installed at this location in order to collect a representative groundwater sample, for the purpose of establishing the presence or absence of groundwater contamination resulting from the spill. Installation of the well point was conducted using a stainless steel hand

auger. The soil boring was completed to a depth of approximately 9.0 ft below the original surface grade, and a temporary well point was installed. The temporary well point was constructed of 2-inch diameter schedule-40 PVC with 5 ft of 0.010-inch slotted screen and 5 ft of flush-threaded riser, and was installed such that the well screen bracketed the top of the surficial aquifer. After allowing the well to stabilize for a period of 5 to 10 minutes, the well was purged using a Teflon bailer. A layer of free product was evident on the surface of the water table during purging. A total of 5 standing well volumes was purged from the temporary well prior to sample collection. A groundwater sample was collected using a teflon bailer. The sample collected in laboratory-prepared sample containers, sealed in ziplock type bags, placed on wet ice and hand-delivered to a FDEP-approved environmental testing laboratory (VOC Analytical, Inc.) for analysis by EPA Methods 602 and 610. The results of the laboratory anlaysis indicated the presence of Volatile Organic Compounds including Benzene, Toluene, Ethyl Benzene and Xylene, in excess of the FDEP Groundwater Guidance Concentrations. A copy of the laboratory report is provided at as Attachment A.

Excavation was initiated in the apparent worst case area, and soil samples were collected continuously during excavation. Excessively contaminated soils (soils with OVA readings in excess of the target level of 50 ppm) were excavated. Additional soil samples were collected from the excavated areas, and soil excavation was continued until OVA readings were below the target clean-up level of 10 parts per million. Excavation was conducted in the worst case areas to the depth of groundwater, which was encountered at a depth of approximately 7.0 ft below the original surface grade. In those areas immediately adjacent to the exterior walls of the building, limited quantities of contaminated soils were unable to be excavated due to the threat of damage to the building or underground utilities from undermining. Results of the OVA soil screening are presented in Table 1, and OVA soil sampling locations and the extent of excavation is illustrated in Figure 3. The final excavation was irregular in shape, measuring approximately 27 ft in length (east to west) at the widest point, be approximately 15 ft in width. The excavation varied in depth, from approximately 7 ft in the apparent worst case area, to less than 1 ft in depth in those areas where the contamination was found to be surficial. Free-product which collected at the bottom of the excavation was recovered using absorbent pads.

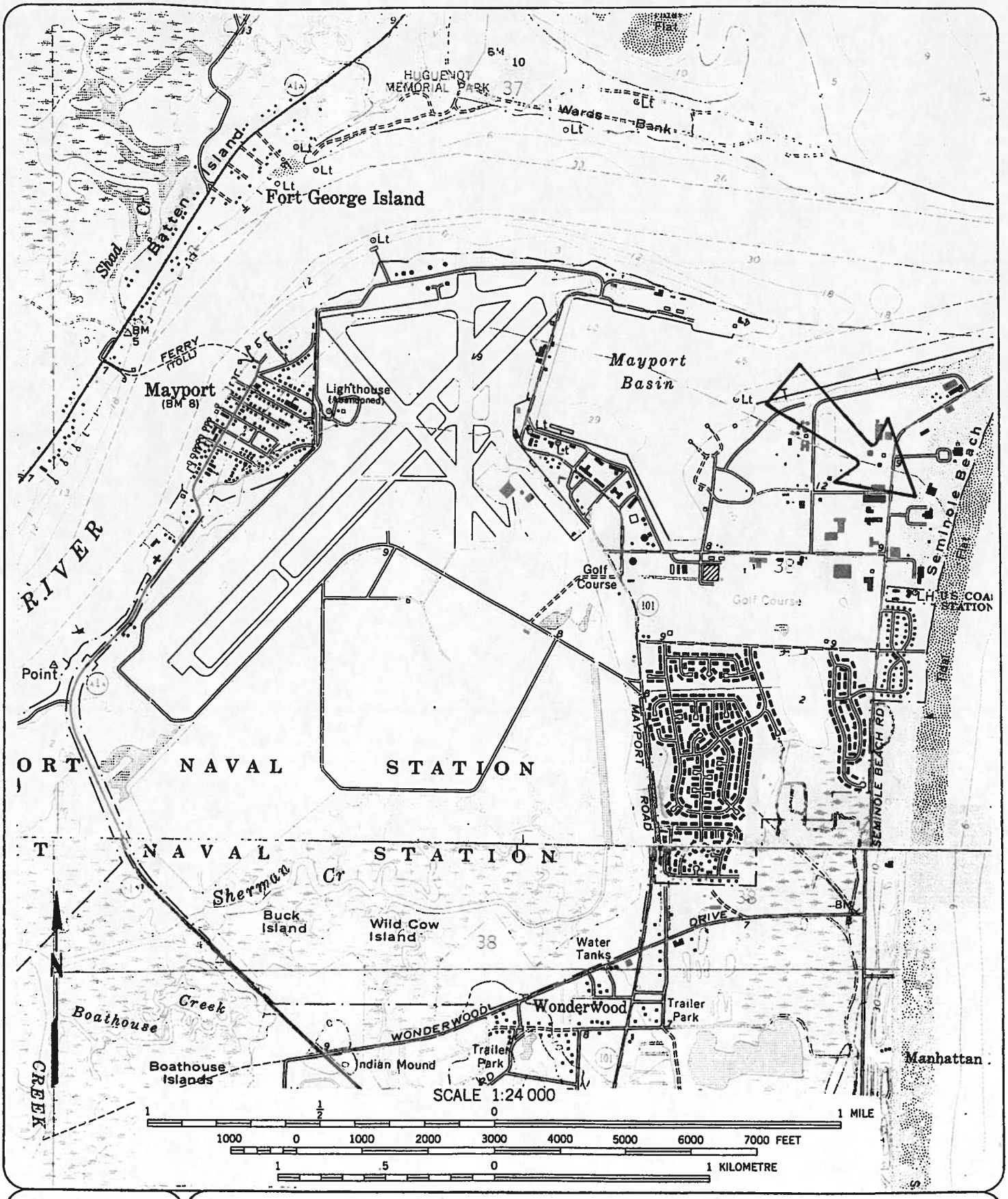
An estimated total of approximately 55 to 60 cubic yards (80.3 tons) of soil was excavated. These soils were staged on site, on top of, and covered with, 6-mil plastic sheeting, pending disposal. A composite soil sample was collected from the stockpiled soil for pre-burn laboratory analysis. The sample was delivered under chain-of-custody procedures to a FDEP-approved laboratory (VOC Analytical Laboratory, Inc.) for soil pre-burn analysis. The soil was loaded for transportation on 2/20/97 to a permitted soil thermal

treatment facility (Kadesh Asphalt, Inc. in Kingsland, Ga.) for disposal by thermal treatment/recycling. A copy of the laboratory pre-burn analysis as well as copies of the manifests documenting disposal of the contaminated soil are provided as Attachment B. Also attached are the results of the OVA soil screening, a site sketch indicating OVA soil sampling locations, and photodocumentation of the field activities. The area of excavation was backfilled to original grade using clean fill.

Respectfully submitted,
Coastal Science Associates, Inc.

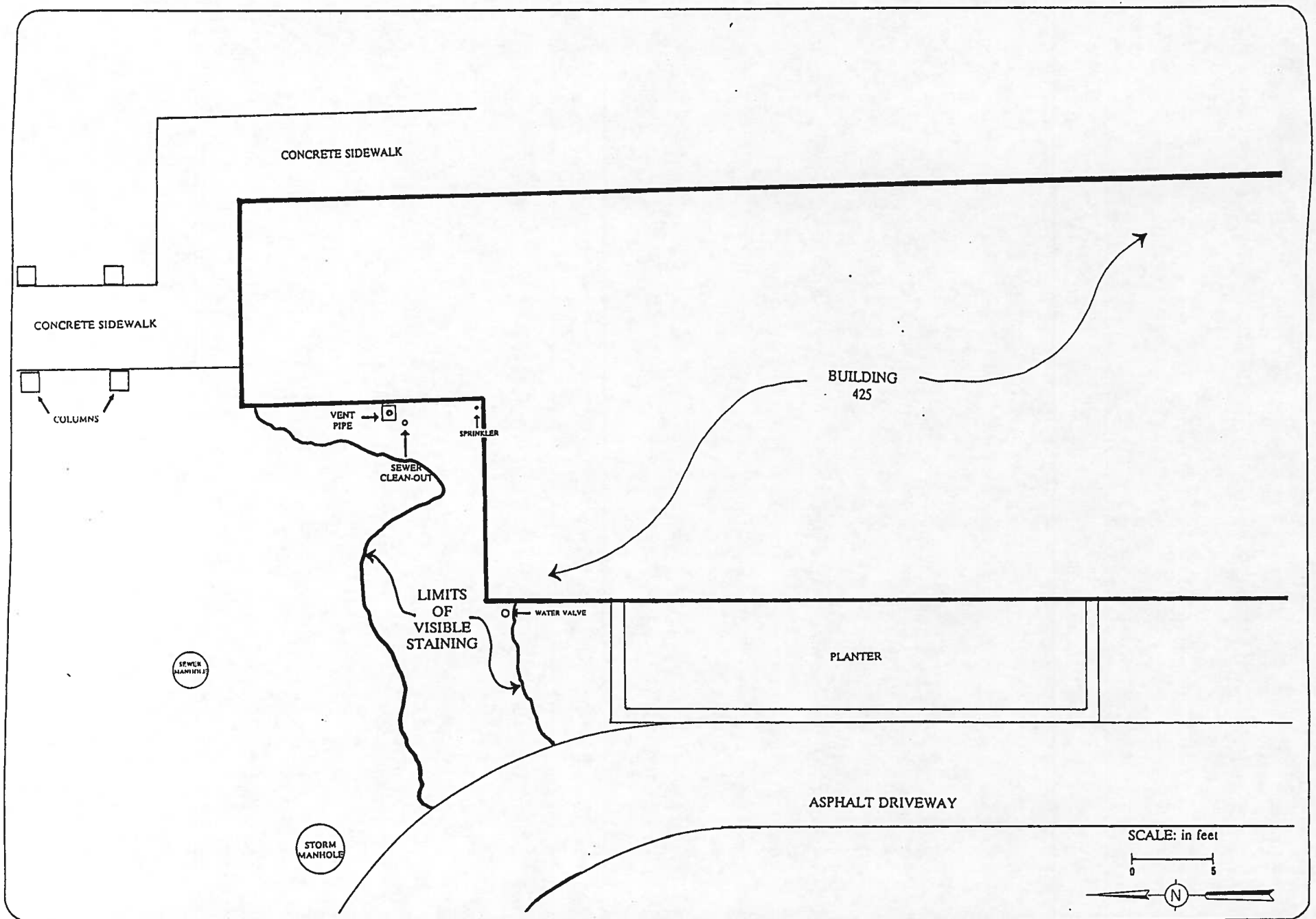
Richard Moriarty

Richard Moriarty
Environmental Scientist



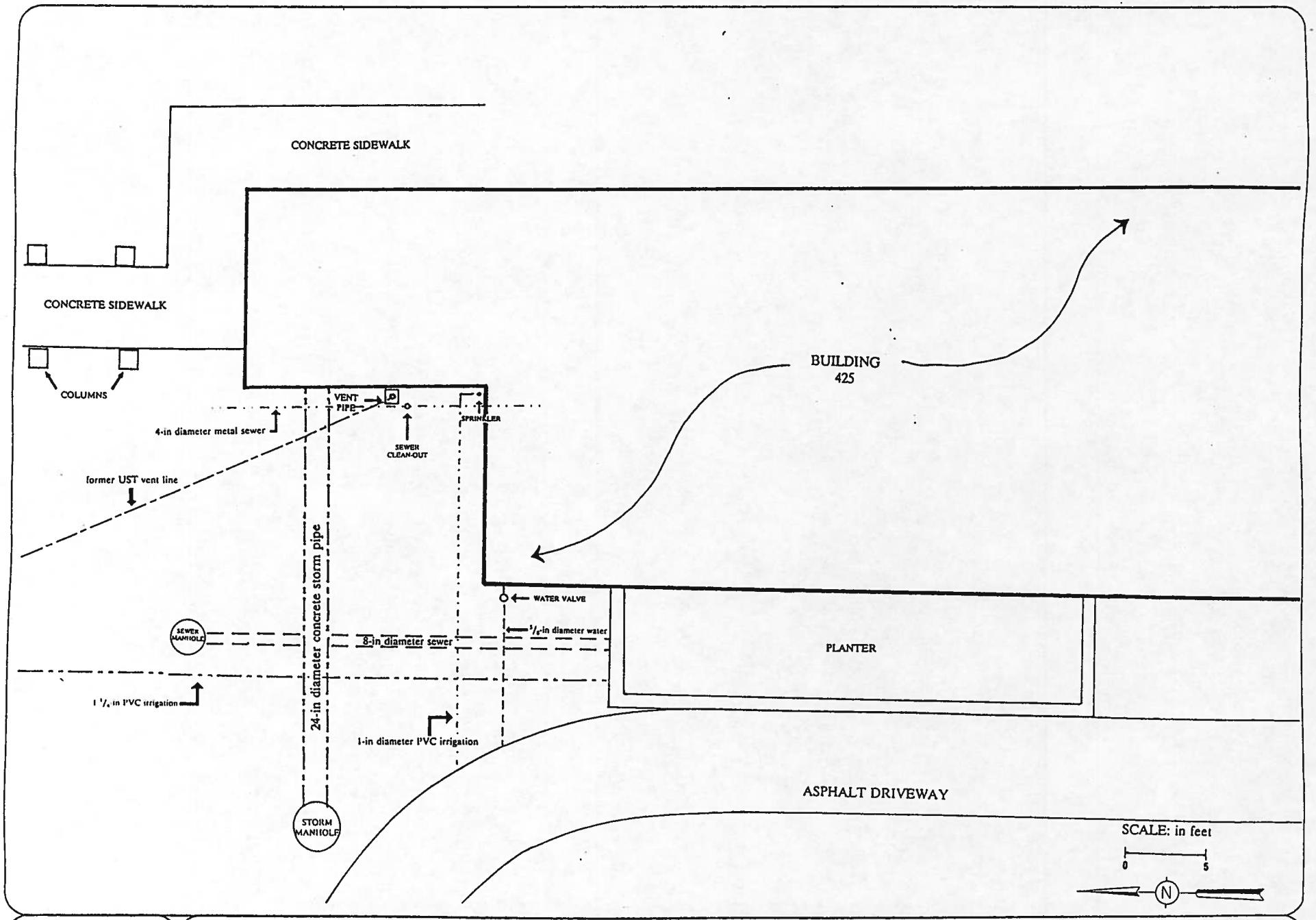
CSAi

Figure 1. Site Location Map - Diesel Fuel Spill Clean-Up
Building 425, Mayport Naval Station, Florida
USGS Topographic Map, Atlantic Beach Quadrangle



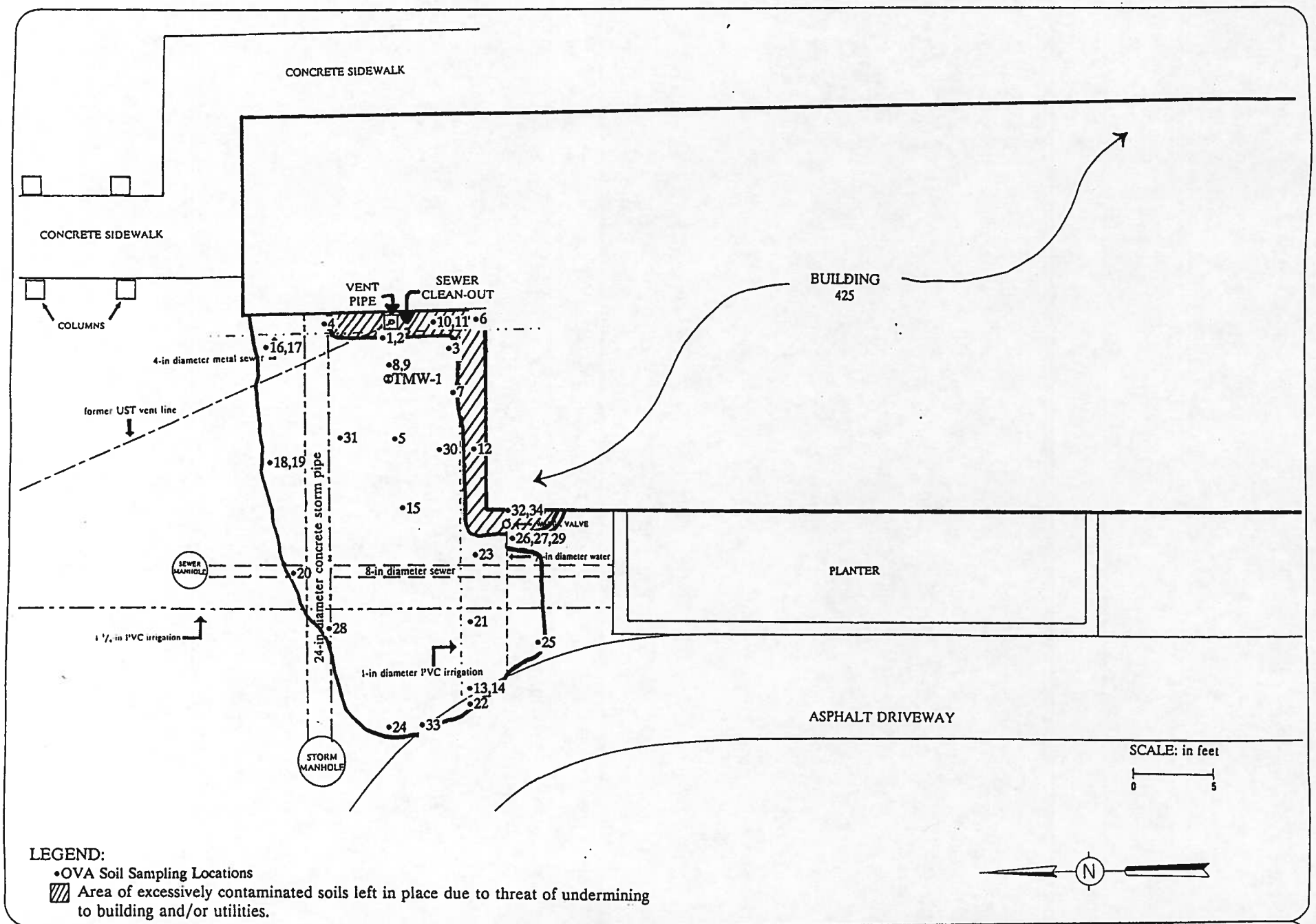
CSAi

Figure 2. Site Sketch Indicating Area of Discolored Soil
Diesel Fuel Spill Clean-Up
Building 425
Mayport Naval Station, Florida



CSAi

Figure 3. Site Sketch Indicating Location of U/G Utilities
Diesel Fuel Spill Clean-Up
Building 425
Mayport Naval Station, Florida



CSAi

Figure 4. Site Sketch Indicating OVA Soil Sampling Locations and Limits of Excavation
Diesel Fuel Spill Clean-Up
Building 425
Mayport Naval Station, Florida

Table 1. OVA SOIL SCREENING RESULTS
Diesel Fuel Spill Clean-Up
Building 425
Mayport Naval Station, Florida
February 4, 1997

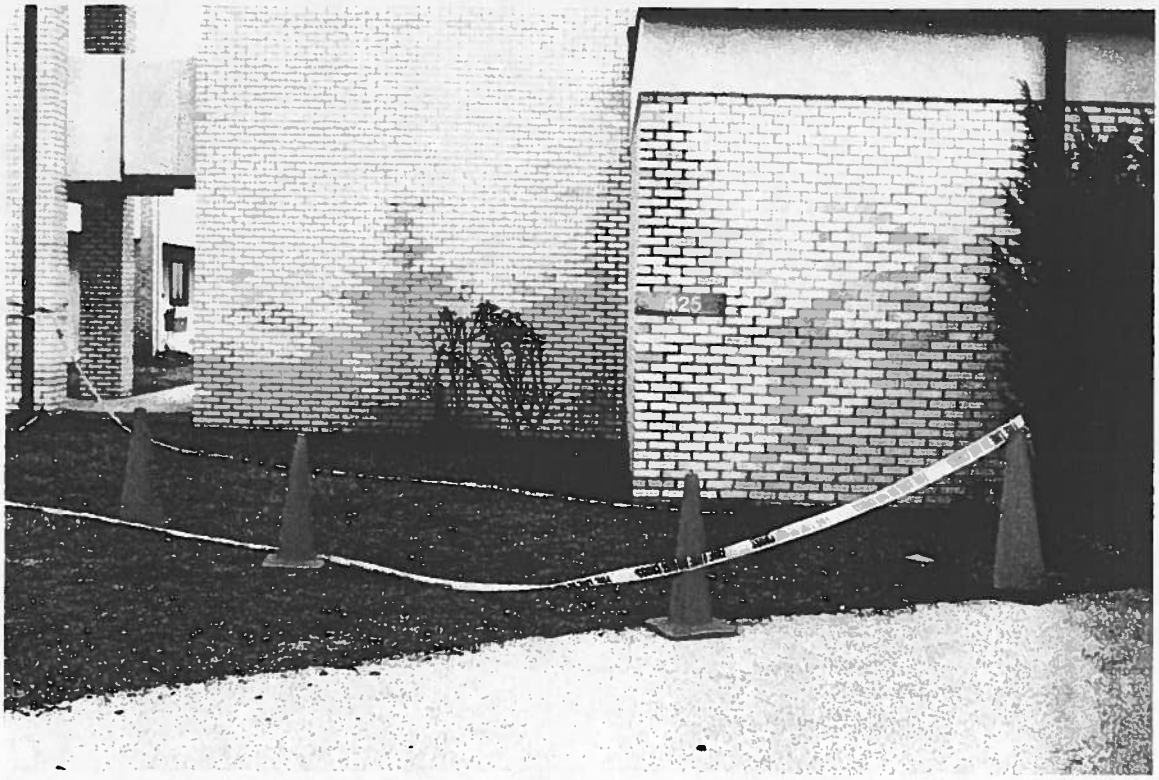
Sample I.D.	Sample Depth (below grade)	ORGANIC VAPOR CONCENTRATION (in parts per million) Unfiltered	Filtered	Total	Remarks
1	Surficial	380	0	380	NW side of vent pipe-apparent worst case area
2	2.0 ft	460	3.6	454	2.0ft below sample #1
3	1.0 ft	440	0	440	Adjacent to sprinkler line
4	0.5 ft	38	0	38	North wall of excavation
5	0.5 ft	105	0	105	8ft west of vent pipe
6	1.5 ft	620	0	620	Corner of building, near sprinkler
7	4.0 ft	470	0	470	
8	5.0 ft	>1000	0	>1000	Soil boring, 5ft west of vent pipe
9	7.0 ft	820	0	820	2ft below sample #8, top of water table
10	1.0 ft	9.4	0	9.4	East wall of excavation
11	4.0 ft	15	0	15	3ft below sample #10
12	3.0 ft	140	0	140	South wall, 6" under footer
13	0.5 ft	220	0	220	Edge of asphalt
14	1.25 ft	84	0	84	.75ft below sample #13 (continued excavating)
15	7.0 ft	580	0	580	Bottom, center of excavation, near water table
16	1.0 ft	0	0	0	North wall, NE corner
17	4.0 ft	1.4	0	1.4	3ft below sample #16
18	1.0 ft	8.4	0	8.4	North wall, center
19	4.0 ft	7.6	0	7.6	3ft below sample #18
20	2.0 ft	3.5	0	3.5	Top of 8" diameter pipe
21	1.5 ft	260	0	260	
22	2.0 ft	2.8	0	2.8	Edge of asphalt
23	3.0 ft	5.6	0	5.6	Below 8" pipe

(Table 1 continued)

Sample I.D.	Sample Depth (below grade)	ORGANIC VAPOR CONCENTRATION (in parts per million) Unfiltered	Filtered	Total	Remarks
24	3.0 ft	0.6	0	0.6	NW corner, at asphalt
25	2.0 ft	0	0	0	SW corner, at asphalt
26	0.5 ft	6.0	0	6.0	South wall, near water valve
27	2.0 ft	130	0	130	South wall, 1.5ft below sample #26
28	3.0 ft	4.8	0	4.8	North wall
29	3.0 ft	74	0	74	Below water valve, below sample #27
30	7.0 ft	640	0	640	South wall, at water table
31	7.0 ft	420	0	420	North wall, at water table
32	3.0 ft	480	0	480	Edge of building, below water main
33	0.5 ft	0	0	0	Edge of asphalt
34	4.5 ft	260	0	260	Edge of building, below water valve, discontinued excavation due to undermining of pipes, foundation.

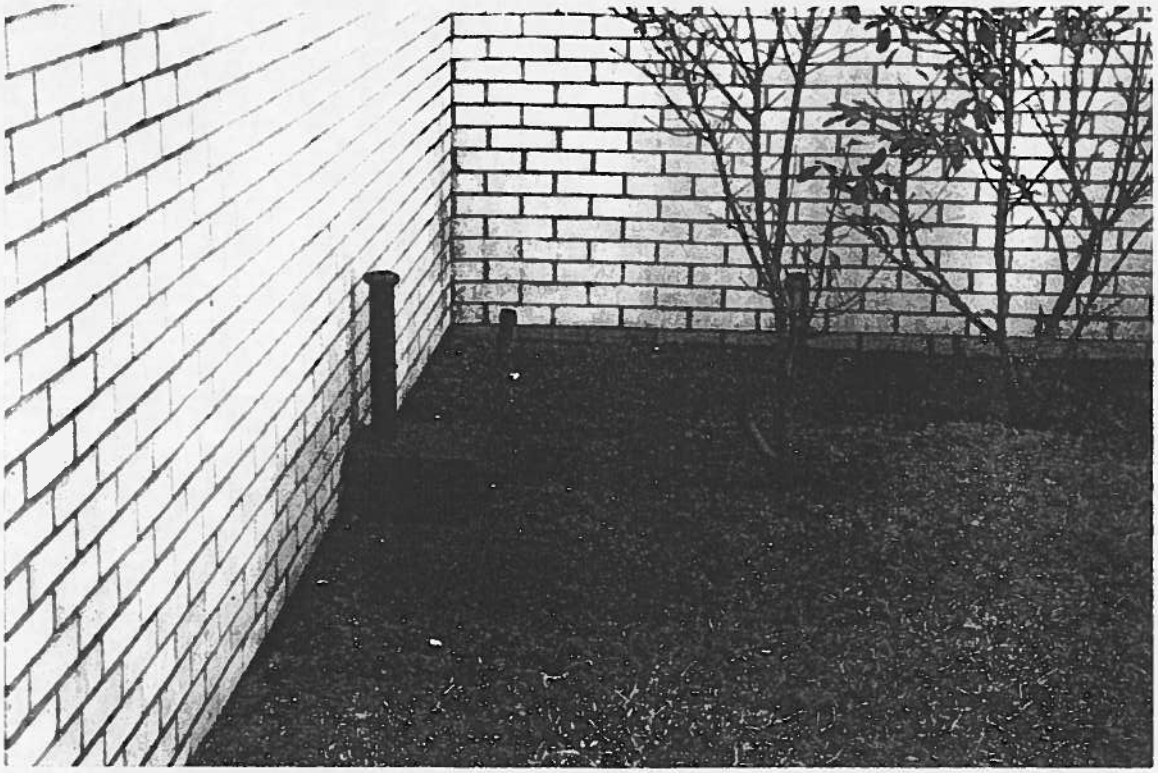
Field Meter: Foxboro 128 OVA/FID
Field Calibration Check: 11:55; 02/04/97
Description of Procedures: OVA Soil Headspace Analysis
Ambient Conditions: warm, partly cloudy, light breeze, NE 3-5 mph

1) Photograph, facing generally east, overlooking Building 425.

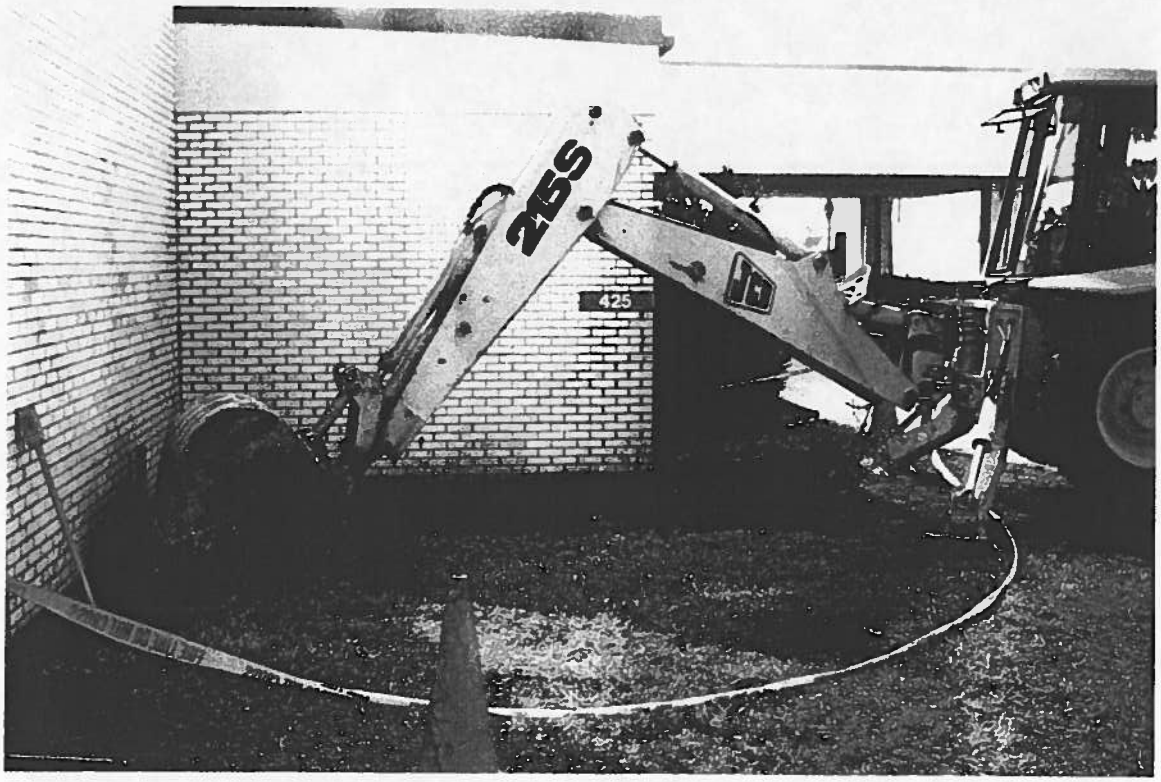


2) Photograph, facing generally east, overlooking fuel spill area.

Photodocumentation: Diesel Fuel Spill Clean-Up
Building 425
Mayport Naval Station, Florida
02/04/97



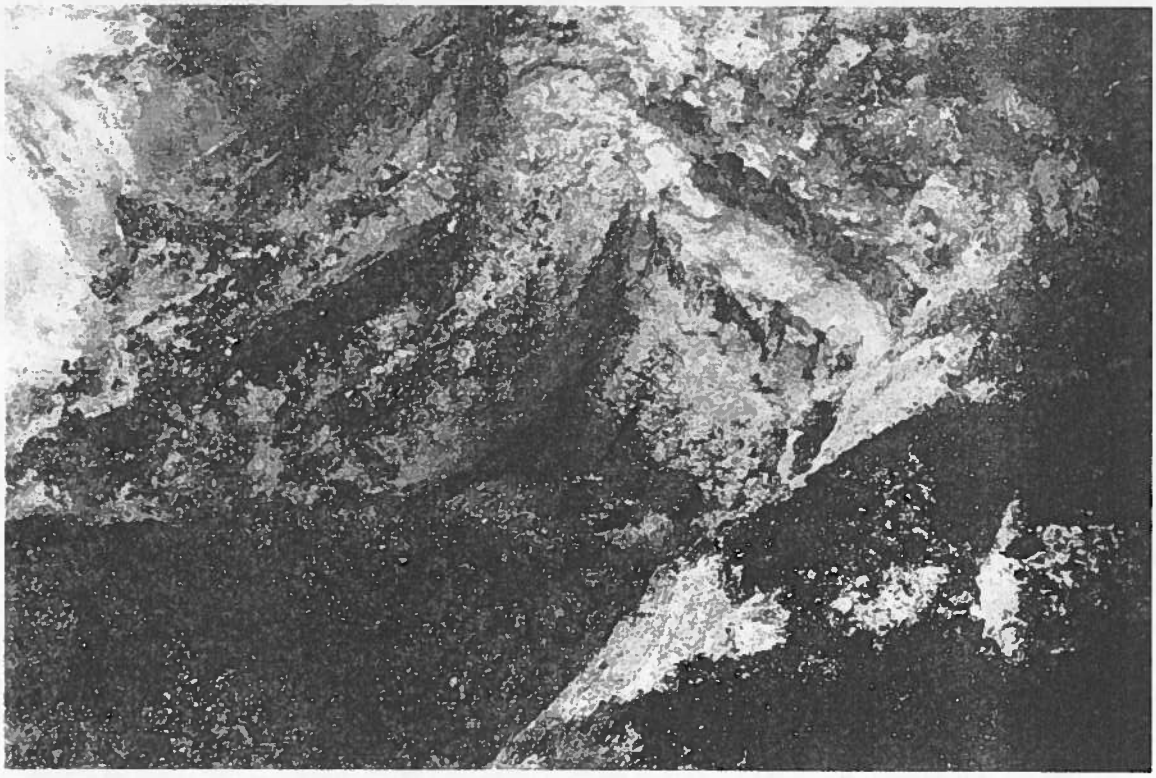
3) Photograph, facing generally south, overlooking vent pipe (apparent source of spill).



4) Photograph, facing generally south, overlooking initiation of excavation activities.

Photodocumentation: Diesel Fuel Spill Clean-Up
Building 425
Mayport Naval Station, Florida
02/04/97

5) Photograph overlooking excavation activities.



6) Photograph overlooking area of excavation with product evident at base of excavation.

Photodocumentation: Diesel Fuel Spill Clean-Up
Building 425
Mayport Naval Station, Florida
02/04/97

ATTACHMENT A

Laboratory Report
(Groundwater Analysis)

Our Quality Control Is Your Quality Assurance

Client #: JAX-93-120232
Address: Environmental Recovery, Inc.
251 Levy Road
P.O. Box 330569
Atlantic Beach, FL 32223-0569
Rick McLeod

Page: Page 1 of 2
Date: 02/17/97
Log #: L15509-1

Sample Description:

#4027 BLDG 425, Mayport Naval Station
Groundwater

Label: TMW-1
Date Sampled: 02/04/97
Time Sampled: 13:50
Date Received: 02/06/97
Collected By: CLIENT

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
[redacted]hydrocarbons							
Naphthalene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
2-Methylnaphthalene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
1-Methylnaphthalene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Acenaphthylene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Acenaphthene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Fluorene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Phenanthrene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Anthracene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Fluoranthene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Pyrene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Benzo(a)anthracene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Chrysene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Benzo(a)pyrene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	100	02/08	02/08	AG
Dilution Factor	100		3510/8270		02/08	02/08	AG
[redacted]							
Benzene	140	ug/l	EPA 602	100	02/08	02/08	ME
Chlorobenzene	BDL	ug/l	EPA 602	100	02/08	02/08	ME
1,2-Dichlorobenzene	BDL	ug/l	EPA 602	100	02/08	02/08	ME
1,3-Dichlorobenzene	BDL	ug/l	EPA 602	100	02/08	02/08	ME
1,4-Dichlorobenzene	BDL	ug/l	EPA 602	100	02/08	02/08	ME
Ethylbenzene	250	ug/l	EPA 602	100	02/08	02/08	ME
Toluene	490	ug/l	EPA 602	100	02/08	02/08	ME
Total Xylenes	1700	ug/l	EPA 602	100	02/08	02/08	ME
Total BTEX	2600	ug/l	EPA 602	100	02/08	02/08	ME

JAN,
These are ppb. #. [illegible]

So .140 ppm benzene.
.250 ppm. E benzene.
.49 ppm toluene.
1.7 ppm total xylene.
2.6 ppm BTEX.

[illegible]
12 MAR 97.

Be a NAVY ENERGY Player

Saving Energy Saves Dollars! NAVY

Client #: JAX-93-120232
Address: Environmental Recovery, Inc.
251 Levy Road
P.O. Box 330569
Atlantic Beach, FL 32223-0569
Rick McLeod

Page: Page 2 of 2
Date: 02/17/97
Log #: L15509-1

Sample Description:

#4027 BLDG 425, Mayport Naval Station
Groundwater

Label: TMW-1
Date Sampled: 02/04/97
Time Sampled: 13:50
Date Received: 02/06/97
Collected By: CLIENT

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
[illegible] (continued)							
MTBE	BDL	ug/l	EPA 602	100	02/08	02/08	ME
Dilution Factor	100		EPA 602		02/08	02/08	ME

BDL = Below Detection Limits
* Compounds are Screened Only, with an estimated detection limit.
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.
All analyses were performed within EPA holding times unless otherwise noted.
Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 9003760	HRS# E86240,86356	NC CERT# 444
SUB HRS# 86122,86109,E86040	ADEM ID# 40850	ND CERT# R-148
SC CERT# 96031	TN CERT# 02985	CT CERT# PH-0122
ELPRT# 13801	CA CERT# I-1068	USACE CERT
VA CERT# 00395	AZ CERT# AZ0529	MA CERT# M-FL449

Respectfully submitted,

Project Manager
L15509-1

BAR CODE

Chain of Custody Record

LAB USE ONLY

V.O.C. Log # _____

Login L # _____

V.O.C. Analytical Laboratories

Company Name: Environmental Recovery Inc

Address: 251 Levy Road

City: Atlantic Beach State: Fla Zip: 32

Attn: Mr Rick McLeod

Project Name / Number: Diesel Fuel Spill Cleanup Building 425, Mayport Naval Station ERI #

Sampler Name / Signature: R. M. Moriarty / CSAi

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters (Pres. Codes)	602 (E I)	610 (A, I)	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	TMW-1	2/4/97	13:50	GW	2x40m Vials		X				
2					1x1000ml Glass			X			
3											
4											Sample containers sealed
5											in 'Ziplock' type
6											Bags and placed
7											on WET ICE for transport (RM)
8											
9											
0											

Matrix Codes *

S	Soil Sediment	DW	Drinking Water
SW	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
WW	Waste Water	O	Other (Pleaes Specify)

Pres Codes *

A- none, I- Ice, B- HNO_3, O- Other, C- H_2SO_4, M- MeOH, D- NaOH, E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
#1	R. Moriarty	2/6/97	0800	[signature]	2/6/97	1700

QA/QC level

None ___ 1 ___ 2 ___ 3 ___ Other _____

T.A.T. Request

___ Standard

___ Rush Date Required _____

Temp Control: _____ °C

Page ___ of ___

V.O.C. Analytical Laboratories
11239-4 St. John's Industrial Parkway South
Jacksonville, FL 32246
(904) 645-9065 * Fax (904) 645-6808

C.O.C.# 003837

CLIENT COPY

CSAi Environmental, Inc. Field Log

ate: 2/4/97 Time: 13:30 Project Number: [illegible]

ite Location: Bldg 425 (BOQ) [illegible]

/ell Information:

/ell I.D. TMW-1 Depth of well (from TOC) 10.41 ft Depth to water 8.24 ft (6.93 ft)

elative to Mean Sea Level: Top of Casing (TOC) ft Static Water Level ft

/ell diameter 2" Well Volume: 0.35 gal (gal =Hr (0.163))

/ell construction: [illegible] Type of material: PVC

/ell type: background compliance intermediate Hot spot other

ongitude: Latitude: 10.4 - 8.24 = 2.17 x .163 = 0.35

urge Information:

urging eqpt: Teflon Bailer Purge rate: 0.5 Gal/min

urge Start time: 13:40 Well recharge rate: Good

olume	Gallons	pH	Conductivity	Temp (c)	Time	Other
1	0.35					
2	0.70	No Purged due To Free Product				
3	1.05					
4	1.40					
5	1.75					

ield Parameters: [illegible]

urge stop time: 13:45 Total gallons purged: 2.0 - 2.5

ample Information:

ample collection time: 13:50 Sample collected using: Teflon Bailer

rder of sampling	1	2	3	4	5	6
ample Parameters	602	610				
ample Containers	3x40ml vials	[illegible]				
H of preserved samples	HCL	UNP				
dditional preservative						

roduct noted: Yes Odor noted: Yes Color: [illegible] Turbidity: Slight

omments: [illegible] @ 13:20

ield Instrument Information:

nstruments used: N/A

alibration: pH 4.0 7.0 10.0 Conductivity: Time/date

mbient Conditions: Warm, partly cloudy, light breeze

ield Personnel(name/title): [illegible]

ample delivered to laboratory by: [illegible]

erson responsible for sample (signature): [illegible]

ATTACHMENT B

Soil Disposal Documentation
(Manifests, Weigh Tickets, Pre-burn Analysis)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 38097

2. Page 1 of 1

2/20/97

3. Generator's Name and Mailing Address
NAVAL STATION MAYPORT
BLDG 425 NAVSTA, MAYPORT
MAYPORT, FL 32228

4. Generator's Phone (904) 270-~~[illegible]~~ 6730

TRUCK # 712

5. Transporter 1 Company Name
PRITCHETT TRUCKING, INC.

6. US EPA ID Number
P R I T C H E T T

(904)353-3711

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDRSH ASPHALT INC
1871 EAST KING AVENUE PO BOX 1169
KINGSLAND, GA 31548

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

A. Transporter's Phone

B. Transporter's Phone

C. Facility's Phone (912)427-9674

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL	0 0 1	D T	0 0 0 1 7	Y
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
11.(a)

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CONTACT: ERI Inc ,- 24 Hour Emergency No. (904)241-2200. ERI Job#4027

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
JIM B. BOVIER	Jim B Bovier	02	20	97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
EDDIE JACKSON	Eddie Jackson	02	20	97

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

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #2

010683

Kedesh Soils & Asphalt

901 Highway 17 North
Kingsland, GA 31548
(912) 427-9674

11:25 02/20/97 TYCKET NO. 010678

712

TRUCKSHOWT. 63580 LBS TRANSPORTER Pritchett

TARU WT (M) 23500 LBS GENERATOR ERI

NET WT. 42080 LBS DRIVER Eddie Jackson

NET WT. 21.04 TON

SUSTOMER NUMBER: 9635

JOB NUMBUR: 011524

21.04

WEIGHMASTER

Weighers Signature Debbie Haas

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 28197

2. Page 1 of 1

2/20/97

3. Generator's Name and Mailing Address
NAVAL STATION MAYPORT
BLDG 425 NAVSTA, MAYPORT
MAYPORT, FL 32228

4. Generator's Phone (904) 270-~~7315~~ 6730

TRUCK # 708

5. Transporter 1 Company Name
PRITCHETT TRUCKING, INC.

6. US EPA ID Number
P R I T C H E T T

(904)353-3711

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH ASPHALT INC
1871 EAST KING AVENUE PO BOX 1169
KINGSLAND, GA 31548

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

A. Transporter's Phone

B. Transporter's Phone

C. Facility's Phone (912)427-9674

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL	0 0 1	D T	0 0 0 1 7	Y
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
11.(a)

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CONTACT: ERI Inc ,- 24 Hour Emergency No. (904)241-2200. ERI Job#4027

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: JAN B. BOVIER
Signature: Jan B Bovier
Month 02 Day 20 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert Rowell
Signature: Robert Rowell
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name
Signature
Month Day Year

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #2

010692

Kedesh Soils & Asphalt

901 Highway 17 North
Kingsland, GA 31548
(912) 427-9674

TICKET NO. 010692

12:04 02/20/97

TRUCK NO. 708
GROSS WT. 40280 LBS TRANSPORTER Pritchett
TARE WT (M) 21440 LBS GENERATOR ERI
NET WT. 36840 LBS DRIVER RHowell
NET WT. 18.41 TON

CUSTOMER NUMBER: 9635

JOB NUMBER: 011584

18.41

WEIGHMASTER

Weighers Signature Debbie Haas

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 58297

2. Page 1 of 1

2/20/97

3. Generator's Name and Mailing Address
NAVAL STATION MAYPORT
BLDG 425 NAVSTA, MAYPORT
MAYPORT, FL 32228

4. Generator's Phone (904) 270-~~7915~~ 6720

TRUCK # 774

5. Transporter 1 Company Name
PRITCHETT TRUCKING, INC.

6. US EPA ID Number
P R I T C H E T T

(904) 353-3711

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH ASPHALT INC
1871 EAST KING AVENUE PO BOX 1169
KINGSLAND, GA 31548

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

A. Transporter's Phone

B. Transporter's Phone

C. Facility's Phone ~~(912) 427-9674~~

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL	0 0 1	D 1	0 0 0 1 7	Y
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
11. (a)
clean-up load

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CONTACT: ERI Inc ,- 24 Hour Emergency No. (904)241-2200. ERI Job#4027

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: JAN B BOVIER
Signature: Jan B Bovier
Month 02 Day 20 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Chester Dunmore
Signature: Chester Dunmore
Month 2 Day 20 Year 97

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

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #2

010706

Kedesh Soils & Asphalt

901 Highway 17 North
Kingsland, GA 31548
(912) 427-9674

13:33 02/20/97

TICKET NO. 010701

TRUCK NO. 774
GROSS WT. 63200 LBS
TARE WT (1) 23100 LBS
NET WT. 40100 LBS
NET WT. 20.05 TON
CUSTOMER NUMBER: 9625
JOB NUMBER: 011324

TRANSPORTER Pritchett
GENERATOR ERI
DRIVER [illegible]

Cleanup Load

WEIGHMASTER
Weighers Signature [illegible]

20.05

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 579977

2. Page 1 of 1

2/20/97

3. Generator's Name and Mailing Address
NAVAL STATION MAYPORT
BLDG 425 NAVSTA, MAYPORT
MAYPORT, FL 32228

4. Generator's Phone (904) 270-~~7773~~ 6730

TRUCK # 715

5. Transporter 1 Company Name
PRITCHETT TRUCKING, INC.

6. US EPA ID Number
P R I T C H E T T

(904)353-3711

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
KEDESH ASPHALT INC
1871 EAST KING AVENUE PO BOX 1169
KINGSLAND, GA 31548

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

A. Transporter's Phone

B. Transporter's Phone

C. Facility's Phone (912)427-9674

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. PETROLEUM CONTAMINATED SOIL	0 0 1	D T	0 0 0 1 7	Y
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
11.(a)

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CONTACT: ERI Inc ,- 24 Hour Emergency No. (904)241-2200. ERI Job#4027

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: JAN B BOVIER
Signature: J. B. Bovier
Month 02 Day 20 Year 97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Grady Jackson
Signature: G J
Month . Day . Year .

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month . Day . Year .

19. Discrepancy Indication Space

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

Printed/Typed Name
Signature
Month . Day . Year .

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #2

010682

Kedesh Soils & Asphalt

901 Highway 17 North
Kingsland, GA 31548
(912) 427-9674

DATE: 02/20/97 TICKET NO. 010677

TRUCK NO. 715
GROSS WT. 63600 LBS TRANSPORTER Pritchett
TARE WT (1) 22000 LBS GENERATOR ERI
NET WT. 41600 LBS DRIVER Hardy Jackson
NET WT. 20.80 TON

CUSTOMER NUMBER: 9635

JOB NUMBER: 011524

20.80

WEIGHMASTER

Weighers Signature Debbie Haas

Our Quality Control is Your Quality Assurance

Client #: JAX-93-120232
Address: Environmental Recovery, Inc.
251 Levy Road
P.O. Box 330569
Atlantic Beach, FL 32223-0569
Rick McLeod

Page: Page 1 of 2
Date: 02/18/97
Log #: L15508-1

Sample Description:

BLDG 42S, MAYPORT NAVAL STATION
4027 SOIL ANALYSIS

Label: SOIL PREBURN COMP
Date Sampled: 02/04/97
Time Sampled: 18:00
Date Received: 02/06/97
Collected By: CLIENT

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
[redacted]							
Arsenic	BDL	mg/l	1311/6010	0.10	02/07	02/10	PVP
Barium	3.1	mg/l	1311/6010	0.10	02/07	02/10	PVP
Cadmium	BDL	mg/l	1311/6010	0.10	02/07	02/10	PVP
Chromium	BDL	mg/l	1311/6010	0.10	02/07	02/10	PVP
Lead	BDL	mg/l	1311/6010	0.10	02/07	02/10	PVP
Mercury	BDL	mg/l	1311/7470	0.010	02/07	02/11	PVP
Selenium	BDL	mg/l	1311/6010	0.10	02/07	02/10	PVP
Silver	BDL	mg/l	1311/6010	0.10	02/07	02/10	PVP
[redacted]ydrocarbons							
Naphthalene	250	mg/kg	3550/8270	1.0	02/08	02/08	AG
2-Methylnaphthalene	1100	mg/kg	3550/8270	1.0	02/08	02/08	AG
1-Methylnaphthalene	500	mg/kg	3550/8270	1.0	02/08	02/08	AG
Acenaphthylene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Acenaphthene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Fluorene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Phenanthrene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Anthracene	170	mg/kg	3550/8270	1.0	02/08	02/08	AG
Fluoranthene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Pyrene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Benzo(a)anthracene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Chrysene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Benzo(b)fluoranthene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Benzo(k)fluoranthene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Benzo(a)pyrene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Dibenzo(a,h)Anthracene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Indeno(1,2,3-c,d)pyrene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Benzo(g,h,i)perylene	BDL	mg/kg	3550/8270	1.0	02/08	02/08	AG
Dilution Factor	10		3550/8270		02/08	02/08	AG

Client #: JAX-93-120232
Address: Environmental Recovery, Inc.
251 Levy Road
P.O. Box 330569
Atlantic Beach, FL 32223-0569
Rick McLeod

Page: Page 2 of 2
Date: 02/18/97
Log #: L15508-1

Sample Description:

BLDG 425, MAYPORT NAVAL STATION
4027 SOIL ANALYSIS

Label: SOIL PREBURN COMP
Date Sampled: 02/04/97
Time Sampled: 18:00
Date Received: 02/06/97
Collected By: CLIENT

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
[illegible]							
Benzene	BDL	mg/kg	EPA 602	25	02/15	02/15	ME
Chlorobenzene	BDL	mg/kg	EPA 602	25	02/15	02/15	ME
1,3-Dichlorobenzene	BDL	mg/kg	EPA 602	25	02/15	02/15	ME
1,4-Dichlorobenzene	BDL	mg/kg	EPA 602	25	02/15	02/15	ME
1,2-Dichlorobenzene	BDL	mg/kg	EPA 602	25	02/15	02/15	ME
Ethylbenzene	BDL	mg/kg	EPA 602	25	02/15	02/15	ME
Toluene	BDL	mg/kg	EPA 602	25	02/15	02/15	ME
Total Xylenes	25	mg/kg	EPA 602	25	02/15	02/15	ME
Total BTEX	25	mg/kg	EPA 602	25	02/15	02/15	ME
MTBE	BDL	mg/kg	EPA 602	25	02/15	02/15	ME
Dilution Factor	500		EPA 602		02/15	02/15	ME
[illegible]							
Total Petroleum Hydrocarbon	6400	mg/kg	9073	50	02/14	02/14	INO

BDL = Below Detection Limits
* Compounds are Screened Only, with an estimated detection limit.
All analyses were performed using EPA, ASTM, USDS, or Standard Methods.
All analyses were performed within EPA holding times unless otherwise noted.
Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 900376G
SUB NRS# 86122,86109,E86045
SC CERT# 96031
ELPAT# 13801
VA CERT# 00395

NRS# E86240,86356
ADEM ID# 40850
TN CERT# 02985
CA CERT# I-1068
AZ CERT# AZ0529

NC CERT# 444
ND CERT# R-148
CT CERT# PH-0122
USACE CERT
MA CERT# M-FL449

Respectfully submitted,

Project Manager
L15508-1

BAR CODE

Chain of Custody Record

LAB USE ONLY

V.O.C. Log # _____

Login L # _____

V.O.C. Analytical Laboratories

Company Name: Environmental Recovery, Inc

Address: 251 Levy Road

City: Atlantic Beach State: Fla Zip:

Attn: Mr Rick McLeod

Project Name / Number: 8271 Diesel Fuel Spill Cleanup Bldg 425, Mayport Naval Sta

Sampler Name / Signature: R Moriarty / CSA

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters (Pres Codes)	8020	8100	RCRA Metals											Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
#1	So Preburn Composite	2/4/97	1800	S	1x 250ml Glass																	
2																						
3																						
4																						- Sample containers sealed
5																						in ziploc type
6																						ongs two placed
7																						on wet ice
8																						transport (RA)
9																						
0																						

Matrix Codes *

S	Soil Sediment	DW	Drinking Water
SW	Solid Waste	SW	Surface Water
GW	Ground Water	OL	Oil
EFF	Effluent	SL	Sludge
WW	Waste Water	O	Other (Pleaes Specify)

Pres Codes **

A- none I- Ice
B- HNO_3 O- Other
C- H_2SO_4 M- MeOH
D- NaOH
E- HCl

Item	Relinquished by	Date	Time	Received by	Date	Time
#1	R Moriarty	2/6/97	0800	[signature]	2/6/97	1700

QA/QC level

None ___ 1 ___ 2 ___ 3 ___ Other _____

T.A.T. Request

___ Standard

___ Rush Date Required _____

Temp Control: _____ °C

Page ____ of ____

V.O.C. Analytical Laboratories
11239-4 St. John's Industrial Parkway South
Jacksonville, FL 32246
(904) 645-9065 * Fax (904) 645-6808

C.O.C.# 003840

CLIENT COPY