



Corporate Office

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**Harmon
Engineering
Associates, Inc.**

Consulting Engineers & Scientists

August 7, 1990

*copy as
assessment
RCVD
(PET DAIRY)*

RECEIVED
N.C. Dept. NRCD

AUG 14 1990

Winston-Salem
Regional Office

Mr. Andrew Raring
Regional Groundwater Supervisor
State of North Carolina
Department of Environmental Health and Natural Resources
8025 Northpoint Boulevard, Suite 100
Winston-Salem, North Carolina 27106

Re: Tank Removal Assessment
HE Project No. 1100-023-120

Dear Mr. Raring:

Harmon Environmental Services, Inc. (HE) was retained to perform a tank removal assessment for Land-O-Sun ((Pet Dairy)) located at 544 Chapel Hill Road in Burlington, North Carolina. One 8,000-gallon gasoline tank was removed from this former Pet Dairy site which is now "Carolina Cable Contractors". This tank's approximate location is shown in Figure 1.

HE arrived on the site on June 13, 1990 and pulled the tank from the pit. The tank showed no visual signs of corrosion. There was no hydrocarbon odor from the tank pit or excavated soil. No groundwater was encountered.

Soil samples were taken in accordance with North Carolina's specifications and as shown in Figure 2. Samples were taken from both ends of the tank and one from the middle of the tank. These samples were taken in undisturbed soil by the backhoe.

All samples were forwarded to Pace Incorporated's laboratory in Asheville by HE's geologist assigned to this project. All samples analyzed were below detectable limits for BTEX and TPHC. The soil pH analyzed at 6.63. Analytical results are summarized in Table 1, and are included as an attachment.

If you should have any questions, or if I can be of further assistance, please do not hesitate to call.

Sincerely,

HARMON ENGINEERING ASSOCIATES

David A. Mitchell, P.E., P.G.
Environmental Geologist

DAM:ps

Enclosures

Branch Offices

Harmon Engineering
Associates, Inc.
Bldg. 3, Suite 208
Riverchase Office Plaza
Birmingham, AL 35244
Phone (205) 988-8305
FAX (205) 988-5249

Deep South Laboratory
2809 Central Avenue
Homewood, AL 35209
Phone (205) 870-3830
FAX (205) 870-8507

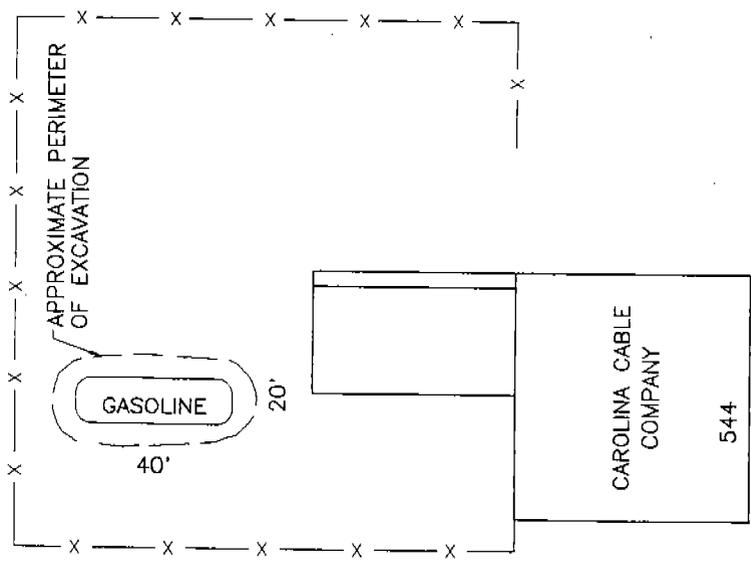
Moore Engineering
Company
555 North Section Street
P.O. Box 421
Fairhope, AL 36533
Phone (205) 928-8301
FAX (205) 928-2330

T A B L E 1

LABORATORY RESULTS
GASOLINE TANK PIT

SAMPLE NUMBER	MATRIX	ANALYSIS	RESULTS
G-7	SOIL	pH	6.63
G-7	SOIL	TPHC	ND
G-8	SOIL	TPHC	ND
G-9	SOIL	TPHC	ND
G-7	SOIL	BTEX	ND
G-8	SOIL	BTEX	ND
G-9	SOIL	BTEX	ND

ND - Not Detected



CHAPEL HILL ROAD

MALONE STREET

LTR.	REVISIONS	BY	DATE
	 HARMON ENGINEERING ASSOCIATES, INC. CONSULTING ENGINEERS & SCIENTISTS 1680 PUMPHREY AVE. AUBURN, AL 36880-4369 (205)921-9850		
	CLIENT LAND "O" SUN BURLINGTON, N.C.		
	TITLE SITE PLAN		
DATE	8-01-90	DRN BY	BTP
SCALE	N.T.S.	CHKD BY	DAM
		DWG. NUMBER	1100-023-120
			SHEET OF

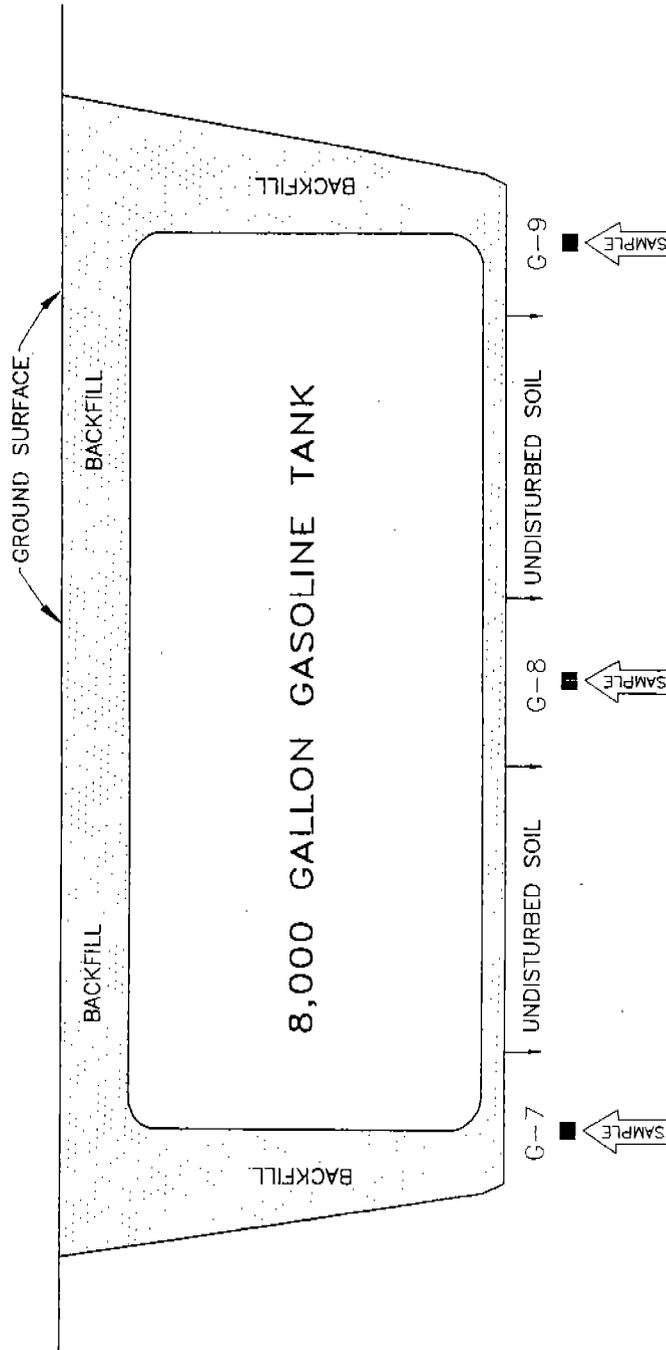


FIGURE 2

LTR.	REVISIONS	BY	DATE
 HARMON ENGINEERING ASSOCIATES, INC. CONSULTING ENGINEERS & SCIENTISTS 1650 PUMPHREY AVE. AUBURN, AL 36830-4399 (205)821-8250			
CLIENT		LAND "O" SUN	
TITLE			
TYPICAL SAMPLING N.C. TANKS SAMPLES TAKEN BY HAND AUGER & OR FROM BACKHOE			
DATE	DRN BY	DWG. NUMBER	SHEET
8-6-90	F.H.	1100-023-120	OF
SCALE	NTS	CHKD BY	D.A.M.

Mr. David Mitchell
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June 25, 1990
 PACE Project
 Number: 600614550

PACE Sample Number:	420810	420820	420830		
Date Collected:	06/12/90	06/12/90	06/12/90		
Date Received:	06/15/90	06/15/90	06/15/90		
Parameter	Units	MDL	G-7	G-8	G-9

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

pH	0.1	6.63	-	-
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ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total hydrocarbons as gasoline	mg/kg	5.0	ND	ND	ND
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MDL Method Detection Limit
 ND Not detected at or above the MDL.

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my supervision.



Charles M. Cabaniss
 Manager, Inorganic Chemistry



Paul R. Jenkins, Jr.
 Manager, Organic Chemistry

REPORT OF LABORATORY ANALYSIS

Client: Harmon Engineering
 Address: 2066 West Park Place
 Suite A-1
 Stone Mountain, GA 30087

Date: PACE Project # 600614.551
 PACE Client # 610927

Attn: David Mitchell

Sample Location: Soil G-7, G-8, & G-9
 Date Sample(s) Collected: 6/12/90
 Date Sample(s) Received: 6/14/90

PACE Sample Number: 42081, 42082, & 42083

PARAMETERS	MDL	UNITS	S A M P L E		
			G-7 42081	G-8 42082	G-9 42082
TPH	5.0	mg/kg	L 5.0	L 5.0	L 5.0
B,T,E,X:					
Benzene	75	ug/kg	ND	ND	ND
Toluene	120	ug/kg	ND	ND	ND
Ethyl benzene	110	ug/kg	ND	ND	ND
Xylenes	110	ug/kg	ND	ND	ND

MDL Method Detection Limit
 ND Not detected at or above the MDL.
 G Greater than
 L Less than

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my supervision.



J. Allen Spivey
 Director of Laboratory Services

