

JUNE 12TH, 1995

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Regional Office

**CLOSURE REPORT & GEOLOGIST'S ASSESSMENT: REMOVAL OF  
1-550 AND 1-270 GALLON UST(S)**

**SITE: THE PET GROOMING SHOP  
3350 VALLEY ROAD  
WINSTON-SALEM, FORSYTH COUNTY, NC 27104  
(NO FACILITY ID ISSUED)**

**PREPARED FOR: MR LARRY MESSICK  
BILCO CORPORATION  
P.O. BOX 3118  
WINSTON-SALEM, NC 27102-3118  
910/724-3661**

**PREPARED BY: SALEM ENVIRONMENTAL, INC./  
CERTIFOAM SERVICES, INC.  
P.O. BOX 5535  
WINSTON-SALEM, NC 27113-5535  
800/862-9231 // 910/661-9231  
910/661-9241 (FAX)**

**HARVEY DANNER, PROJECT MANAGER  
ANDREW RARING, Ph.D., P.G., CONSULTING  
GEOLOGIST**

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## **1.0 PROJECT SUMMARY**

Two underground storage tanks (USTs) were closed by excavation at this site. Their existence was unknown until a site walkthrough discovered them earlier this year; last use was probably the mid-to-late 1960's, to the best of the property owners' knowledge. Field and laboratory data substantiated that no significant impact was present in the surrounding and underlying soils. Both USTs were taken to an authorized company for disposal, which included the contents.

## **2.0 SCOPE OF OPERATIONS**

Salem Environmental/Certifoam Services (SE/CS) was retained initially to determine whether any USTs were present on site. Once this was confirmed, SE/CS was hired to provide turnkey closure of the site. The duties included all relevant paperwork, supervision, excavation/backfill, tank disposal and laboratory analysis of soil samples. Remedial activities associated with any potential contamination were not part of the agreement.

## **3.0 SITE & AREA CHARACTERISTICS**

A copy from the Rural Hall Quadrangle, US Geological Survey 7.5 Minute Series, has the site circled (Figure 1). Scale is 1" = 2,000'. Its area comprises approximately 0.4 acres and is located just south of Yadkinville Road; Reynolda Road (NC Hwy 67) is 1800 feet east. Figure 2 is the detailed map of the site, and it has all relevant physical data, inclusive of sampling/UST locations, as well as excavation zones.

Much of the site and surrounding area is floodplain. Topography around the USTs is flat, with only a slight slope falling south toward the creek. However, local relief averages from 50-100 feet. No water supply wells are known to operate within a 1500 foot radius, and all municipal services are supplied by the City of Winston-Salem. Intense commercial and residential development surrounds the site, with the only vacant property being across Valley Road.

The site resides in the Milton Belt of the Piedmont Physiographic Province. The 1985 N.C. Geologic Map shows bedrock to be an inequigranular to megacrystic biotite gneiss, having abundant potassic feldspar and garnet. It is interlayered and gradational with varied silicate rock and schists, as well as amphibolite and small masses of granitic rock. Such bedrock is characterized by a saprolite soil developing over the parent rock. Saprolite retains the rock's characteristics, as it is a result of chemical weathering in place. Usually, the shallow ground water aquifer commences in this layer and extends into the bedrock table, being intercepted between 10-40 feet below grade in much of the Piedmont. The saprolite is overlain by a silty clay residuum and thin, poor topsoil in most places.

## **4.0 FIELD INVESTIGATION**

Closure activities commenced on May 31st. Prior to then, the project manager and technicians

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BILCO/3350 Valley, cont.

visited the site to check the USTs and check for residual product and possible explosive fumes. No liquid product remained in the tanks; only small amounts of sludge were present. Levels of explosive vapors were checked by our organic vapor analyzer (OVA). Both USTs had total organics counts of under 10% on May 26th. The consulting geologist, who provided guidance throughout, also visited the site prior to removal.

Present for closure activities were the project manager and our technician crew. Anthony Medina operated the rental backhoe from Coble Equipment, while David Edes handled the remaining site work, inclusive of soil sample collection. All employees are trained under OSHA 1910 and medically monitored.

Once the concrete was broken, UST #1 was the first to be pulled. Soil showed no physical evidence of any release. From 1 to 4 feet, the dirt was an orange silty clay with light sand. Below there, it altered to a brown, looser sandy clay. Ground water or bedrock was not intercepted at the maximum depth of our excavation (10').

As the tank was only buried 2.2 feet below grade, its bottom was at 5.7 feet. Samples #1A & #1B were collected at a depth of 7.5'. Additional soil from each sample point was screened for volatiles with a Gastech Model 1238 Organic Vapor Analyzer (OVA). The process involves placing soil into a ziplock type bag (about 1/4 to 1/3rd its volume), sealing the bag and allowing 10 to 15 minutes for the soil gasses to equilibrate. Then, the probe from the OVA is inserted into the bag. The subsequent reading, expressed in parts per million of total organics, can suggest if hydrocarbon contamination is present, especially when coupled with a petroleum odor of any kind. Readings for both were nil.

UST #2 was also 2.2' below grade; again, the sample there was collected at 7.5 feet. Only one was necessary, as the tank was 4' long. The OVA screened soil at the sample point, and total organics were nil. No other odors or discoloration were observed with the excavated soil. Clean crusher run stone was compacted to backfill the hole.

UST condition of both was poor, with pinholes, pitting and rusting being widespread. Both pumps were located in the excavation zones; this determination was made from the short product lines emanating from each UST. All scrap and the tanks were carried to Safeway Tank of Colfax for disposal, which included all residues and sludges.

Disposable latex gloves were worn during sample collection to prevent cross-contamination. Decontamination of the hand trowel used to collect the samples from the backhoe bucket was per tap water/phosphate-free soap wash followed by a methanol rinse and drying period. Care was taken to avoid disturbing the soil excessively during sample collection. Soil was packed tightly into the glass jars supplied by the lab, which had teflon seal, screw caps. Temperature was maintained under 40 degrees by ice chest with a solid block coolant and refrigeration

throughout our hold time. Shipment to the lab was per FedEx next day air in a lab supplied cooler packed with frozen blue ice containers.

## **5.0 LABORATORY RESULTS**

Specialized Assays of Nashville, Tenn., (NC License #387) performed the analytical services. As the system supplied gasoline, EPA 5030-8015 Modified, Purge & Trap Method was employed. This is required under guidance issued by the N.C. Division of Environmental Management (DEM). Results were the following, all expressed in parts per million (ppm = mg/kg), total petroleum hydrocarbons:

<u>SAMPLE ID#</u>	<u>EPA 5030</u>
1A-7.5-LM	<5.0
1B-7.5-LM	<5.0
2A-7-LM	<5.0

Field ID's are cross referenced with the lab ID's on the results, which are enclosed. The chain of sample custody is also furnished. The N.C. Division of Environmental Management (DEM) allows concentrations of 10 ppm TPH per the 5030 Method before any additional investigation or remediation is required.

## **6.0 GEOLOGIST'S ASSESSMENT**

Two gasoline USTs which were out of service for almost 30 years were closed by excavation at this site. The current owners, who purchased the property in 1977, was unaware that USTs were buried on site until a magnetometer inspection earlier this year. The soil surrounding each tank showed no field evidence of being impacted. Although numerous holes were noted in both tanks, all product had apparently been removed at the time when service ceased. It is likely this degradation occurred during the intervening 30 year period. Laboratory analyses confirmed the absence of any hydrocarbon releases. As the UST system has been removed and no measurable impact is present in the soil, a clean closure appears to have been achieved.

## **7.0 WARRANTY & LIMITATIONS**

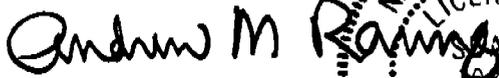
We, the undersigned, attest that our work was carried out with full respect to regulatory guidance and, where such guidance was not applicable, standard industry procedures. The data received from the independent lab is assumed to be accurately delineated and transposed. Should we find otherwise, we reserve the right to alter this report as necessary. The assessment applies to the time and place of sampling only; no other expressed or implied warranty is offered. This report is the exclusive property of BILCO Corporation, and it will not be released without prior approval.

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BILCO/3350 Valley, cont.

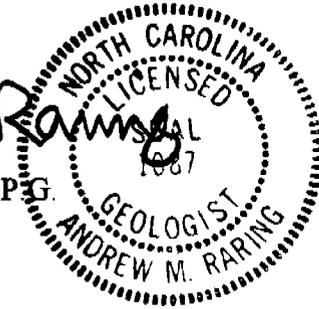
Sincerely,



Harvey C. Danner, Jr.  
President/Project Manager



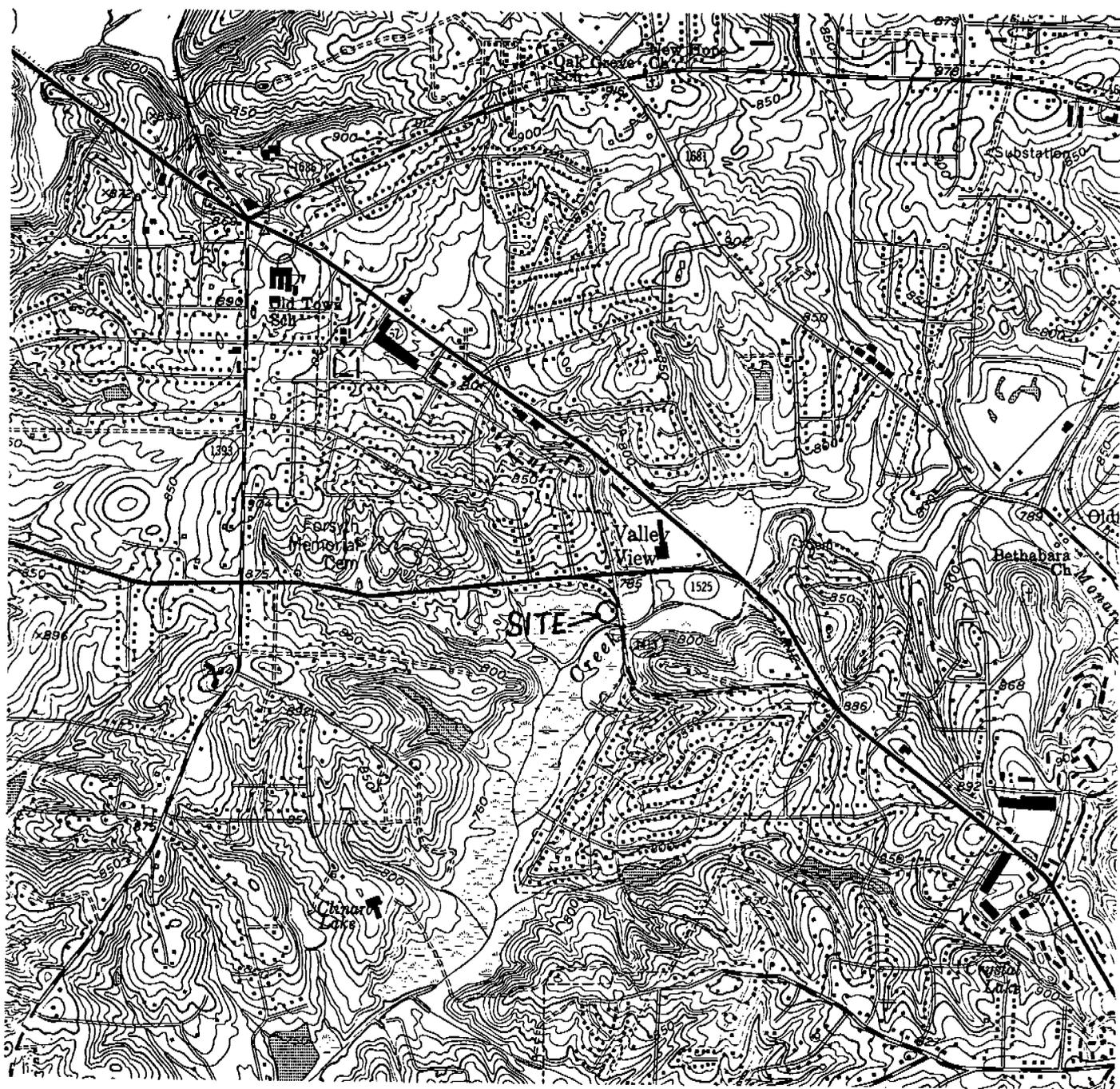
Andrew M. Raring, Ph.D., P.G.  
Senior Geologist



bil3350v.doc

cc: Mr Larry Messick, BILCO Corporation  
NC-DEM Groundwater Section, WSRO

**FIGURE 1**

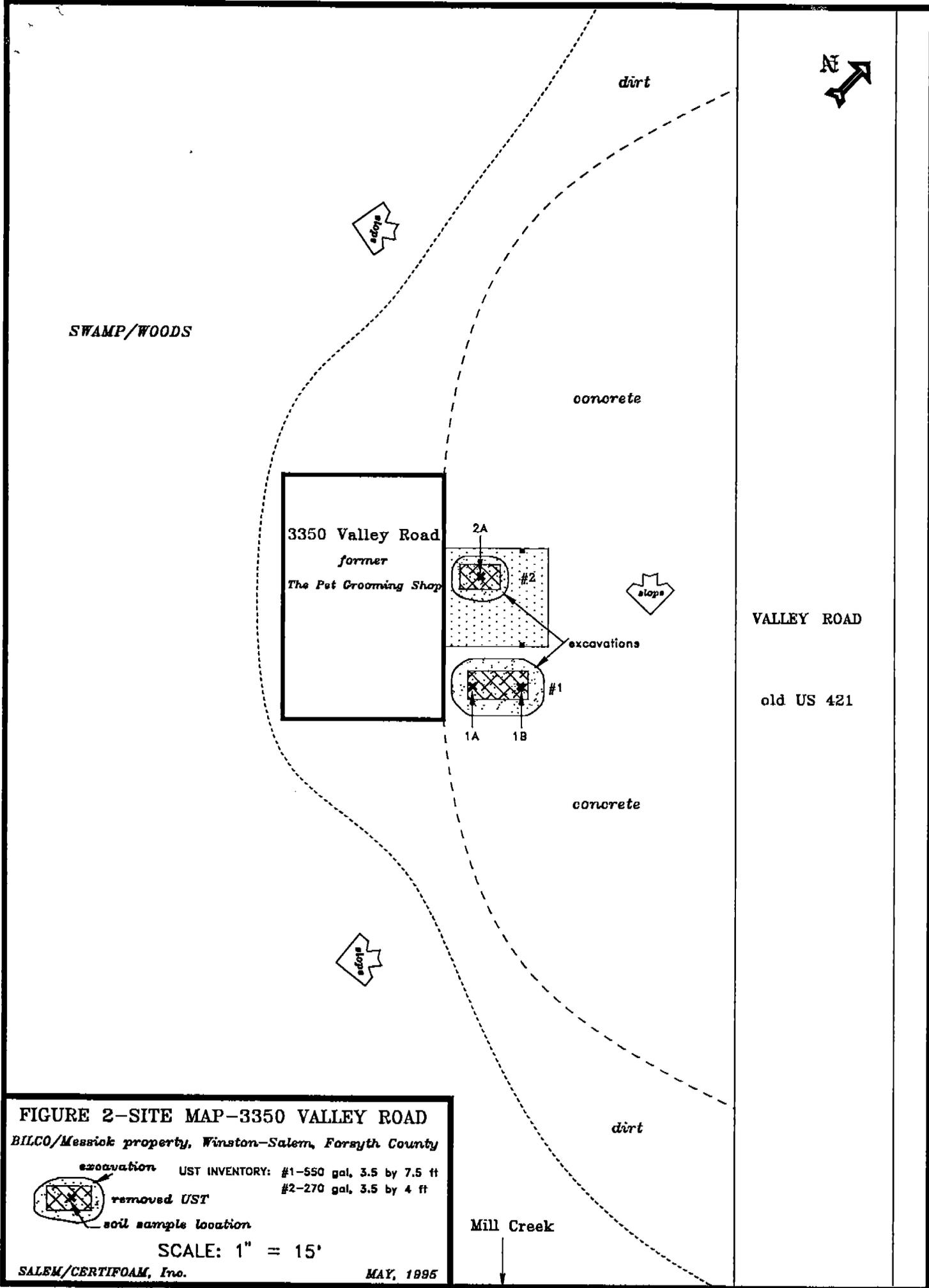


**BASE MAP, OLD SERVICE STATION, 3350 VALLEY ROAD**

**WINSTON-SALEM, FORSYTH COUNTY, NORTH CAROLINA 27104**

**U.S.G.S. RURAL HALL QUADRANGLE MAP, 7.5 MINUTE SERIES**

**SCALE : 1 INCH = 2,000 FEET**



**FIGURE 2-SITE MAP-3350 VALLEY ROAD**

*BILCO/Messick property, Winston-Salem, Forsyth County*

excavation UST INVENTORY: #1-550 gal, 3.5 by 7.5 ft  
 #2-270 gal, 3.5 by 4 ft

removed UST

soil sample location

SCALE: 1" = 15'

SALEM/CERTIFOAM, Inc.

MAY, 1995

# 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 (BLUE) 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)

Tank Owner Name: BILCO Corporation  
(Corporation, Individual, Public Agency, or Other Entity)  
Street Address: P.O. Box 3118  
County: Forsyth  
City: Winston-Salem State: NC Zip Code: 27102  
Tele. No. (Area Code): 910-724-3661

#### II. LOCATION OF TANK(S)

Facility Name or Company: The R.H. Greening Shop  
Facility ID # (if available): none issued  
Street Address or State Road: 3350 Valley Road  
County: Forsyth City: W-5 Zip Code: 27104  
Tele. No. (Area Code): None - Closed

#### III. CONTACT PERSON

Name: Larry Messick Job Title: Partner/owner Telephone Number: (910) 724-3661

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

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Contact Local Fire Marshall.</li> <li>2. Plan the entire closure event.</li> <li>3. Conduct Site Soil Assessments.</li> <li>4. If Removing Tanks or Closing in Place refer to API Publications. 2015 "Cleaning Petroleum Storage Tanks" &amp; 1604 "Removal &amp; Disposal of Used Underground Petroleum Storage Tanks".</li> </ol> | <ol style="list-style-type: none"> <li>5. Provide a sketch locating piping, tanks and soil sampling locations.</li> <li>6. Fill out form GW/UST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.</li> <li>7. Keep records for 3 years.</li> </ol> |
|---|--|

#### V. WORK TO BE PERFORMED BY:

(Contractor) Name: Salem Environmental/Certifoam Services  
Address: P.O. Box 5535; Winston-Salem, N.C. Zip Code: 27113  
Contact: Harvey Danner, Pres. Phone: 910-661-9231

#### 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
1	550(?)	Unknown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	280(?)	"	<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"/>

#### VI. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title: Larry Messick, Owner \*Scheduled Removal Date: May 31st, 1995  
Signature: [Signature] Date Submitted: Apr. 28th, 1995

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

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)**

Owner Name: BIHCO Corporation  
 Corporation, Individual, Public Agency, or Other Entity  
 Street Address: P.O. Box 3118  
 County: Forsyth  
 City: Winston-Salem NC Zip Code: 27102  
 Telephone Number: (910) 724-3661  
 (Area Code)

**II. Location of Tank(s)**

Facility Name: The Pet Grooming Shop  
 (or Company)  
 Facility ID # (if available):  
 Street Address: 3350 Valley Rd  
 (or State Road)  
 County: Forsyth City: W-5 Zip Code: 27104  
 Telephone Number: ( ) None  
 (Area Code)

**III. Contact Person**

Name: Larry Messick Job Title: Owner Tel. No.: 910/724-3661  
 Closure Contractor: Certifoam Serv. Address: POB 5535; W-5, NC 27113 Tel. No.: 910/661-9231  
 Primary Consultant: Andrew Raring Address: POB 30; Bethania, NC 27010 Tel. No.: 910/661-9245  
 Lab: Specialized Assays Address: POB 40566; Nashville, TN 37204 Tel. No.: 600/765-0980

**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	550	42x92	Gasoline		X		X		X
2	270	42x48	"		X		X		X

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

**NOTE:** The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After Jan. 1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.

**VII. Check List (Check the activities completed)**

**PERMANENT CLOSURE (For Removing or Abandoning-in-place)**

- 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: 5/31/95  
 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 approved manner. Safeway
- Final tank destination: Tank Disposal; Colfax, 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

Signature

Date Signed

Larry Messick, Owner

L. E. Munn

6/2/95

# UNDERGROUND STORAGE TANK CLOSURE REPORT

*The closure report should contain, at a minimum, the following information. Any other information that is pertinent to the site should be included.*

## I. General Information

### A. Ownership of UST(s)

1. Name of UST owner: **BILCO Corporation**
2. Owner address and telephone number: **P.O. Box 3118, Winston-Salem, NC 27102  
910/724-3661**

### B. Facility Information

1. Facility name: **The Pet Grooming Shop**
2. Facility ID #: **None issued as yet**
3. Facility address, telephone number and county: **3350 Valley Road, W-S (27104), Forsyth**

### C. Contacts

1. Name, address, telephone number and job title of primary contact person:  
**Larry Messick (see above for address/phone)**
2. Name, address and telephone number of closure contractor:  
**on cover of report**
3. Name, address and telephone number of primary consultant:  
**Andrew Raring, Ph.D., P.G.; P.O. Box 34, Bethania, NC 27101; 910/661-9245**
4. Name, address, telephone number, and State certification number of laboratory:  
**Specialized Assays; P.O. Box 40566, Nashville, TN 37204; 615/726-0177**

### D. UST Information

Tank no.	Installation dates	Size in Gallons	Tank Dimensions	Last Contents	Previous Contents (if any)
1	unknown	550	42" x 92"	gasoline	
2	"	270	42" x 48"	"	

### E. Site Characteristics

1. Describe any past releases at this site: **none known**
2. Is the facility active or inactive at this time? If the facility is inactive note the last time the USTs were in operation: **inactive/last use of USTs estimated to be mid to late 1960's**
3. Describe surrounding property use (for example, residential, commercial, farming, etc.)  
**see report**
4. Describe site geology/hydrogeology

**Please see our report**

## II. Closure Procedures

A. Describe preparations for closure including the steps taken to notify authorities, permits obtained and the steps taken to clean and purge the tanks **Please see our report**

B. Note the amount of residual material pumped from the tank(s): **handled by tank disposal company**

C. Describe the storage, sampling and disposal of the residual material: **same as B.**

### D. Excavation

*Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" on limiting excavations. The Trust Fund will not pay for excessive excavation unless it is justified and verified by laboratory results.*

1. Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps: **Please see our report for all data**

2. Note the depth of tank burial(s) (from land surface to top of tank):

3. Quantity of soil removed:

4. Describe soil type(s):

5. Type and source of backfill used:

### E. Contaminated Soil

*Note: Suspected contaminated soil should be segregated from soil that appears to be uncontaminated and should be treated as contaminated until proven otherwise. It should not be used as backfill.*

1. Describe how it was determined to what extent to excavate the soil: **OVA/physical evidence**

2. Describe method of temporary storage, sampling and treatment/disposal of soil: **n/a**

## III. Site investigation

A. Provide information on field screening and observations, include methods used to calibrate field screening instrument(s): **Please see our report for this section**

B. Describe soil sampling points and sampling procedures used, including:

*Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" for information about sampling requirements.*

- Location of samples
- Type of samples (from excavation, stockpiled soil, etc.)
- Sample collection procedures (grab, split spoon, hand auger, etc.)
- Depth of soil samples (below land surface)
- Whether samples were taken from side or floor of an excavation

- Sample identification
- Sample analyses

C. Describe groundwater or surface water sampling procedures used, including:

*Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" for information about sampling requirements.*

- Location of samples
- Sample collection procedures (grab, bailer, etc.)
- Sample identification
- Sample analyses

D. Quality control measures

- Describe sample handling procedures including sample preservation and transportation
  - Describe decontamination procedures used
  - Describe time and date samples were collected and date submitted to lab
  - Describe samples collected for quality control purposes (e.g. duplicates, field blanks, trip blanks, etc.)
- Include methods used to obtain these samples and analytical parameters.
- Discuss how results of quality control samples may have affected your interpretation of soil, groundwater or surface water sample results

E. Investigation results

- Describe results of Site Sensitivity Evaluation (SSE), (if SSE was not conducted, explain why not)
- Describe methods of analyses used (include U.S. EPA method number)
- Describe analytical results for samples; discuss in relation to site specific cleanup level or action level, as appropriate

#### **IV. Conclusions and Recommendations**

Include probable sources of contamination, further investigation or remediation tasks, or whether no further action is required.

**no action/see geologist's assessment**

#### **V. Signature of Professional Engineer or Licensed Geologist**

- Professional Engineer Registration #:
- Licensed Geologist License #: 1087

## **VI. Enclosures - Please see our report**

### **A. Figures**

1. Area Map(s) (can be USGS Topographic Quadrangle) showing:
  - Adjacent streets, roads, highways with names and numbers
  - Buildings
  - Known distance to public water supply well(s)
  - Distance to known private water supply well(s)
  - Surface water bodies
  - Groundwater flow direction (if available)
  - Scale
  - North arrow
  
2. Site map of UST excavation area drawn to scale, showing:
  - Buildings
  - Underground utilities such as sewer lines and other conduits
  - Orientation of UST(s), pumps, and product lines
  - Length, diameter and volume of USTs
  - Type of material(s) stored in USTs (currently and previously)
  - Sample locations (identified by letter or number)
  - Final limits of excavation
  - North arrow
  - Scale
  
3. Maps depicting analytical results, to include:
  - Orientation of UST(s), pumps, and product lines
  - Sample locations, depths, and identifications
  - Analytical results
  - Final limits of excavation(s)

### **B. Tables**

1. Field screening results
2. Sample identifications, depths and analyses
3. Sample identifications with results and dates that samples were taken

### **C. Appendices**

- Appendix A: Notification of intent to close (GW/UST-3)
- Appendix B: Site Investigation Report for Permanent Closure or Change-in-Service of UST (GW/UST-2)
- Appendix C: Certificate of tank disposal
- Appendix D: Soil, water, sludge disposal manifests
- Appendix E: Complete chain-of-custody records
- Appendix F: Copy of all laboratory analytical records
- Appendix G: Site Sensitivity Evaluation (SSE) (if applicable)
- Appendix H: Photographs of Closure Activities (optional)
- Appendix I: Geologic logs for excavation(s)



5. Piping System	P. Pressurized System		S. Suction System		G. Gravity Feed System	
	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
Use Piping system codes	<u>S</u>	<u>S</u>				

6. Leak Detection [LD] (use any code or combination of codes that apply) [Refer to 15A NCAC 2N .0504 & .0505]
- |  |  |  |
|--|--|--|
| A. Periodic tank tightness testing "TTT" | F. Interstitial monitoring-double walled tank/piping | J. Manual tank gauging                                 |
| B. Inventory Control*                    | G. Interstitial monitoring-secondary barrier         | K. Statistical Inventory Reconciliation "SIR"          |
| C. Automatic tank gauging "ATG"          | H. Automatic line leak detectors "LLD"               | O. Other method allowed by State Agency. Must specify. |
| D. Vapor monitoring                      | I. Line tightness testing "LTT"                      | N. None  |
| E. Groundwater monitoring                |  | X. Exempt under 280.41(b)(2) (i)-(v) [piping only]     |

\* Options A, B, and C are not stand-alone methods and may only be used in one of the following combinations: A and B or C and B.

Use LD Codes	Tank No. <u>1</u>		Tank No. <u>2</u>		Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Date LD initiated	<u>N/A</u>		<u>N/A</u>					

7. Upgrade (use any code or combination of codes that apply) [Refer to 15A NCAC 2N .0402]

**Corrosion Protection**

- |                      |                       |                        |            |
|----------------------|-----------------------|------------------------|------------|
| A. Sacrificial Anode | C. FRP Tank/Piping    | E. Steel/FRP composite | N. None    |
| B. Impressed Current | D. Dielectric coating | F. Internal lining     | U. Unknown |

Use Corrosion Protection Codes (above)	Tank No. <u>1</u>		Tank No. <u>2</u>		Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
Date Installed	<u>—</u>		<u>—</u>					

**Spill and Overfill**

- |                    |                             |                   |                     |         |
|--------------------|-----------------------------|-------------------|---------------------|---------|
| A. Catchment Basin | B. Automatic Shutoff Device | C. Overfill Alarm | D. Ball Float Valve | N. None |
|--------------------|-----------------------------|-------------------|---------------------|---------|

Use Spill/Overfill Codes	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
	<u>N</u>	<u>N</u>				
Date Installed	<u>—</u>					

8. Substances Last, Currently, or to be stored in Greatest Quantity by Volume (mark all that apply)

a. Petroleum (Specify: Unleaded Reg., Unleaded Plus, Diesel, K-1, Used Oil, etc.)	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
b. Hazardous Substance Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No.	<u>Unknown</u>	<u>Unknown</u>				
c. Other (specify)						

**VI. FINANCIAL RESPONSIBILITY**

I have financial responsibility in accordance with 15A NCAC 20.  
 Mark "x" here if financial responsibility compliance date is deferred by 15A NCAC 20 Section .0202.  
 Method: Self-Insured  
 Insurer: \_\_\_\_\_  
 Policy Number: \_\_\_\_\_

**VII. CERTIFICATION (Read and Sign After Completing Section I Thru VI)**

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.  
Larry Messick, Owner  
 Name and official title of owner or owner's authorized representative  
 Signature, \_\_\_\_\_  
 Date Signed 4/28/95





SPECIALIZED ASSAYS  
ENVIRONMENTAL

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

SALEM ENVIRONMENTAL 6169  
ATTN: HARVEY DANNER  
3950-B PATTERSON AVENUE  
WINSTON-SALEM, NC 27113

Lab Number: 95-A021347

Sample ID: 14-7.5' L.K.

Date Collected: 5/31/95

Project:

Time Collected: 10:00

Project Name: L.K.

Date Received: 6/ 6/95

Sampler: DAVID EDES

Time Received: 9:00

State Certification: 297

Sample Type: Soil

Site I.D.:

Analyte	Result	Units	Quan Limit	Dil Factor	Date	Time	Analyst	Method
5020, Low Hydrocarbons % Dry Weight	< 5.00 86.7	mg/kg %	4.0	1	6/ 3/95	10:07	W. Klepper	8015
					6/ 7/95	7:25	C. Gerenser	CLP

\*\* QUALITY CONTROL DATA \*\*

\*\* Surrogate Recoveries \*\*

Surrogate	% Recovery	Target Range
GRO Surrogate, soil	111.	50 - 150

*T. J. Smith*  
Laboratory Supervisor



SPECIALIZED ASSAYS  
ENVIRONMENTAL

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

SALEM ENVIRONMENTAL 6169  
ATTN: HARVEY DANNER  
2450-B PATTERSON AVENUE  
WINSTON-SALEM, NC 27113

Lab Number: 95-PC31348

Sample ID: 1B-7.5' L.M.

Date Collected: 5/31/95

Project:

Time Collected: 11:00

Project Name: L.M.

Date Received: 6/6/95

Sampler: DAVID EDES

Time Received: 9:00

State Certification: 357

Sample Type: Soil

Site I.D.:

Analyte	Result	Units	Quar Limit	Dil Factor	Date	Time	Analyst	Method
5020, Low Hydrocarbons % Dry Weight	< 5.00 81.6	mg/kg %	4.0	1	6/8/95	10:09	W. Klepper	8015
					6/7/95	7:26	D. Gerenser	CLP

\*\* QUALITY CONTROL DATA \*\*

\*\* Surrogate Recoveries \*\*

Surrogate	% Recovery	Target Range
BRD Surrogate, soil	112.	50 - 150

*T. J. D. [Signature]*  
Laboratory Supervisor



SPECIALIZED ASSAYS  
ENVIRONMENTAL

2960 Foster Creighton Drive  
Nashville, Tennessee 37204

ANALYTICAL REPORT

SALEM ENVIRONMENTAL 6169  
ATTN: HARVEY DANNER  
6650-B PATTERSON AVENUE  
WINSTON-SALEM, NC 27113

Lab Number: 95-0081849

Sample ID: SA-7.5' L.M.

Date Collected: 5/31/95

Project:

Time Collected: 13:00

Project Name: L.M.

Date Received: 6/ 6/95

Sampler: DAVID EDES

Time Received: 9:00

State Certification: 287

Sample Type: Soil

Site I.D.:

Analyte	Result	Units	Quan Limit	Dil Factor	Date	Time	Analyst	Method
5030, Low Hydrocarbons % Dry Weight	< 5.00 86.8	mg/kg %	4.0	1	6/ 8/95	10:09	W. Klepper	8015
					6/ 7/95	7:26	D. Gerenser	CLP

\*\* QUALITY CONTROL DATA \*\*

\*\* Surrogate Recoveries \*\*

Surrogate	% Recovery	Target Range
BRD Surrogate, soil	111.	50 - 150

*T. J. Dulla*  
Laboratory Supervisor



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)**

Owner Name: BIHCO Corporation  
 Corporation, Individual, Public Agency, or Other Entity  
 Street Address: P.O. Box 3118  
 County: Forsyth  
 City: Winston-Salem NC Zip Code: 27102  
 Telephone Number: (910) 724-3661  
 (Area Code)

**II. Location of Tank(s)**

Facility Name: The Pet Grooming Shop  
 (or Company)  
 Facility ID # (if available): \_\_\_\_\_  
 Street Address: 3350 Valley Rd  
 (or State Road)  
 County: Forsyth City: W-5 Zip Code: 27104  
 Telephone Number: ( ) None  
 (Area Code)

**III. Contact Person**

Name: Larry Messick Job Title: Owner Tel. No.: 910/724-3661  
 Closure Contractor: Certifoam Serv. Address: POB 5535, W-5, NC 27113 Tel. No.: 910/661-9294  
 Primary Consultant: Andrew Raring Address: POB 381, Bethania, NC 27016 Tel. No.: 910/661-9245  
 Lab: Specialized Assays Address: POB 40566, Nashville, TN 37204 Tel. No.: 600/765-0980

**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	550	42x92	Gasoline		X		X		X
2	270	42x48	"		X		X		X

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.  
**NOTE:** The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After Jan. 1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.

**VII. Check List (Check the activities completed)**

**PERMANENT CLOSURE (For Removing or Abandoning-in-place)**

- 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: 5/31/95  
 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 approved manner. Safe way  
 Final tank destination: Tank Disposal; Colfax, 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: Larry Messick, Owner Signature: L. E. Messick Date Signed: 6/2/95