

THE PANTRY, INC.



Doris Bridges
Director, Gasoline Marketing

P.O. BOX 1410, 1801 DOUGLAS DRIVE
SANFORD, NORTH CAROLINA 27331-1410
PHONE (919) 774-6700
FACSIMILES: (919) 775-5464
(919) 774-3329

July 28, 1994

N.D. Dept Environment, Health & Natural Resources
Winston-Salem Regional Office
8025 North Point Blvd.
Suite 100 East
Winston-Salem, NC 27106

RECEIVED
N.C. Dept. of EHNHR
JUL 29 1994
Winston-Salem
Regional Office

RE: Facility I.D. #0-16907
The Pantry #204
266 S. Main Street
Kernersville, NC 27284
Forsyth County

Dear Sir:

Enclosed please find Tank Closure Report prepared by SPATCO
Environmental Services for the above referenced facility.

Should you have any questions or additional information is needed, please
give me a call at (919) 774-6700, Extension 206.

Sincerely,


Doris Bridges

DB/gs

Enclosures

RECEIVED
N.C. Dept. of EHNR

JUL 29 1994

Winston-Salem
Regional Office

TANK CLOSURE REPORT

The Pantry #204
266 South Main Street
Kernersville, North Carolina

SPATCO Work Order #90005139

PREPARED FOR:

Doris Bridges
The Pantry, Inc.
1801 Douglas Drive
Sanford, North Carolina

PREPARED BY:

SPATCO Environmental
556-L Arbor Hill Road
Kernersville, North Carolina

July 13, 1994

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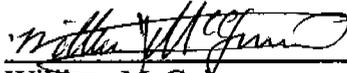
Figure 1	USGS Quadrangle Map
Figure 2	Site Plan

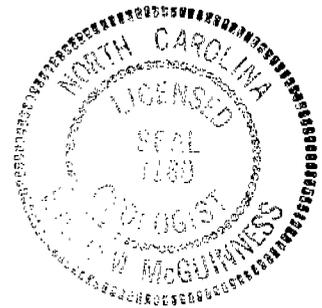
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Appendix I	Notification of Intent of Closure (GW/UST-3 Form)
Appendix II	Certificate of Disposal
Appendix III	Laboratory Results and Chain of Custody
Appendix IV	Site Investigation Report for Permanent Closure (GW/UST-2 Form)

CERTIFICATION

This report has been prepared under the guidance of a North Carolina Licensed Geologist to meet the requirements of the North Carolina Department of Environment, Health and Natural Resources. The information and conclusions expressed in this report are based upon normal standards of the profession and limited to information available at this time. Chemical analysis of samples associated with this report were performed by a subcontracted independent certified laboratory. Laboratory results have been accepted on the basis of subcontractor's internal laboratory procedures and should be considered qualitative unless verified with appropriate QA/QC samples analysis.

 13 July 94
William McGuinness
NC Licensed Geologist #1160



1.0 UNDERGROUND STORAGE TANK EXCAVATION AND REMOVAL

On June 20, 1994, SPATCO Environmental excavated and disposed of two 8000-gallon gasoline underground storage tanks (USTs) from The Pantry Site at 266 South Main Street in Kernersville, North Carolina. Figure 1 is a copy of the USGS 7½' quadrangle for Kernersville showing the location of the site. Table I summarizes relevant information pertaining to the USTs.

Prior to tank removal, a Notification of Intent of Closure (30-day notice) was filed with the NCDEHNR on May 4, 1994. A copy of the notification is attached in Appendix A. Local fire marshall permits were required prior to tank closure and are included in Appendix A. Immediately before tank excavation, the USTs were inerted with dry ice and product lines were purged with nitrogen, following API recommended guidelines.

The USTs were transported by Southern Tank and Environmental to their facility for proper disposal. A certificate of disposal of the USTs is included in Appendix II.

2.0 SOIL SAMPLING/FIELD SCREENING

Soils encountered during excavation were primarily red silt. Bedrock was not encountered. Soil samples were obtained from the undisturbed soil within the excavation pit using the excavation bucket. Additionally, soil samples were obtained in the vicinity of a pump island. Figure 2 is a site plan showing the former tank and sampling locations. New, disposable, latex gloves were worn during each transfer of soil from the excavator bucket to the glass containers.

After collection, soil samples were divided into two representative portions. The first portion of each sample was placed in a polyethylene bag for at least five minutes. An OVA was used to screen the head space of the bagged sample. Data is presented in Table II.

The second portion of the soil samples collected during tank closure was placed in an appropriate glass container and sealed with a Teflon® lined cap. The soil samples were maintained at

approximately 4°C for laboratory analysis. Samples were shipped to Hydrologic, Incorporated and analyzed for the following:

- Total Petroleum Fuel Hydrocarbons (TPFH), EPA Method 5030

Proper Chain of Custody procedures were followed. The Chain of Custody and laboratory analysis is attached in Appendix III and are summarized in Table II.

3.0 LABORATORY RESULTS

Referring to Table II, all soil samples collected contained no detectable concentrations of TPFH.

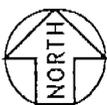
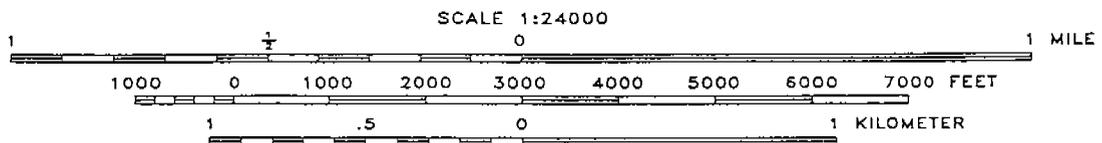
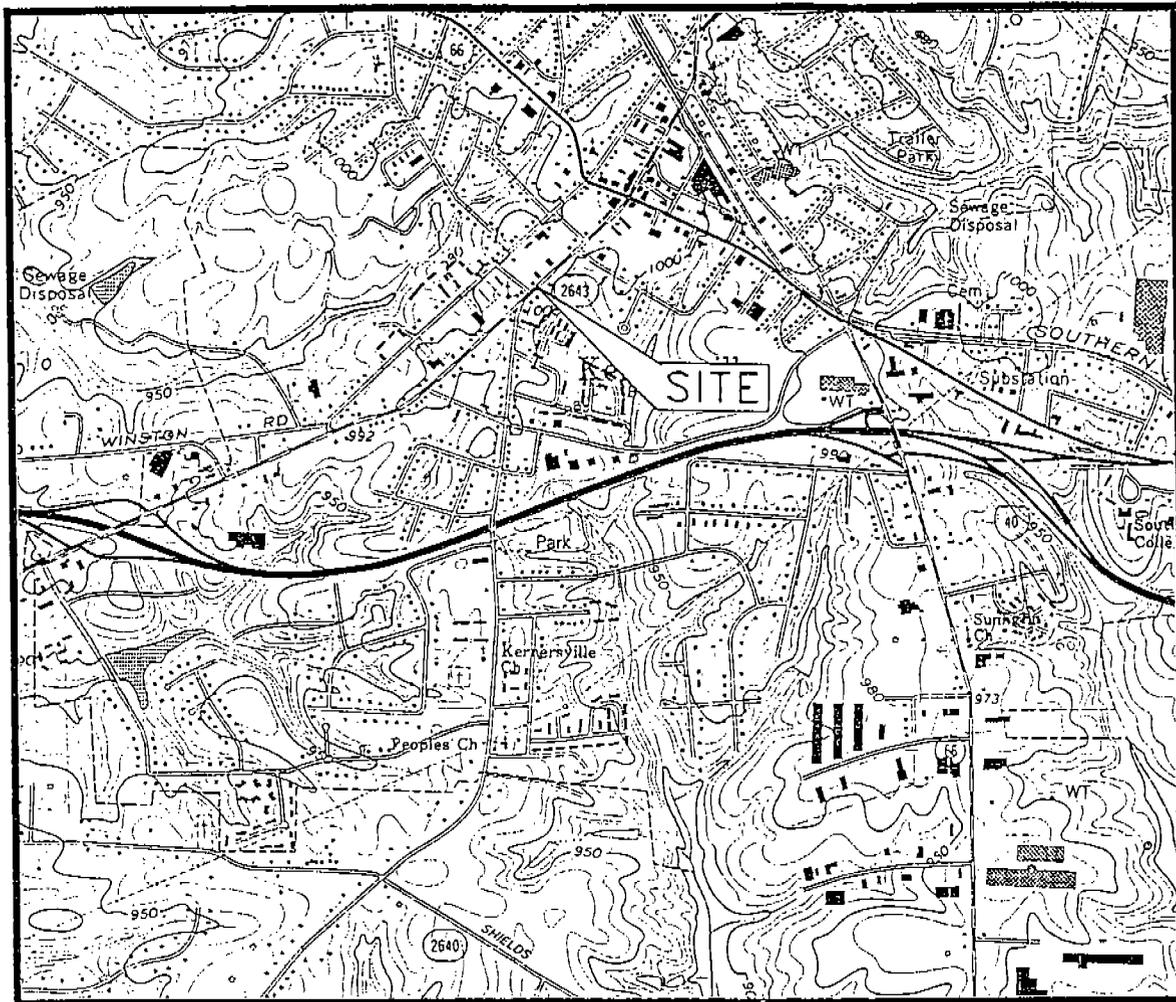
4.0 CONCLUSION

Based on soil concentrations and NCDEHNR action limits, no further action should be required to issue a clean closure. A completed UST-2 form is attached in Appendix IV.

TABLE I. Underground Storage Tank Data The Pantry #204 Kernersville, North Carolina				
Tank #	Composition	Dimensions (D x L)	Volume (gallons)	Stored Product
1	Steel	8' 0" x 21' 4"	8,000	Gasoline
2	Steel	8' 0" x 21' 4"	8,000	Gasoline

TABLE II. OVA Readings and Soil Sample Laboratory Results The Pantry #204 Kernersville, North Carolina			
Sample #	Sample Depth (feet)	OVA Reading (ppm)	TPFH 5030 (mg/kg)
GT-1	12	2	BDL
GT-2	12	16	BDL
GT-3	12	8	BDL
GT-4	12	34	BDL
GT-5	12	5	BDL
GT-6	12	4	BDL
GP-1	3	7	BDL
GP-2	3	26	BDL

BDL = Below Detection Limits

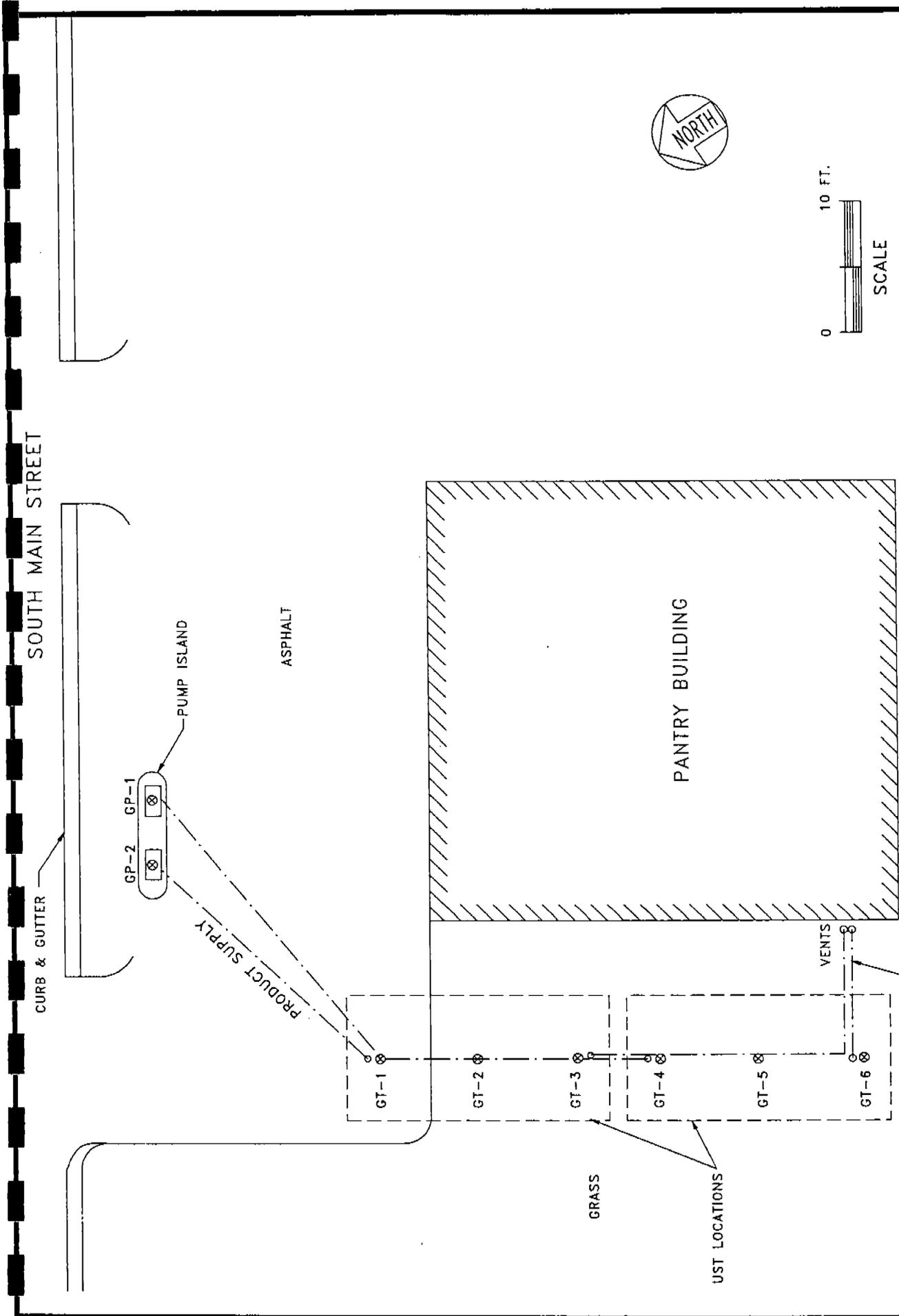


SPATCO environmental

FIGURE 1: SITE LOCATION MAP
THE PANTRY #204
266 SOUTH MAIN SREET
KERNERSVILLE, NORTH CAROLINA

WO #9-5139

DATE: 7-11-94
DRAWN BY: RMC



SPATCO environmental

FIGURE 2: SITE MAP
 THE PANTRY #204
 266 SOUTH MAIN STREET
 KERNERSVILLE, NC

WO #9-5139 DATE: 7/5/94
 DWG #PA5139F2 DRAWN BY: JCJ

LEGEND:
 ⊗ SOIL SAMPLE LOCATION

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 VED
ID Number: 051117
Date Received: MAY 6 1994

INSTRUCTIONS

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

I. OWNERSHIP OF TANK(S)

Tank Owner Name: The Pantey, Inc
(Corporation, Individual, Public Agency, or Other Entity)
Street Address: 1801 Douglas Drive
County: Lee
City: Sanford State: NC Zip Code: 27330
Tel. No. (Area Code): 919-774-6700

II. LOCATION OF TANK(S)

Facility Name or Company: The Pantey # 204
Facility ID # (if available): 0-016907
Street Address or State Road: 266 S. Main St.
County: Forsyth City: Kennettville Zip Code: 27284
Tel. No. (Area Code): 910-996-3394

III. CONTACT PERSON

Name: Dois Bridges Job Title: Dir. Gasoline Mktg Telephone Number: (919) 774-6700 Ext. 204

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 GW/UST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
- The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After January 1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.
- Keep closure records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: SPATCO Environmental
Address: 130 Penmarc Dr, Suite 112 State: Raleigh, NC Zip Code: 27603-2434
Contact: Mike Harmon Phone: 919-832-2535
Primary Consultant: Mike Harmon Phone: 919-832-2535

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			Removal	Abandonment in Place	Change-In-Service
<u>1</u>	<u>8,000</u>	<u>Regular Unleaded Gasoline</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>2</u>	<u>8,000</u>	<u>Premium Unleaded Gasoline</u>	<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"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title: Dois Bridges, Director Gasoline Mktg *Scheduled Removal Date: June '94
Signature: Dois Bridges Date Submitted: 5-4-94

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

SOUTHERN TANK & ENVIRONMENTAL, INC.

CERTIFICATE OF DISPOSAL

FEDERAL/CERTIFICATE # 56-1669418/9950 DATE 6/21/94

RECEIVED JUN 22 1994

CONTRACTOR

LOCATION

SPATCO Environmental, Inc.

The Pantry

556-L Arbor Hill Rd.

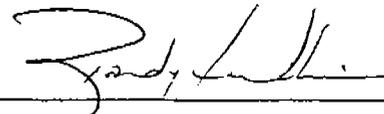
Kernersville, N.C.

Kernersville, N.C. 27284

TYPE OF TANK	SIZE	CONTENT IN GAL.	TANK ID#
<u>UST 8,000 gallon</u>	<u>8' x 21'4"</u>	<u>Less than 1%</u>	<u>STDS-3580</u>
<u>UST 8,000 gallon</u>	<u>8' x 21'4"</u>	<u>Less than 1%</u>	<u>STDS-3581</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

Southern Tank & Environmental, Inc. certifies that the above mentioned tanks have been properly disposed of at 319 Lawyers Rd., Indian Trail, NC, and the contents and sludges processed in full compliance with Local, State and Federal regulations.

Southern Tank & Environmental, Inc.



Randy L. Williams

H Y D R O L O G I C , I N C .

June 28, 1994

REPORTING:

SPATCO - Kernersville
556 L Arbor Hill Road
Kernersville, NC 27284

Attention: Bob Callinan

INVOICING:

SPATCO - Kernersville
556 L Arbor Hill Road
Kernersville, NC 27284

PROJECT NUMBER: FL94-8150

DATE COMPLETED: June 28, 1994

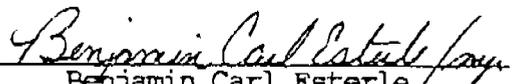
DATE RECEIVED: June 22, 1994

PROJECT DESCRIPTION:

Pantry, K-ville--8 soil samples to be analyzed for TPH 5030.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to contact Billie Wakefield. We appreciate your business and look forward to serving you again soon.

Respectfully,


Benjamin Carl Esterle
Laboratory Director

H Y D R O L O G I C , I N C .

COMPANY NAME: SPATCO - Kernersville
 COMPANY PROJECT NUMBER: PANTRY, K-VILLE
 HYDROLOGIC PROJECT NUMBER: FL94-8150
 HYDROLOGIC SAMPLE NUMBER: 8150
 HYDROLOGIC LAB I.D.: 399
 SAMPLE IDENTIFICATION: GF 1
 DATE SAMPLED: 6/20/94
 DATE EXTRACTED: N/A
 DATE/TIME ANALYZED: 6/27/94

METHOD TPH 5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
 SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: SPATCO - Kernersville
 COMPANY PROJECT NUMBER: PANTRY, K-VILLE
 HYDROLOGIC PROJECT NUMBER: FL94-8150
 HYDROLOGIC SAMPLE NUMBER: 8151
 HYDROLOGIC LAB I.D.: 399
 SAMPLE IDENTIFICATION: GT 2
 DATE SAMPLED: 6/20/94
 DATE EXTRACTED: N/A
 DATE/TIME ANALYZED: 6/27/94

METHOD TPH 5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
 SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: SPATCO - Kernersville
 COMPANY PROJECT NUMBER: PANTRY, K-VILLE
 HYDROLOGIC PROJECT NUMBER: FL94-8150
 HYDROLOGIC SAMPLE NUMBER: 8152
 HYDROLOGIC LAB I.D.: 399
 SAMPLE IDENTIFICATION: GT 3
 DATE SAMPLED: 6/20/94
 DATE EXTRACTED: N/A
 DATE/TIME ANALYZED: 6/27/94

METHOD TPH 5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
 SDL = Sample Detection Limit

COMMENTS: _____

 H Y D R O L O G I C , I N C .

COMPANY NAME: SPATCO - Kernersville
 COMPANY PROJECT NUMBER: PANTRY, K-VILLE

 HYDROLOGIC PROJECT NUMBER: FL94-8150
 HYDROLOGIC SAMPLE NUMBER: 8153
 HYDROLOGIC LAB I.D.: 399
 SAMPLE IDENTIFICATION: GT 4
 DATE SAMPLED: 6/20/94
 DATE EXTRACTED: N/A
 DATE/TIME ANALYZED: 6/27/94

METHOD TPH 5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
 SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: SPATCO - Kernersville
COMPANY PROJECT NUMBER: PANTRY, K-VILLE

HYDROLOGIC PROJECT NUMBER: FL94-8150
HYDROLOGIC SAMPLE NUMBER: 8154
HYDROLOGIC LAB I.D.: 399
SAMPLE IDENTIFICATION: GP 5
DATE SAMPLED: 6/20/94
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 6/27/94

METHOD TPH 5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: SPATCO - Kernersville
COMPANY PROJECT NUMBER: PANTRY, K-VILLE
HYDROLOGIC PROJECT NUMBER: FL94-8150
HYDROLOGIC SAMPLE NUMBER: 8155
HYDROLOGIC LAB I.D.: 399
SAMPLE IDENTIFICATION: GT 6
DATE SAMPLED: 6/20/94
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 6/27/94

METHOD TPH 5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: SPATCO - Kernersville
COMPANY PROJECT NUMBER: PANTRY, K-VILLE

HYDROLOGIC PROJECT NUMBER: FL94-8150
HYDROLOGIC SAMPLE NUMBER: 8156
HYDROLOGIC LAB I.D.: 399
SAMPLE IDENTIFICATION: GP 1
DATE SAMPLED: 6/21/94
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 6/27/94

METHOD TPH 5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: SPATCO - Kernersville
COMPANY PROJECT NUMBER: PANTRY, K-VILLE

HYDROLOGIC PROJECT NUMBER: FL94-8150
HYDROLOGIC SAMPLE NUMBER: 8157
HYDROLOGIC LAB I.D.: 399
SAMPLE IDENTIFICATION: GP 2
DATE SAMPLED: 6/21/94
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 6/27/94

METHOD TPH 5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C

947-8150

TOTAL P.010

COMPANY NAME SPATIO ESD CONTACT NAME BOB CALLINAN TELEPHONE NO. 910-996-0573

SAMPLE ID	SAMPLE LOCATION	Composite	Grab	Date	Time	Sample Type				No. of Containers	REMARKS
						Water	Liquid	Oil	Solid		
GT 1	PANTRY K'VILLE		✓	6-20-94	400				✓	1	
GT 2			✓		405				✓	1	
GT 3			✓		408				✓	1	
GT 4			✓		413				✓	1	
GT 5			✓		415				✓	1	
GT 6			✓		420				✓	1	
GP-1			✓	6-21-94	1030				✓	1	
GP-2			✓	6-21-94	1025				✓	1	

Signature: Bob Callinan
 Project No: PANTRY K'VILLE
 ANALYSIS: 500 (Gas Partic)

COMMENTS:

Retrieved by: (Signature) Bob Callinan	Received by: (Signature)	Date	Time
Retrieved by: (Signature)	Received by: (Signature)	Date	Time
Dispatched by: (Signature)	Received for Laboratory by: Bob Callinan	Date	Time
Method of Shipment: FED Ex 265-7193-795	9057193795	Date	Time

1491 Twilight Trail Frankfort, Kentucky 40601 □ 502/223-0251 □ FAX 502/875-8016 □ Toll Free 1-800/728-2251

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.

I. Ownership of Tank(s)

II. Location of Tank(s)

The Pantry, Inc. Owner Name (Corporation, Individual, Public Agency, or Other Entity) 1801 Douglass Drive Street Address Lee County Sanford, NC 27330 City (919) 774-6700 State Zip Code Area Code Telephone Number

The Pantry #204 Facility Name or Company 0-016907 Facility ID # (if available) 266 South Main Street Street Address or State Road Forsyth Kernersville, NC 27284 City Zip Code (910) 996-3394 Area Code Telephone Number

III. Contact Person

Ms. Doris Bridges Gasoline Manager (919) 774-6700, ext. 200 Name Job Title Telephone No. (Area Code) Closure Contractor SPATCO Environmental, 556-L Arbor Hill Rd., Kernersville, NC 27284 (910) 996-0573 (Name) (Address) Telephone No. (Area Code) Lab Hydrologic, Inc., 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251 (Name) (Address) Telephone No. (Area Code)

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Table with columns: Tank No., Size in Gallons, Tank Dimensions, Last Contents, Water in Excavation (Yes/No), Free Product (Yes/No), and Notable Odor or Visible Soil Contamination (Yes/No). Rows 1 and 2 show 8,000 gallon tanks with Gasoline contents.

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.

VII. Check List

Check the activities completed.

- Checked items: Contact local fire marshal, Notify DEM Regional Office before abandonment, Drain & 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, submersible pumps and other tank fixtures, Cap or plug all lines except the vent and fill lines, Purge tank of all product & flammable vapors, Cut one or more large holes in the tanks, Backfill the area. Date Tank(s) Permanently closed: June 20, 1994. Date of Change-in-Service:

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

- REMOVAL: Create vent hole, Label tank, Dispose of tank in approved manner. Final tank destination: Southern Tank & Environ., Charlotte, NC

VIII. Certification (Read and Sign)

I certify 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 submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative: Bob Callinan, Staff Geologist, SPATCO Env. Signature: Bob Callinan Date Signed: July 11, 1994