

CERTIFOAM SERVICES, INC.

P.O. BOX 5524

WINSTON-SALEM, N.C. 27113

919/ 659-8777

September 23, 1991

Mr. Tom Salley  
N.C. Division of Environmental Management  
Groundwater Section  
8025 North Point Blvd., Suite 100  
Winston-Salem, N.C. 27106

Tom:

Enclosed is a site assessment for one UST located at the maintenance shop of Piedmont Concrete in Winston-Salem. Either Mr. Joe Nelson or Mr. Donald Hart may be contacted regarding this report at 724-1511 between 8 AM & 4 PM.

Any of us will be glad to respond to any questions.

Sincerely,



Harvey C. Danner, Jr.  
President

cc/ Mr. Joe Nelson, Piedmont Concrete

500 Chase Street  
Piedmont Concrete  
W-S,  
723-0721

Site: Piedmont Concrete Company  
Maintenance Garage  
Waughtown Ave.  
Winston-Salem, NC 27107

### I. Description of Work

This report involves sampling at four points around a 8,000 gallon UST and one point at the pump for the purpose of closing the UST in place with inert foam fill. Notice of intent has been filed with the Winston-Salem Office of the Division of Environmental Management (DEM) prior to sampling.

### II. Area & Site Description

The site is located in a industrial/commercial area south of the intersection of Waughtown & Vargrave in southern Winston-Salem. From a drive-through of the area, no other USTs were located that could impact the soils around the UST to be sampled. The site is marked on a copy of the Winston-Salem East Quadrangle of the 7.5 Minute USGS Topo Series.

Although there were no other USTs, several aboveground storage tanks (ASTs) were present on site. However, these are all downgradient of the UST by 60-100 feet. Ground cover is gravel with drainage away from Waughtown to the rear of the lot.

The UST last contained gasoline, and all product has been removed. It is 11'3" to bottom. Lines were found by metal detector; one pump is connected to the UST.

### III. Field Operations

Samples were all collected at the following depths:

1A/1B/1C/1D: 14' 8" to 15' 4"

1E: 5' 6"

All were taken from undisturbed soil down the stem of a 3 1/2" hollow stem auger by hand auger. All augers were cleaned with tap water rinse, phosphate-free detergent wash and methanol rinse. They were allowed to dry completely before re-use.

Soils were placed in glass vials that were packed fully, then sealed with

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Piedmont Concrete/Waughtown, cont.

a teflon screw cap. They were put into an ice chest for transfer to the office where they were refrigerated until removal to the lab in another ice chest.

Additional soils from the hand auger were sealed in ziplock-type bags for flame ionization scanning in the field. Readings were as follows (in ppm):

1A: 40    1B: 25    1C: 40    1D: 30    1E: 25

Soil layers were also logged & classified as follows:

0-1': gravels	6-13': orange silty clay loam
1-4': orange silt loam	13-15': dark orange silty clay loam, micaceous
4-6': yellow silt clays	

#### IV. Lab Results & Assessment

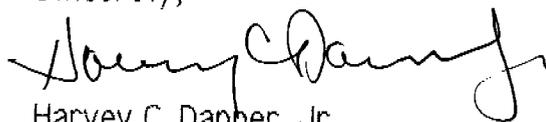
As the UST held gasoline, all samples were tested per EPA 5030 with SW-846 preparation. Original copies of the lab reports and chain of custody accompany the copy forwarded to the DEM.

The DEM considers samples with concentrations of 10 ppm or higher to require remediation in many cases. All five samples tested at under 1.0 ppm, which was the minimum detection limit.

These results correlate with the low FID readings taken on site. A tank tightness test was performed on the UST last year; results are available at Piedmont Concrete. Given the soil test results coupled with the earlier testing, there appears to be no need for additional investigation at the site and closure should proceed as planned.

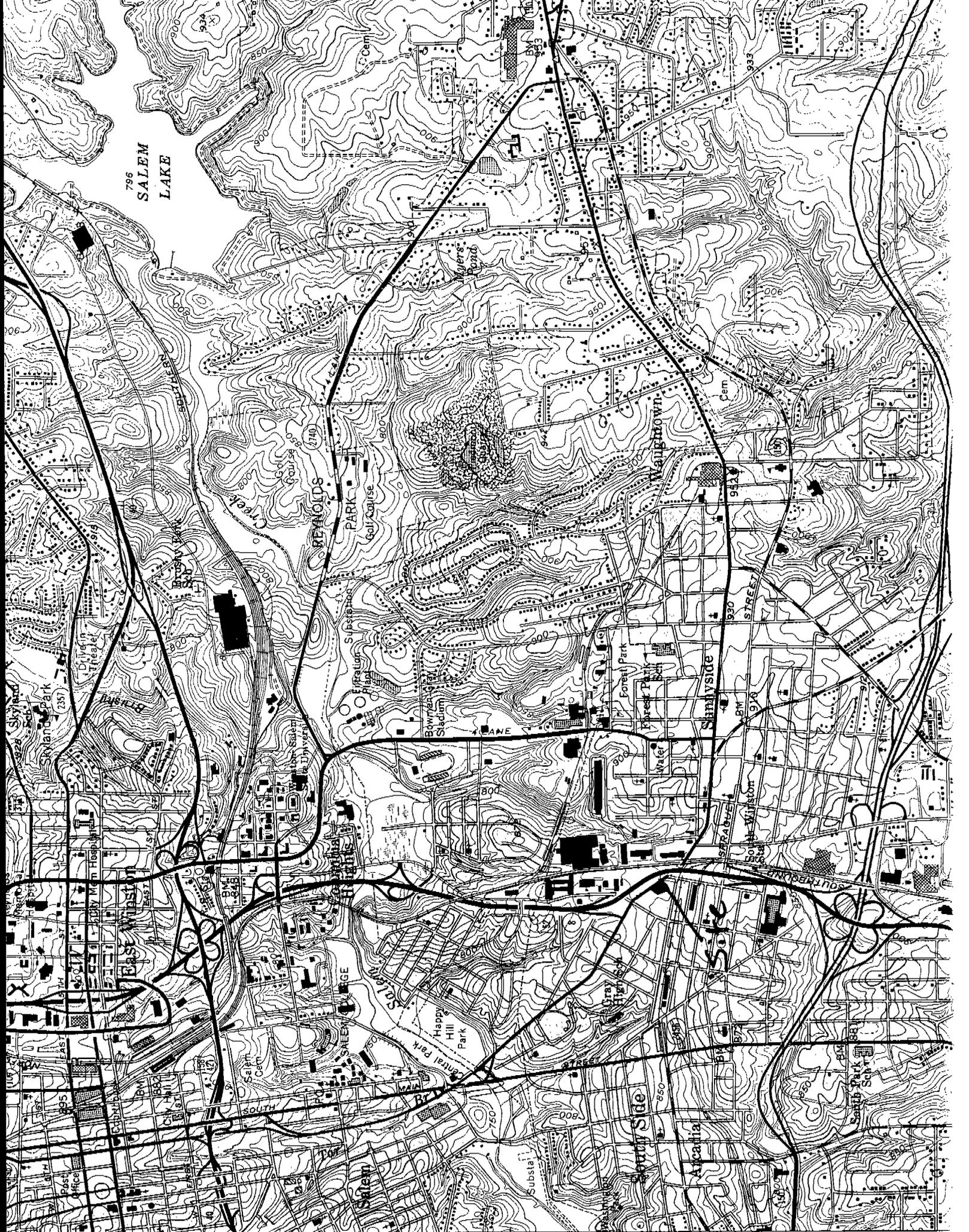
All work is warranted to comply with EPA, DEM and local regulations. The warranty applies to the time of testing and extends no express or implied guarantee against future acts impacting the site soils or groundwater.

Sincerely,

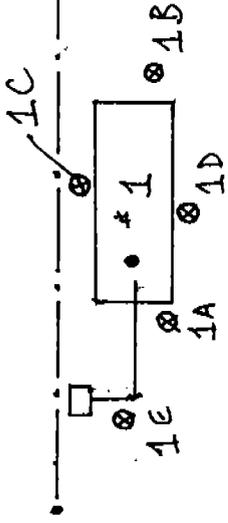


Harvey C. Danher, Jr.  
President

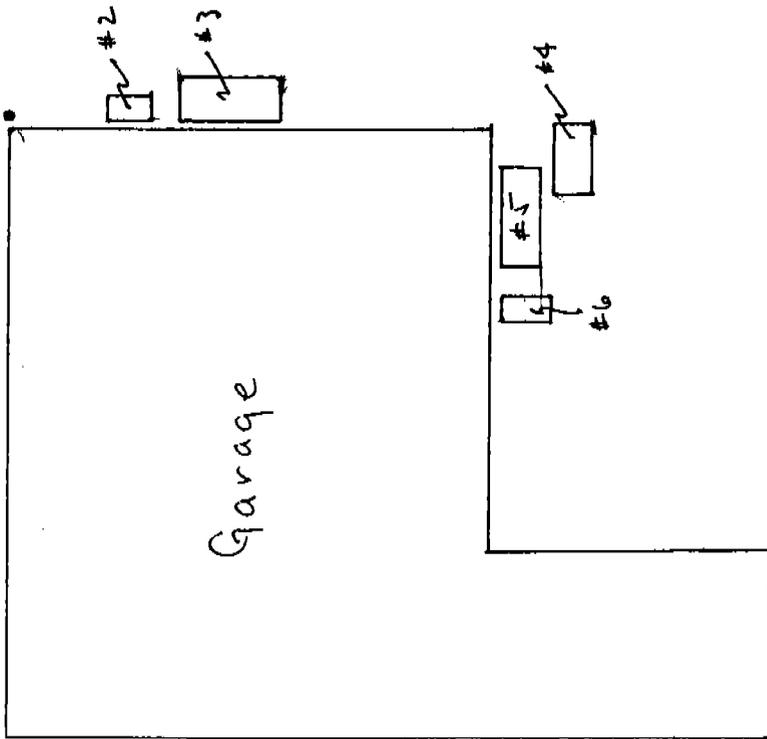
796  
SALEM  
LAKE



Waughtown Ave:



Slope ✓



Site: Piedmont Concrete Company  
Waughtown Ave.  
Winston - Salem, N.C. 27107

Scale: 1" = 20'

Key: #1 = 8000 UST / Gasoline

#2 = 275 AST / Kerosene

#3 = 1000 AST / motor oil

#4 = 550 AST / Waste oil

#5 = 1000 AST / heating oil

#6 = 275 AST / Varsol

⊗ = Sample Points w/ ID's.

Site: Piedmont Concrete Co.  
Waughtown Ave. Plant  
Winston-Salem, N.C.



### CHAIN OF CUSTODY RECORD

SAMPLE ID: #1A-PC/W  
TYPE OF SAMPLE: Soil  
LOCATION: \_\_\_\_\_  
DATE SAMPLED: 9/10/91 TIME SAMPLED: 1:02  
TESTS REQUESTED: 5030  
SIGNATURE: [Signature]

SAMPLE ID: #1D-PC/W  
TYPE OF SAMPLE: Soil  
LOCATION: \_\_\_\_\_  
DATE SAMPLED: 9/10/91 TIME SAMPLED: 12:17  
TESTS REQUESTED: 5030  
SIGNATURE: [Signature]

SAMPLE ID: #1B-PC/W  
TYPE OF SAMPLE: Soil  
LOCATION: \_\_\_\_\_  
DATE SAMPLED: 9/10/91 TIME SAMPLED: 10:12  
TESTS REQUESTED: 5030  
SIGNATURE: [Signature]

SAMPLE ID: #1E-PC/W  
TYPE OF SAMPLE: Soil  
LOCATION: \_\_\_\_\_  
DATE SAMPLED: 9/10/91 TIME SAMPLED: 1:33  
TESTS REQUESTED: 5030  
SIGNATURE: [Signature]

SAMPLE ID: #1C-PC/W  
TYPE OF SAMPLE: Soil  
LOCATION: \_\_\_\_\_  
DATE SAMPLED: 9/10/91 TIME SAMPLED: 11:08  
TESTS REQUESTED: 5030  
SIGNATURE: [Signature]

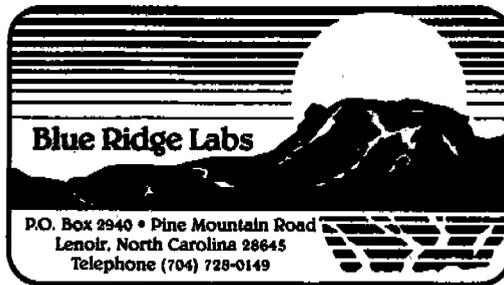
SAMPLE ID: \_\_\_\_\_  
TYPE OF SAMPLE: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
DATE SAMPLED: \_\_\_\_\_ TIME SAMPLED: \_\_\_\_\_  
TESTS REQUESTED: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

RELINQUISHED BY: [Signature]

DATE: 9/13/91 (3:02)

RELINQUISHED TO: [Signature]

NOTE: Use back for additional information and maps.



**CLIENT:** Certifoam Services, Inc.  
 P. O. Box 5524  
 Winston-Salem, NC 27113  
 Attention: Mr. H. Danner, Jr.

**DATE RECEIVED:** September 13, 1991

**DATE REPORTED:** September 16, 1991

<u>SAMPLE NUMBER</u>	<u>SAMPLE DESCRIPTION</u>
109-0764A	Soil; *1A-PC/W for 5030 TPH.
109-0764B	Soil; *1B-PC/W for 5030 TPH.
109-0764C	Soil; *1C-PC/W for 5030 TPH.
109-0764D	Soil; *1D-PC/W for 5030 TPH.
109-0764E	Soil; *1E-PC/W for 5030 TPH.

<u>PARAMETER</u>	<u>RESULTS</u>	<u>MQL</u>	<u>DATE STARTED</u>
109-0764A - 5030	1.0	1.0 mg/kg	9/13/91
109-0764B - 5030	*	1.0 mg/kg	9/13/91
109-0764C - 5030	*	1.0 mg/kg	9/13/91
109-0764D - 5030	*	1.0 mg/kg	9/13/91
109-0764E - 5030	*	1.0 mg/kg	9/13/91

**REPORTED BY:** *D. R. Wessinger*  
**D. R. Wessinger - General Manager**

\* Concentrations are below Minimum Detection Limit except where noted.