

018

ENCOM
ASSOCIATES, INC.

TANK EXCAVATION ASSESSMENT
MIDWAY SERVICE STATION
610 EAST ELIZABETH STREET
ELIZABETH CITY, PASQUOTANK COUNTY

JULY 7, 1993

PREPARED FOR:

JERRY KELLY, INC.

PREPARED BY:

ENCOM ASSOCIATES, INC.
RALEIGH, NORTH CAROLINA

ENCOM ASSOCIATES, INC.

7309 Ridge Grove Ct • Raleigh, NC 27615 • (919) 676-7898

July 7, 1993

Tank Excavation Assessment Report
Midway Service Station
610 East Elizabeth Street
Elizabeth City, Pasquotank County

Mr. Jerry Kelly
Jerry Kelly, Inc.
111 Hunters Trail West
Elizabeth City, NC 27909

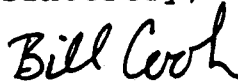
Dear Mr. Kelly,

ENCOM Associates, Inc. is pleased to submit the final Tank Excavation Assessment Report for the above referenced project.

Included in this report is a narrative text describing the closure activities, sampling information, analytical results, and site maps per 15A NCAC 2N.

ENCOM Associates, Inc. appreciates the opportunity to be of service to Jerry Kelly, Inc. If there are any questions, or any additional information is needed, please contact us immediately.

Sincerely,



Bill Cook
Project Manager

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I. INTRODUCTION

This is the Tank Excavation Assessment Report for the closure of five (5) underground storage tanks (USTs) at Midway Service Station in Elizabeth City, North Carolina. This site and the USTs are owned by Thomas G. Skinner and was operated as a retail store. Three (3) of the USTs were removed, while two (2) of the USTs were closed-in-place, because they are located between the concrete pilings under the existing site.

The site is located along East Elizabeth St. in Elizabeth City. The property consists of a closed service station and is covered by concrete. The property is flat, as is the regional topography. The site is situated along a drainage lagoon, which feeds directly into the Pasquotank River approximately 250 feet away.

The adjacent property owners consist primarily of retail occupants. Another UST facility is located on the opposite side of Main Street. Previous UST facilities, with documented releases, are located on at least three (3) adjacent properties. All properties in the area are served by public water supply.

II. EXCAVATION PROCESS

The removal and closure of the USTs was conducted by Jerry Kelly, Inc. of Elizabeth City, NC on May 18, 1993. The excavation was conducted using a rubber tire backhoe.

After removing the concrete on top of the USTs, the contractor then began removing the native sand backfill from around the USTs. The backfill material that was excavated was temporarily stockpiled on the concrete along the east side of the building. After sufficient quantities of the backfill material were removed, the fill pipes, vent lines, and drain lines were disconnected from the USTs and they were lifted from the excavation by placing a chain through the lifting eye in the top of each tank.

After the USTs were removed, the remaining backfill material was moved within the excavation to allow soil samples to be taken in the native soil beneath the USTs. Upon completion of the sampling, the excavated backfill material was placed in the excavations and brought to grade with sand. Backfill excavation and removal was held to a minimum due to the results of the borings performed prior to the UST excavation and the knowledge of local releases.

III. TANK CONDITION

One (1) 2,000 gallon fiberglass-coated single-wall steel UST, used to store unleaded gasoline, and one (1) 1,000 gallon single-wall steel UST, used to store unleaded gasoline, were removed from the excavation along the east side of the building. One (1) 550 gallon single-wall steel UST, used to store used oil, was removed from the excavation in front of the service bays. Two (2) 2,000 gallon single-wall steel USTs, used to store unleaded gasoline, were closed-in-place by filling them with concrete slurry. The orientation of these USTs are shown in Figure 2.

All of the USTs appeared to be in good condition, but did show signs of spill and overflow at the fill pipes, especially the used oil UST. Once their condition was assessed, the USTs were taken to Jerry Kelly, Inc. property in Elizabeth City, NC for disposal.

Groundwater was not encountered in the UST excavation at a depth of approximately 10 feet below ground surface due to a retaining wall constructed beneath the property. The water level in the adjacent lagoon was approximately 6 feet below site grade. Throughout the entire removal process, no releases were noted from the USTs.

IV. SAMPLE COLLECTION PROCESS

Prior to UST excavation, two (2) borings were installed by Petrochem to determine the condition of the site soils. The results of these borings are contained in Table 2.

During the UST removal, the native soils from the excavation were collected and screened in accordance with NC DEM guidelines. Each sample was collected using a clean stainless steel sampling spoon and split evenly to perform photoionization screening with a Gastech hydrocarbon sensor, while the other half was preserved for possible analytical testing.

The soil samples retrieved from the backhoe bucket were visually inspected by a field engineer. The samples to be scanned with the Gastech hydrocarbon sensor were placed in glass jars to approximately one-half full and covered with aluminum foil for sealing purposes. The jars were then placed out of direct sunlight for approximately twenty (20) minutes to allow the soil vapors time to reach equilibrium. After sufficient time had elapsed, the probe of the Gastech sensor was inserted into the head space of each jar and the vapor concentration was measured and recorded. The results of this scanning are contained in Table 1.

Upon completion of the field scanning, soil samples were taken from two (2) feet below the USTs in native soil per NC DEM protocol. The samples were placed into separate glass jars with Teflon-lined screw-on lids using a clean sampling spoon. These jars were then placed on ice in an insulated cooler and shipped to REIC Laboratory, in Beaver, WV on May 18, 1993.

All of the samples were tested for Total Petroleum Hydrocarbons (TPH) by GC using EPA method 5030, while the sample from beneath the used oil UST was tested for TPH (Oil & Grease) using EPA Method 9071. The results of the laboratory analysis are shown in Table 2, while the exact sampling locations are shown in Figure 3.

V. CONCLUSIONS

The results of the soil screening and analytical testing show that hydrocarbon constituents are found to be present in the residual soils at this site. The hydrocarbon presence in the soils was encountered in the UST excavations and pump island area.

The results in Table 1 show that the Gastech hydrocarbon sensor measured a hydrocarbon presence in all of the samples taken from the UST excavations.

The results in Table 2 show that there is soil impact within the limits of the UST excavation. The samples taken in the excavation and from the borings show hydrocarbon levels above the target levels calculated through the Site Sensitivity Evaluation (SSE) for this site.

During the excavation process, it was determined that overexcavation of the area was not feasible due to the extent of soil impact and the difficulty in determining the impact the adjacent properties have had on the site. It should also be noted that the drainage lagoon adjacent to the site appeared to contain a great deal of trash, and at times showed a rainbow sheen.

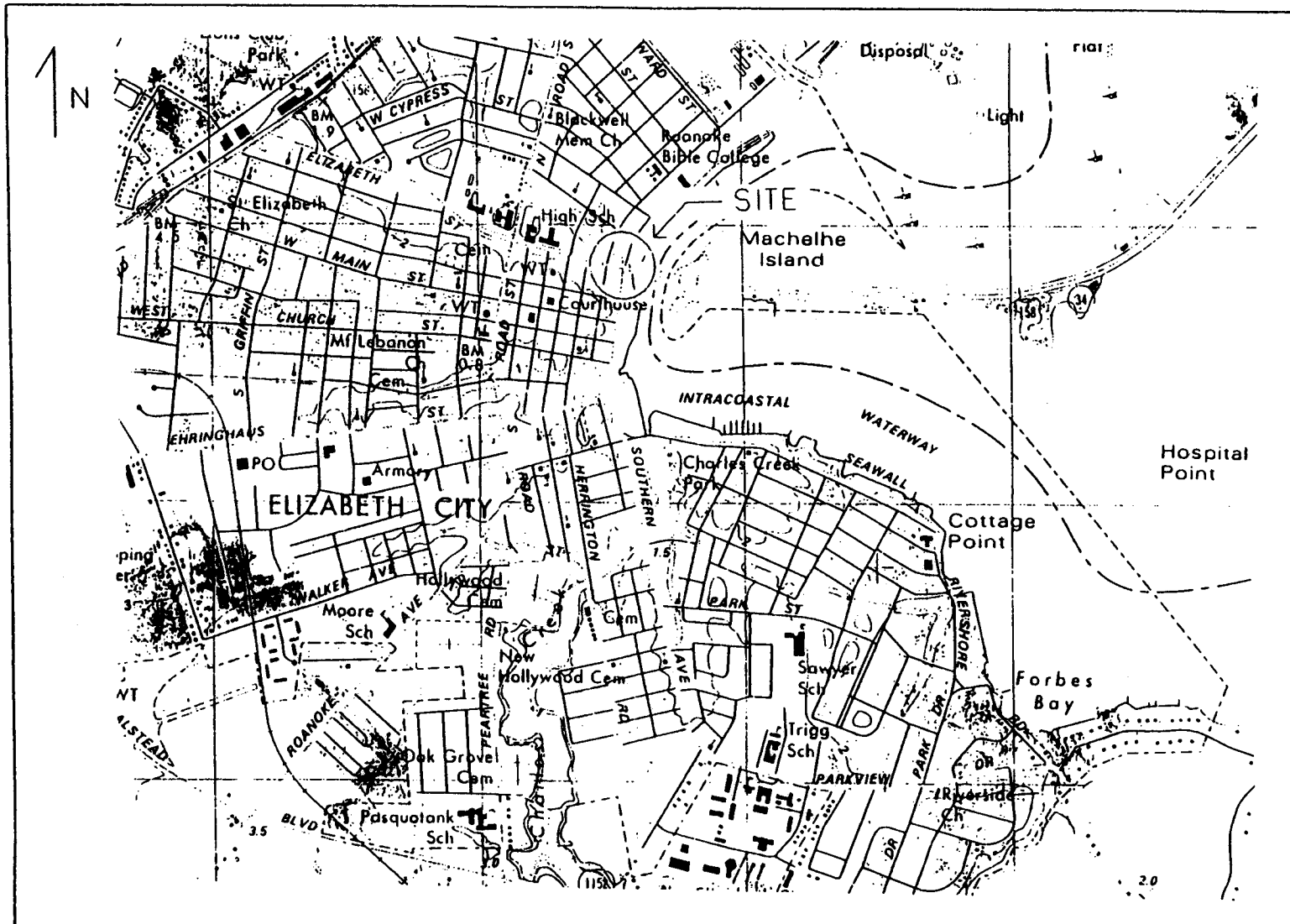
VI. LIMITATIONS

This report was prepared for Jerry Kelly, Inc. and Thomas G. Skinner to assist in the assessment of this site. This report has been prepared in accordance with standard NC DEM criteria, and no warranties, either expressed, or implied, are made.

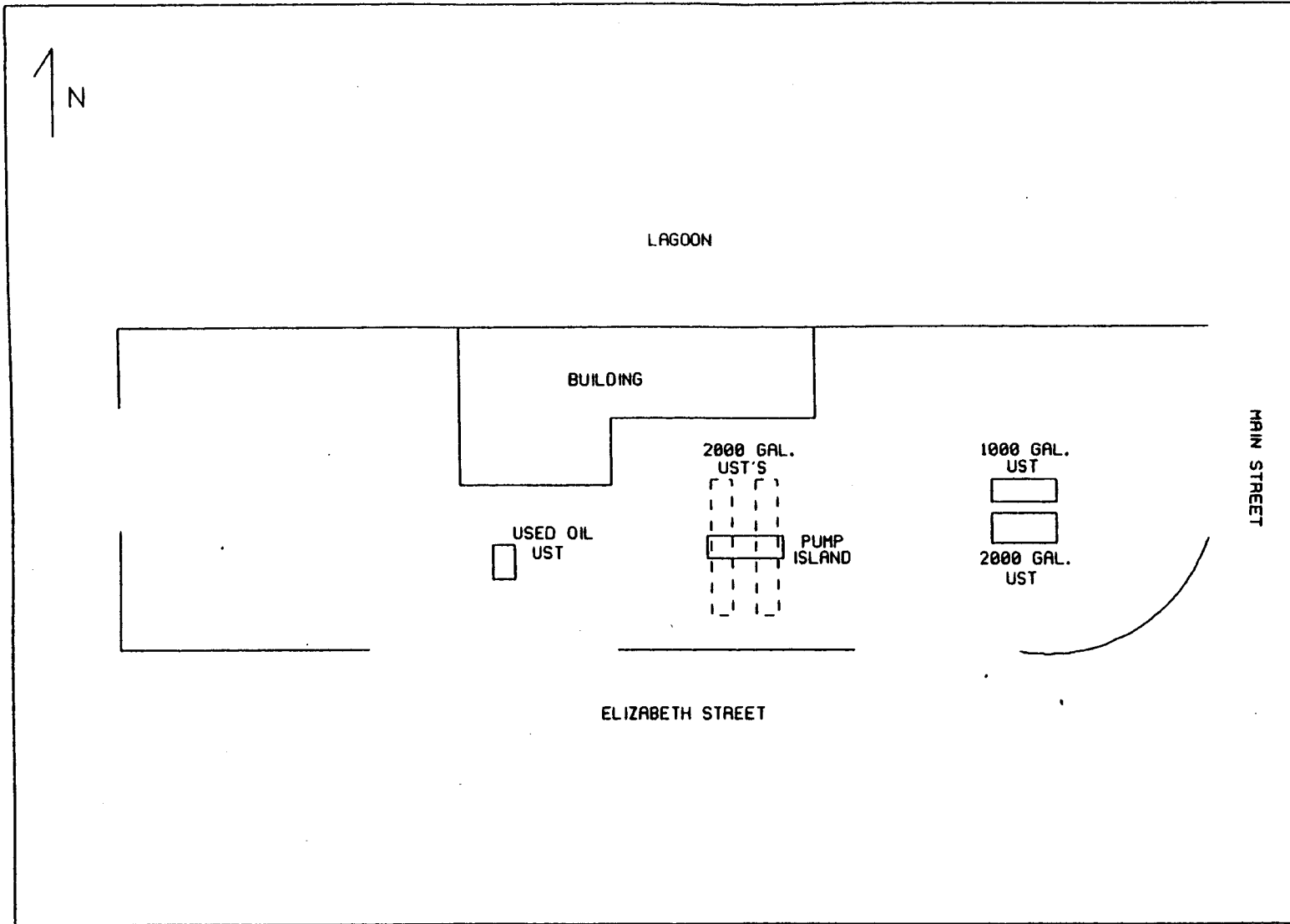
Page 4

Observations presented in this report are based upon information and data obtained from the excavations made, and borings performed, in the locations shown in Figure 3. Variations which exist may not become evident until a later date. If variations are noted, our company should be contacted to re-examine the site and revise documentation as necessary.

FIGURES



USGS MAP - ELIZABETH CITY			
MIDWAY SERVICE STATION		SCALE	DRAWN: WWC
610 E. ELIZABETH ST. ELIZABETH CITY, NC		1" = 2000'	CHECKED: WWC
		DATE:	JOB NUMBER
		7/7/93	JKMWSSEC
			FIGURE NUMBER
			1



SITE MAP			
MIDWAY SERVICE STATION	SCALE	DRAWN: WWC CHECKED: WWC	JOB NUMBER JKMWSSEC
610 E. ELIZABETH ST. ELIZABETH CITY, NC	1" = 30'	DATE: 7/7/93	FIGURE NUMBER 2

TABLES

TABLE 1
SOIL SCANNING RESULTS (ppm)
MIDWAY SERVICE STATION

SAMPLE #	DEPTH (in.)	RESULTS
S-1	96	820
S-2	96	1000+
S-3	112	760
S-4	112	1000+
S-5	90	420

TABLE 2
 SOIL ANALYTICAL RESULTS (ppm)
 MIDWAY SERVICE STATION

SAMPLE #	DATE	DEPTH (in.)	EPA METHOD	RESULTS
B-1	3/19	48	5030	541
B-2	3/19	48	3550	1000
S-1	5/18	96	5030	230
S-2	5/18	96	5030	1350
S-3	5/18	112	5030	5.9
S-4	5/18	112	5030	357
S-5	5/18	90	9071	17300

APPENDICES

Table 1
Site Sensitivity Evaluation (SSE)
 Site Characteristics Evaluation (Step 1)

Characteristic	Condition	Rating	
Grain Size*	Gravel	150	100
	Sand	100	
	Silt	50	
	Clay	0	
Are relict structures, sedimentary structures, and/or textures present in the zone of contamination and underlying "soils"?	Present and intersecting the water table.	10	10
	Present but <u>not</u> intersecting the water table.	5	
	None present.	0	
Distance from location of deepest contaminated soil** to water table.	0 - 5 feet	20	20
	(C, D & <u>E</u> sites only)	20	
	5 - 10 feet	10	
	>10 - 40 feet	0	
	> 40 feet	0	
Is the top of bedrock or transmissive indurated sediments located above the water table?	Yes	20	0
	No	0	
Artificial conduits present within the zone of contamination.	Present and intersecting the water table.	10	5
	Present but <u>not</u> intersecting the water table.	5	
	Not present.	0	

Total Site Characteristics Score: 135

* Predominant grain size based on Unified Soil Classification System or U.S. Dept. of Agriculture Soil Classification Method.

** (>10 ppm TPFH by Method 5030; >40 ppm TPFH by Method 3550; >250 ppm O&G by Method 9071)


Table 2

Site Sensitivity Evaluation (SSE)


Initial Cleanup Level
(Step 2)

Final Cleanup Level
(Step 3)


EPA Method 5030 for Low Boiling Point Hydrocarbons such as Gasoline, Aviation Fuels, Gasohol

Total Site Characteristics Score	Initial Cleanup Level TPFH (ppm)	Select Site Category*	Category A & B (Multiply initial cleanup level by 1)	Final Cleanup Level
>150	≤10	Select Site Category* 	1 x _____ = _____ ppm	
121-150	20		Category C & D (Multiply initial cleanup level by 2)	2 x _____ = _____ ppm
91-120	40			
61-90	60		Category E (Multiply initial cleanup level by 3)	3 x <u>20</u> = <u>60</u> ppm
31-60	80			
0-30	100			

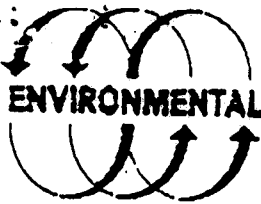
EPA Method 3550 for High Boiling Point Hydrocarbons such as Kerosene, Diesel, Varsol, Mineral Spirits, Naphtha

Total Site Characteristics Score	Initial Cleanup Level TPFH (ppm)	Select Site Category*	Category A & B (Multiply initial cleanup level by 1)	Final Cleanup Level
>150	≤40	Select Site Category* 	1 x _____ = _____ ppm	
121-150	80		Category C & D (Multiply initial cleanup level by 2)	2 x _____ = _____ ppm
91-120	160			
61-90	240		Category E (Multiply initial cleanup level by 3)	3 x <u>80</u> = <u>240</u> ppm
31-60	320			
0-30	400			

EPA Method 9071 for Heavy Fuels - Oil & Grease (O&G) such as Fuel Oil #4, #5, #6, Motor Oil, Hydraulic Fluid

Total Site Characteristics Score	Initial Cleanup Level O&G (ppm)	Select Site Category*	Category A & B (Multiply initial cleanup level by 1)	Final Cleanup Level
>150	≤250	Select Site Category* 	1 x _____ = _____ ppm	
121-150	400		Category C & D (Multiply initial cleanup level by 2)	2 x _____ = _____ ppm
91-120	550			
61-90	700		Category E (Multiply initial cleanup level by 3)	3 x <u>400</u> = <u>1200</u> ppm
31-60	850			
0-30	1000			

* See Site Category Descriptions, Table 3



ENVIRONMENTAL TESTING SERVICES, INC.

P.O. Box 12715 • 888 Norfolk Square • Norfolk, Virginia 23502 • (804) 461-ETSI (3874) • Fax (804) 461-0379
March 30, 1993

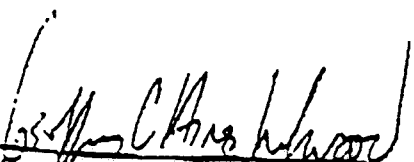
Client:
Mr. Bruce Comstock
PetroChem Recovery Services
P.O. Box 1458
Norfolk, VA 23501

Sample Description:
Designation: Job #G-3388-93
Sample Collected: 3-18-93
Sampled By: BCC
Matrix: Soil
No. of Samples: 2

CERTIFICATE OF ANALYSIS

<u>Analysis</u>	<u>Method</u>	<u>ETS #ID</u>	<u>Sample ID</u>	<u>Results</u>	<u>Det. Limit</u>	<u>Units</u>	<u>Date/Time Analyzed</u>	<u>Analyst</u>
Total Petroleum Hydrocarbons	5030	27420	B#1	541J	1	mg/kg	3-24-93/21:36	PK
Total Petroleum Hydrocarbons	3550	27421	B#2	1000J	1	mg/kg	3-24-93/22:38	PK

J - Over linear range of detector


Geoffrey C. Hinshelwood
Laboratory Manager

The information presented in the report represents the laboratory analyses performed on the samples provided to Environmental Testing Services, Inc. in accordance with the test methods requested and described above. Environmental Testing Services, Inc. is not responsible for any use of this information by its clients and shall not reveal these results to any person or entity without written authorization from its client. Any liability on the part of Environmental Testing Services, Inc. shall not exceed the sum paid by the client to Environmental Testing Services, Inc.

Quality Environmental Services



Research, Environmental & Industrial Consultants, Inc.

P. O. Box 286 • Beaver, West Virginia 25813 • 1-304-255-2500
1-800-999-0105
FAX 1-304-255-2572

Job #: 0593-18537

June 18, 1993

Mr. Bill Cook
Encom Associates, Inc.
7309 Ridge Grove Ct.
Raleigh, NC 27615

Dear Mr. Cook:

Please find enclosed the analysis report for the samples submitted to our laboratory on May 25, 1993. The samples are identified as Midway Service Station and the project number is JKMWSSEC.

If you have any questions, please do not hesitate to call.

Thank you.

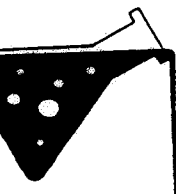
Sincerely,

A handwritten signature in black ink, appearing to read "James L. Hern", is written over the typed name.

James L. Hern, Ph. D.

enclosure
JLH/agb

Quality Environmental Services



REIC Laboratory

Research, Environmental & Industrial Consultants, Inc.

P. O. Box 286 • Beaver, West Virginia 25813 • 1-304-255-2500
1-800-999-0105
FAX 1-304-255-2572

*****ANALYSIS REPORT*****

JOB #: 0593-18537
SERVICES FOR: Encom Associates, Inc.
DATE SAMPLED: 05-18-93
DATE SUBMITTED: 05-25-93
DATE ANALYZED: TPH (EPA 5030/GC-FID) - 05-26-93
TPH (EPA 9071/GC-FID) - 06-05-93
Volatile Organic Compounds - 06-01-93
DATE COMPLETED: 06-15-93
METHOD OF ANALYSIS: As Noted Below
CUSTOMER JOB IDENTIFICATION: Midway Service Station
CUSTOMER PROJECT #: JKMWSSEC

Page 2
Encom Associates, Inc.
Job #: 0593-18537

REIC SAMPLE #	18537-1	METHOD	MOL
ENCOM SAMPLE #	S-1		
-----mg/kg-----			
TPH	230	EPA 5030/GC-FID	5.0

REIC SAMPLE #	18537-2	METHOD	MOL
ENCOM SAMPLE #	S-2		
-----mg/kg-----			
TPH	1350	EPA 5030/GC-FID	5.0

REIC SAMPLE #	18537-3	METHOD	MOL
ENCOM SAMPLE #	S-3		
-----mg/kg-----			
TPH	5.9	EPA 5030/GC-FID	5.0

REIC SAMPLE #	18537-4	METHOD	MOL
ENCOM SAMPLE #	S-4		
-----mg/kg-----			
TPH	357	EPA 5030/GC-FID	5.0

Page 3
Encom Associates, Inc.
Job #: 0593-18537

REIC SAMPLE #	18537-5		
ENCOM SAMPLE #	S-5	METHOD	MOL
---mg/kg---			

VOLATILE ORGANIC COMPOUNDS

benzene	ND	8021	0.020
bromobenzene	ND	8021	0.020
bromochloromethane	ND	8021	0.020
bromodichloromethane	ND	8021	0.020
bromoform	ND	8021	0.020
bromomethane	ND	8021	0.020
n-butylbenzene	ND	8021	0.020
sec-butylbenzene	ND	8021	0.020
tert-butylbenzene	ND	8021	0.020
carbon tetrachloride	ND	8021	0.020
chlorobenzene	ND	8021	0.020
chloroethane	ND	8021	0.020
chloroform	ND	8021	0.020
chloromethane	ND	8021	0.020
2-chlorotoluene	ND	8021	0.020
4-chlorotoluene	ND	8021	0.020
dibromochloromethane	ND	8021	0.020
1,2-dibromo-3-chloropropane	ND	8021	0.020
1,2-dibromoethane	ND	8021	0.020
dibromomethane	ND	8021	0.020
1,2-dichlorobenzene	ND	8021	0.020
1,3-dichlorobenzene	ND	8021	0.020
1,4-dichlorobenzene	ND	8021	0.020
dichlorodifluoromethane	ND	8021	0.020
1,1-dichloroethane	ND	8021	0.020
1,2-dichloroethane	ND	8021	0.020
1,1-dichloroethene	ND	8021	0.020
cis-1,2-dichloroethene	ND	8021	0.020
trans-1,2-dichloroethene	ND	8021	0.020
1,2-dichloropropane	ND	8021	0.020
1,3-dichloropropane	ND	8021	0.020
2,2-dichloropropane	ND	8021	0.020
1,1-dichloropropene	ND	8021	0.020
ethylbenzene	ND	8021	0.020
hexachlorobutadiene	ND	8021	0.020
isopropylbenzene	ND	8021	0.020
p-isopropyltoluene	ND	8021	0.020
methylene chloride	ND	8021	0.020
naphthalene	ND	8021	0.500
n-propylbenzene	ND	8021	0.020

continued

Page 4
 Encom Associates, Inc.
 Job #: 0593-18537

REIC SAMPLE #	18537-5		
ENCOM SAMPLE #	S-5	METHOD	SQL
---mg/kg---			

VOLATILE ORGANIC COMPOUNDS

styrene	ND	8021	0.020
1,1,1,2-tetrachloroethane	ND	8021	0.020
1,1,2,2-tetrachloroethane	ND	8021	0.020
tetrachloroethene	ND	8021	0.020
toluene	0.139	8021	0.020
1,2,3-trichlorobenzene	ND	8021	0.020
1,2,4-trichlorobenzene	ND	8021	0.020
1,1,1-trichloroethane	ND	8021	0.020
1,1,2-trichloroethane	ND	8021	0.020
trichloroethene	ND	8021	0.020
trichlorofluoromethane	ND	8021	0.020
1,2,3-trichloropropane	ND	8021	0.020
1,2,4-trimethylbenzene	ND	8021	0.020
1,3,5-trimethylbenzene	ND	8021	0.020
vinyl chloride	ND	8021	0.020
xylene	0.078	8021	0.020

TPH (diesel)	206	EPA 9071/GC-FID	10
(oil)	17300	EPA 9071/GC-FID	10

MQL - Minimum Quantifying Level

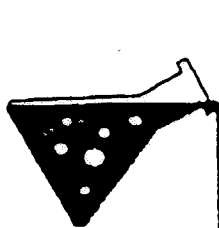
TPH - Total Petroleum Hydrocarbons

ND - None Detected at MQL

Note: The TCLP list was derived from the Federal Register,
 Volume 55, Number 61, Page 11804.

DATE 6-17-93

APPROVED Ray Erickson
 Ray Erickson



REIC Laboratory

Drawer G, Cool Ridge, WV 25825

Custody No 052493M

CHAIN OF CUSTODY RECORD

Date: 5/18/93

Customer Name ENCOM ASSOCIATES INC
 Address 7309 RIDGE GROVE CT
RALEIGH, NC 27615
 Person to Contact BILL COOK Telephone (919) 676-7898
 Billing Address SAME

Sample Collection Information

Sampling Site MIDWAY SERVICE STATION
 Project # JKMWSSEC Sampler BILL COOK
 Date of Sample Shipment 5/24 How Shipped UPS

SAMPLE LOG AND ANALYSES REQUEST

Turnaround Requirements

Regular
 Rush

Analysis Requested

TPH GC 2020
 TPH GC 9071
 8021

Sample ID	Containers # and Type	Date	Time	Matrix	Grab / Comp.	TPH GC 2020	TPH GC 9071	8021	Remarks
S-1	1 JAR	5/18	1145	SOIL	GRAB	✓			GASOLINE
S-2	1 JAR	5/18	1150	SOIL	GRAB	✓			GASOLINE
S-3	1 JAR	5/18	1155	SOIL	GRAB	✓			GASOLINE
S-4	1 JAR	5/18	1200	SOIL	GRAB	✓			GASOLINE
S-5	2 JARS	5/18	1500	SOIL	GRAB	✓	✓		WASTE OIL

Relinquished by: (Signature) [Signature] Date / Time 5/24 1500
 Received by: (Signature) _____ Date / Time _____
 Relinquished by: (Signature) _____ Date / Time _____
 Received by: (Signature) _____ Date / Time _____
 Received for Laboratory by: (Signature) [Signature] Date / Time 5/25/93 08:30
 Condition on Arrival: _____

Comments _____

Possible Interfering Compounds _____



July 6, 1993

319 335-1228
FAX 919 335-9173
111 HUNTERS TRAIL WEST
ELIZABETH CITY
NORTH CAROLINA 27909

Mr. Bill Cook
ENCOM Associates, Inc.
7309 Ridge Grove Ct.
Raleigh, NC 27615

Bill,

The 3 underground storage tanks removed from the Midway Service Station, 610 E. Elizabeth St., Elizabeth City, NC were disposed of at Jacobsen Metals, Chesapeake, VA.

Each tank was vacumed out, degased on site. Tanks were taken to Jerry Kelly Inc. shop and cut up prior to going to Jacobsen Metals.

Jerry Kelly
Jerry Kelly

PASQUOTANK EL

(GW/UST-3) Notice of Intent: UST Permanent Closure or Change-In-Service

FOR TANKS IN NC	Return Completed Form To: The appropriate DEM Regional Office according to the county of the facility's location. [SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].	State Use Only I. D. Number _____ Date Received _____
--------------------------	---	---

INSTRUCTIONS
Complete and return thirty (30) days prior to closure or change-in-service.

I. OWNERSHIP OF TANK(S)	II. LOCATION OF TANK(S)
Tank Owner Name: <u>Thomas G. Skinner</u> <small>(Corporation, Individual, Public Agency, or Other Entity)</small> Street Address: <u>P. O. Box 225</u> County: <u>Pasquotank</u> City: <u>Elizabeth City</u> State: <u>N.C.</u> Zip Code: <u>27909</u> Tele. No. (Area Code): <u>919-335-1228</u>	Facility Name or Company: <u>Midway Service Station</u> Facility ID # (if available) _____ Street Address or State Road: <u>610 E. Elizabeth St.</u> County: <u>Pasquotank</u> City: <u>Elizabeth City</u> Zip Code: <u>27909</u> Tele. No. (Area Code): <u>919-335-1228</u>

III. CONTACT PERSON
Name: Jerry Kelly Job Title: Agent Telephone Number: (919) 335-1228

- IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE
- Contact Local Fire Marshall.
 - Plan the entire closure event.
 - Conduct Site Soil Assessments.
 - If Removing Tanks or Closing in Place refer to API Publications. 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used Underground Petroleum Storage Tanks".
 - Provide a sketch locating piping, tanks and soil sampling locations.
 - Fill out form GWUST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
 - Keep records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: Jerry Kelly, Inc.
Address: 111 Hunters Trail W. Elizabeth City, N. C. 27909 State: N. C. Zip Code: 27909
Contact: Jerry Kelly Phone: 919-335-1228

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			CLOSURE		CHANGE-IN-SERVICE
			Removal	Abandonment In Place	New Contents Stored
#1	2,000	Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	
#2	2,000	Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	
#3	550	Waste Oil	<input type="checkbox"/>	<input type="checkbox"/>	
#4	2,000	Unleaded Regular	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
#5	1,000	Unleaded Super	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

Print name and official title: Jerry Kelly, President
Signature: Jerry Kelly
*Scheduled Removal Date: 4-30-93
Date Submitted: 3-20-93

If scheduled work date changes, notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date.

WUST-2) Site Investigation Report For Permanent Closure or Change-in-Service of U.S.T.

FOR TANKS IN NC

Return Completed Form To:
The appropriate DEM Regional Office according to the county of the facility's location.
[SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS].

State Use Only
I.D. Number _____
Date Received _____

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

<p>I. Ownership of Tank(s)</p> <p>THOMAS G. SKINNER Name (Corporation, Individual, Public Agency, or Other Entity) PO BOX 386 Address PASQUOTANK ELIZABETH CITY NC 27909 State Zip Code 919-335-1228 Code Telephone Number</p>	<p>II. Location of Tank(s)</p> <p>MIDWAY SERVICE STATION Facility Name or Company Facility ID # (if available) 610 E. ELIZABETH ST Street Address or State Road PASQUOTANK ELIZABETH CITY 27909 County City Zip Code 919-335-1228 Area Code Telephone Number</p>
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III. Contact Person

JERRY KELLY Name AGENT Job Title 919-335-1228 Telephone No. (Area Code)
JERRY KELLY, INC Contractor ELIZABETH CITY, NC 919-335-1228 Telephone No. (Area Code)
REIC LABORATORY (Name) BEAVER, WV 1-800-999-0105 Telephone No. (Area Code)

IV. U.S.T. Information			V. Excavation Condition				VI. Additional Information Required	
Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
			Yes	No	Yes	No	Yes	No
2000	48" x 24'	GASOLINE	N/A	N/A	N/A	N/A	N/A	See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.
2000	48" x 24'	GASOLINE	N/A	N/A	N/A	N/A		
550	48" x 6'	USED OIL		X		X	X	
2000	64" x 12'	GASOLINE		X		X	X	
1000	48" x 12'	GASOLINE		X		X	X	

VII. Check List

Check the activities completed.

Contact local fire marshal
Notify DEM Regional Office before abandonment
Run & flush piping into tank.
Remove all product and residuals from tank
Excavate down to tank.
Clean and inspect tank.
Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, compressible pumps and other tank fixtures.
Cap or plug all lines except the vent and fill lines.
Empty tank of all product & flammable vapors.
Cut one or more large holes in the tanks.
Barricade the area.

Case Tank(s) Permanently closed: 5/18/93
Date of Change-in-Service: _____

ABANDONMENT IN PLACE (#1 & #2)

Fill tank until material overflows tank opening;
 Plug or cap all openings;
 Disconnect and cap or remove vent line
 Solid inert material used - specify: CEMENT SLURRY

REMOVAL (#3, #4, & #5)

Create vent hole
 Label tank
 Dispose of tank in approved manner
Final tank destination: JERRY KELLY, INC
JACOBSON METALS

VIII. Certification (Read and Sign)

I, _____, under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative _____ Signature _____ Date Signed _____

State of North Carolina
Department of Environment,
Health and Natural Resources
Washington Regional Office

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Nancy Smith, Regional Manager



**DIVISION OF ENVIRONMENTAL MANAGEMENT
GROUNDWATER SECTION
August 23, 1993**

**RE: Comprehensive Site Assessment
and Corrective Action Plan Guidelines**

Dear Consultant:

In the past, the Groundwater Section of the Washington Regional Office has received numerous incomplete Comprehensive Site Assessments (CSAs) and Corrective Action Plans (CAPs). In an effort to more efficiently review your reports and provide a quicker turnaround, we request you submit future CSAs and CAPs in accordance with the attached sections from the Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater. These formats include the minimum data required to ensure proper review of your reports and should no means limit reporting of pertinent or useful data.

It is anticipated that adherence to the formats may also expedite the Division's review of Trust Fund reimbursement requests. Failure to initially provide the required information specified in Title 15A NCAC 2N, Criteria and Standards Applicable to Underground Storage Tanks, Paragraph .0700 may result in the Washington office not recommending full reimbursement of costs associated with repeated site visits (i.e. inadequate assessment activities, Corrective Action Plan submissions et al.).

We appreciate your continued cooperation in helping to clean up and protect the environment of North Carolina. Should you have any questions or require additional information, please contact me or any member of my staff at (919) 946-6481.

Sincerely,

Willie A. Hardison
Regional Groundwater Supervisor

WAH/eiw

Attachment

WaRO