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Division WASTE MANAGEMENT

Section SUPERFUND

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DocCat FACILITY

**PIN-POINT**
ENVIRONMENTAL SERVICES, INC.

N.C. DEPT. OF
ENVIRONMENT, HEALTH,
& NATURAL RESOURCES

JUL 25 1995

1293 Hendersonville Rd.
Suite 8
Asheville, NC 28803
(704) 277-0278

DIVISION OF ENVIRONMENTAL MANAGEMENT
MOORESVILLE REGIONAL OFFICE

P.O. Box 490
Ellenboro, NC 28040
(704) 453-0884

July 23, 1995

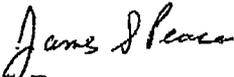
Mrs. Barbara Christian, Groundwater Supervisor
DEM/Groundwater Section
919 N. Main Street
 Mooresville, NC 28115

Ref: Granline Corp.
1711 11th Ave. SW
Hickory, NC 28601
Catawba County

Dear Mrs. Christian;

Please find enclosed a copy of the closure report for Granline Corp., located in Hickory, North Carolina. If you have any questions, please do not hesitate call me at (704) 277-0278.

Sincerely,


James S. Peace
Geologist

cc; Tom Fox Maintenance Supervisor

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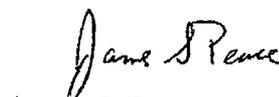
1293 Hendersonville Rd.
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Asheville, NC 28803
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DIVISION OF
MORRISVILLE P.O. Box 490
Ellenboro, NC 28040
(704) 453-0884

REPORT OF
TANK EXCAVATION
AND
SOIL SAMPLING

Site:
Granline Corp.
1711 11th Ave. SW
Hickory, N.C. 28601
Catawba County


G. Robert Luckadoo, P.G.
Registered Professional Geologist


James S. Peace
Staff Geologist



SITE ASSESSMENTS • SOIL TESTING • MONITOR WELL INSTALLATIONS • GROUNDWATER INVESTIGATION

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General Information:

A Tank Owner: Southern Furniture Company
1099 2nd Ave. PL SE
Concord, N.C. 28613
(704) 464-0311

B. Facility Name : Granline Corp.
Facility ID # : 0-028995
1711 11th Ave. SW
Hickory, N.C. 28601
Catawba County

C. Contacts :

Primary Contact: Tom Fox
Maintenance Supervisor
Southern Furniture Corp.
Conover, N.C. 28613
(704) 464-0311 ext. 206

Closure Contractor: Superior Petroleum & Fuel Co. Inc.
P.O. Box 268
Newton, N.C. 28658
(704) 464-0472

Primary Consultant: Pin-Point Environmental Services, Inc.
1293 Hendersonville Rd. Suite 8
Asheville, N.C. 28803
(704) 277-0278

Laboratory: Blue Ridge Labs
P.O. Box 2940
Pine Mountain Rd.
Lenoir, N.C. 28645
(704) 728-0149
State Certification Number 275

D. UST Information:

Granline Corp. UST Information

Tank no.	Installation Date	Size in Gallons	Tank Dimensions	Last Contents	Previous Contents
1	Unknown	10,000	10.6' Dia. x 16'	Kerosene	Same

E. Site Characteristics:

On June 1, 1995, Pin-point Environmental Services, Inc. arrived on site to collect soil samples and conduct an assessment for tank closure at the above referenced facility. Upon arrival on site, one (1) underground storage tank (UST) was excavated by Superior Petroleum & Fuel Company. Nationwide Tank, of Charlotte N.C., transported the UST to be cleaned and scrapped according to all applicable State guidelines. Granline Corp., located at 1711 11th Ave. SW, in Catawba County, North Carolina, used to be a furniture manufacturing plant. Granline Corp. is located in the city limits of Hickory, and is in a developed section of the city where the surrounding property is commercial as well. There have been no known releases at this site. The Plant has been out of service since 1982. However, the tank was in service until this past spring of 1995. The geology of the subject site is primarily a saprolite. The soil is comprised of a red sandy clay containing relic structure and textures. No water was encountered in the excavation.

II Closure Procedures:

Per the Division of Environmental Management requirements, Superior Petroleum completed the required Notice of Intent for permanent closure of USTs, form GW/UST-3, and submitted it to the State on May 1, 1995. The 10,000 gallon kerosene UST had approximately 385 gallons of liquid in the tank. The tank was pumped dry and transported by Mr. Von Isenhour, a waste material hauler (EPA # NCD08133858), to Holston Fuel of Waynesville N.C. (see appendix page 12) for proper disposal.

The pump island, located immediately above the tank was also permanently removed. The UST was excavated using a track-hoe and lifted out by crane. The dimension for the excavation was; 20'x14'x15'. The tank was buried approximately four (4) feet below grade. Soil encountered in the excavation was primarily red sandy clay. All soil removed from the excavation was returned to the pit and filled with clean soil. There were no visual indications or petroleum odors emanating from the excavated soil. The soil was initially analyzed using a Photovac Microtip Photoionization Detector (PIDmeter). This instrument had just recently been calibrated using Isobutylene as a standard. The PIDmeter could not detect any contamination in the soil.

III Site Investigation:

Two soil samples were taken from the excavation and sent to the laboratory for analyses. For tanks less than 20 feet in length, a boring is required at each end of the tank pit. Borings are also required for each twenty feet of dispenser piping and under each pump island as applicable. Samples were collected at a depth of two feet below the base previously occupied by the tank (Please see site map for soil sampling locations). Each of the samples were collected at a depth of approximately 17-18 feet below original grade. The samples were collected from the teeth of the track-hoe.

The collected samples were placed in laboratory prepared jars, sealed with Teflon lids, and packed on ice for shipment to the laboratory. The chain of custody record, found in the appendix, contains all relevant information on when the samples were collected and transferred to the lab. Each sample was subjected to the laboratory analyses EPA methods 5030, which is used to test the concentrations of gasoline (Type I) petroleum hydrocarbons, and to EPA method 3550 which is used to test the TPH values of the middle distillates (Type II) petroleum products such as kerosene and diesel fuel.

Tanks previously storing kerosene or diesel fuel are required to be subjected to EPA methods 5030 and 3550. The NCDEM action levels of petroleum hydrocarbons in soil for each of these analyses are as follows: EPA 5030 , 10-300 ppm; EPA 3550 , 40-1200 ppm.

The laboratory analyses indicate that both samples were clean and below minimum quantification limit (MQL) of 1.0 mg/kg. Table 3 summarizes the laboratory results.

Table 3

Sample ID	Date Taken	Sample Depth	EPA 5030	EPA 3550
Soil,BH-1-2'	6/1/95	17 feet	BDL	BDL
Soil,BH-2-2'	6/1/95	17 feet	BDL	BDL

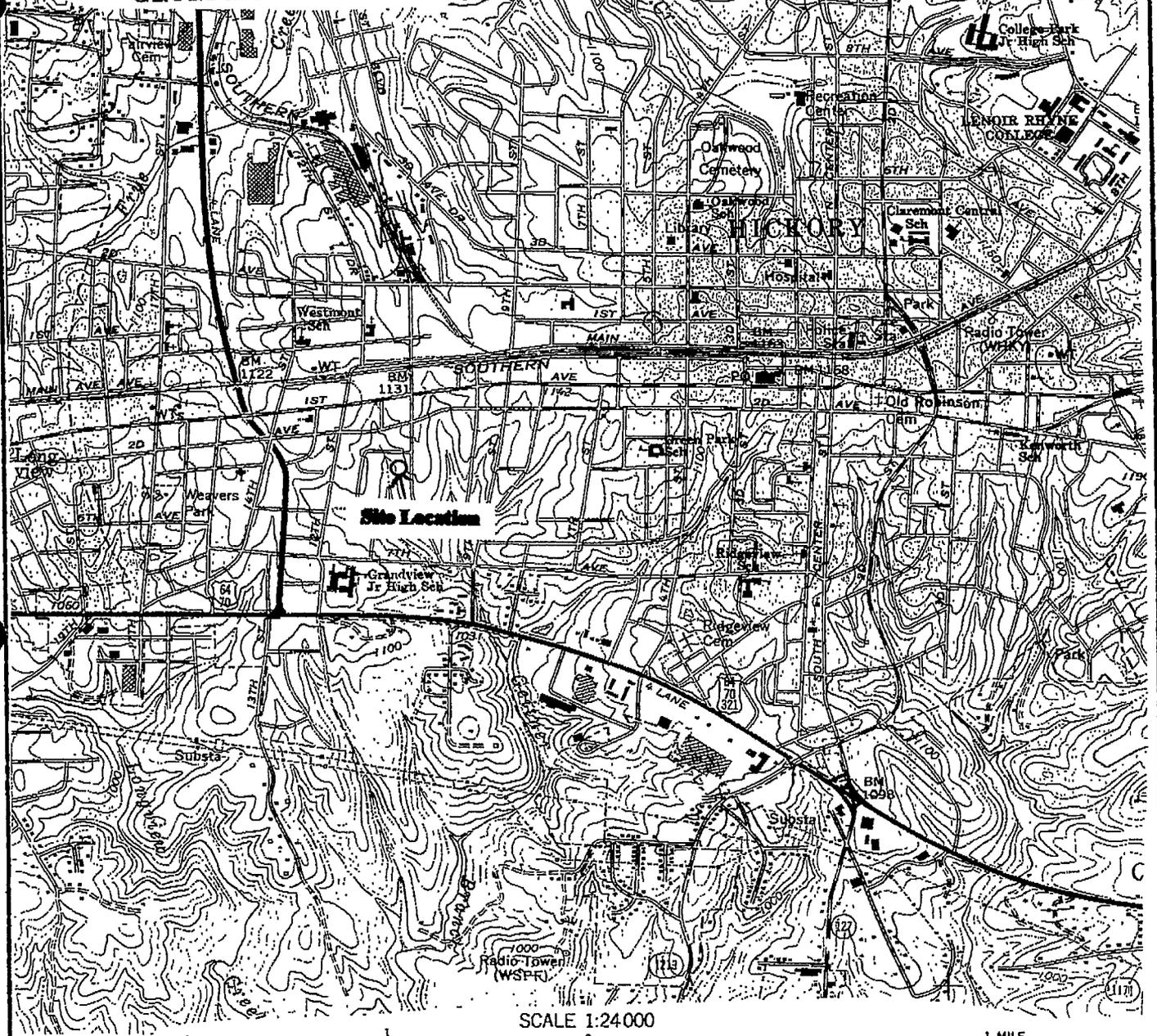
BDL denotes the parameter was below the detected limit which is listed on the certificate of analysis.

IV Conclusions and Recommendations:

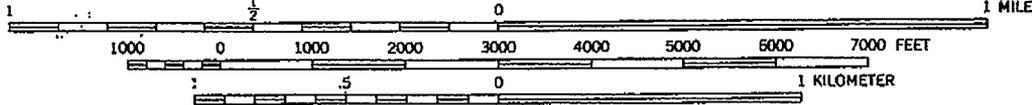
As can be seen from the attached laboratory analyses, both soil samples tested clean. The soil test results are below the state action levels of 10 and 40 ppm, for EPA methods 5030 and 3550, respectively. It is our belief that Southern Furniture Company has satisfied all state requirements concerning UST closure. Therefore, no further action is necessary and this file can be closed.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RUTHERFORDTON SOUTH QUADRANGLE
NORTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1:24,000



CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL



Site Location Map

UST Closure

Figure 1

Granline Corp
1711 11th Ave. SW
Hickory, N.C.

Catawba County

Facility ID # 0-028995

Size: 10,000 Gallons

Dimensions: 10.6' Dia x 16'

Contents: Kerosene

Excavation Dimensions: 20'x14'x15'

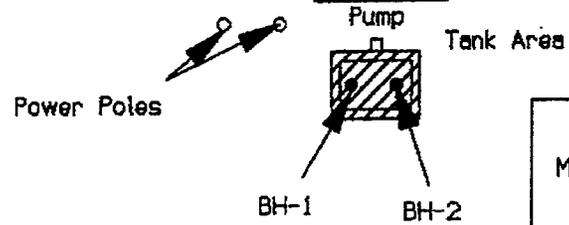


Scale: 1" approximately 40'

11th Ave SW

Dead End

Granline Corp.



UST Excavation Area
Site Map

Granline Corp.
1711 11th Ave. SW
Hickory, N.C.
Catawba County

Figure 2

TANK #1

Facility ID #: 0-028995
Size: 10,000 Gallons
Dimensions: 10.6' Dia. x 16'
Contents: Kerosene
Excavation Dimensions: 20'x14'x15'
Sample Depth: 17 feet

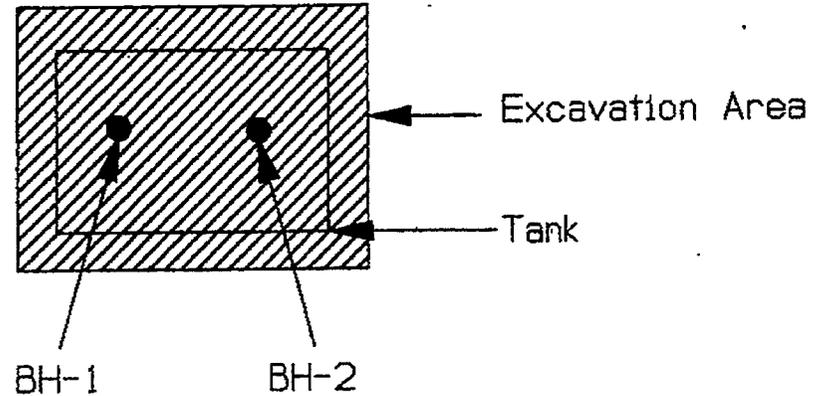
ANALYTICAL RESULTS

Sample ID	EPA 5030	EPA 3550
BH-1-2'	BDL	BDL
BH-2-2'	BDL	BDL



Scale: 1" equals approximately 10'

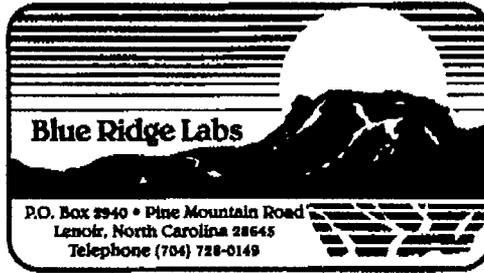
Granline Building



Analytical Result Map
UST Excavation Area

Figure 3

Granline Corp.
1711 11th Ave. SW
Hickory, NC.
Catawba County



CLIENT: Pin-Point Environmental Services, Inc.
 1293 Hendersonville Road
 Suite 8
 Asheville, NC 28803

Attention: Mr. F. Hankinson

DATE RECEIVED: June 01, 1995

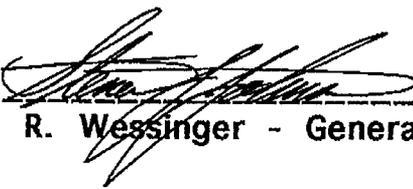
DATE REPORTED: June 05, 1995

SAMPLE NUMBER SAMPLE DESCRIPTION

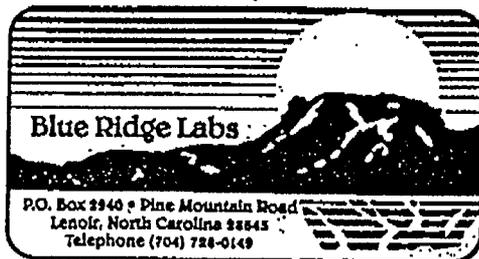
Project: Superior Oil-Granline

506-0851A Soil; BH-1-2 for 5030/3550.
 506-0851B Soil; BH-2-2 for 5030/3550.

<u>PARAMETER</u>	<u>RESULTS</u>	<u>MQL</u>	<u>DATE STARTED</u>
506-0851A- 5030	*	1.0 mg/kg	06/02/95
3550	*	5.0 mg/kg	06/02/95
506-0851B- 5030	*	1.0 mg/kg	06/02/95
3550	*	5.0 mg/kg	06/02/95

REPORTED BY: 
 D. R. Wessinger - General Manager

* Concentrations are below Minimum Quantification Limit except where noted.



CHAIN OF CUSTODY RECORD

CLIENT: Pine Point Environ.
1293 HENDERSONVILLE RD

PROJECT NAME: SUPERIOR OIL - GRANLINE TILQUIL P.O. Number: _____

Sample I.D.	Sample Type	Collection		Pres.			Int.	Requested Analysis
		Date	Time	pH<2	pH>12	Temp		
BH-1 2'	SOIL	6/1	12 ⁰⁰ pm			4 ⁰ Cool	70 ⁰	SD30/3550
BH-2 2'	SOIL	6/1	12 ⁰⁰ pm			4 ⁰ Cool	70 ⁰	SD30/3550

RELINQUISHED BY: Fred C. Henderson DATE 6/1/95 TIME _____ RECEIVED BY: [Signature] DATE 6/1/95 TIME _____

Upon submission of samples, buyer agrees that Invoices are due at time of delivery. Open accounts are due 20 days following the Invoice date. A finance charge of 1.5 % per month will be imposed on all past-due accounts. When relinquishing samples to Blue Ridge Labs buyer also agrees to pay collection and attorneys fees if the account becomes delinquent.

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

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

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)

Owner Name (Corporation, Individual, Public Agency, or Other Entity): Southern Furniture Company
 Street Address: 1049 Pine Ave SE
 City: Charlotte NC State: NC Zip Code: 28613
 Area Code: 704 Telephone Number: 467-0311

Facility Name or Company: Granite Corp
 Facility ID # (if available): 0-028945
 Street Address or State Block: 1111 17th Ave SW
 County: Hickory NC City: Hickory NC Zip Code: 28601
 Area Code: N/A Telephone Number: _____

III. Contact Person

Name: Tom Fox Job Title: Mar. Supervisor Telephone No. (Area Code): (704) 467-0311 x 206
 Closure Contractor Name: Superior Petroleum (Address): _____ Telephone No. (Area Code): (704) 414-0472
 Lab Name: Blue Ridge Labs (Address): Pine Mt. Rd. Lenoir NC 28645 Telephone No. (Area Code): (704) 728-0149

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	10,000	10'6" x 16'	Fuel Oil #2		✓		✓		✓

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.
- 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: 6/2/95
 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 appropriate manner
 - Final tank destination: Stationer's Tank 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: Alex Taroff Signature: _____ Date Signed: 6/2/95

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

FOR TANKS IN IC

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>Southern Furniture Co.</u> <small>(Corporation, Individual, Public Agency or Other Entity)</small>	Facility Name or Company: <u>Marline Corp.</u>	Facility ID # (if available): <u>0-023995</u>	Street Address or State Road: <u>1711 11th Ave SW</u>
Street Address: <u>1077 2nd Ave. Pl. SE</u>	County: <u>Columbia</u>	City: <u>Hickory</u>	Zip Code: <u>28611</u>
City: <u>Cornier</u>	State: <u>NC</u>	Zip Code: <u>28612</u>	County: <u>Columbia</u>
Tele. No. (Area Code): <u>(704) 464-0311</u>	Tele. No. (Area Code): <u>N/A</u>		

III. CONTACT PERSON

Name: Tom Fox Job Title: Maint Supervisor Telephone Number: (704) 464-0311

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

- Contact Local Fire Marshal.
- 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.
- Keep records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: Sunrise Petroleum Fuel Co., Inc.
Address: PO Box 666 Cornier State: NC Zip Code: 28612
Contact: Alan Tarrott Phone: (704) 464-0472

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

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			CLOSURE		CHANGE-IN-SERVICE
			Removal	Abandonment in Place	New Contents Stored
<u>1</u>	<u>10,000</u>	<u>Fuel Oil</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"/>	

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title: Southern Furniture Co.
By: Alan Tarrott Agent
Signature: [Signature]
Scheduled Removal Date: 6/23/95
Date Submitted: 5/10/95

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

Southern FURN
CRANLINE PLANT

RECEIPT FOR WASTE MATERIAL

Type of Waste Material: ~~HOUSEHOLD OIL~~ FUEL OIL and waste water

Volume of Waste Material: 385 gallons

Hauler of Waste Material:

Name: VON ISENHOUR
Address: 2052 10TH ST PL N W HICKORY N C 28601
Telephone No.: 704-324-8048
EPA No.: NCD08133858

Destination of Waste Material:

Name: HOLSTON FUEL
Address: P O BOX 720 WAYNESVILLE N C 28786
Telephone No.: 704-452-2836
EPA No.: NCD08133858

Von Isenhour
Received by (sign)

4-6-95
Date

NATIONWIDE TANK AND ENVIRONMENTAL SERVICES, INC.

P.O. Box 472349
Charlotte, NC 28247-2349
Phone: (704) 846-6930

C E R T I F I C A T E O F D I S P O S A L

CERTIFICATE # 765 **DATE** 6/13/95

CONTRACTOR

LOCATION

Superior Oil

Granline Corp.

P. O. Box 268

1711 11th Ave SW

Newton, N. C. 28658

Hickory, NC 28601

**TRANSPORTATION
MILEAGE**

TYPE OF TANK

SIZE

CONTENT IN GAL.

TANK ID #

fuel

10,000 gal.

empty

S07651868

Nationwide Tank Service certifies that the above mentioned tanks have been properly disposed of and the contents and sludges processed in full compliance with the local, state, and federal regulations.

Nationwide Tank and Environmental Services, Inc.

John L. Boone