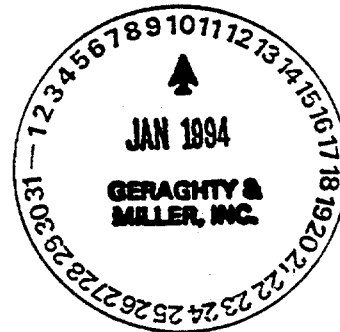




BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

1 East Uwchlan Avenue, Suite 112, Exton, Pennsylvania 19341-1281
(215) 524-9340 FAX: (215) 524-9415

PR0013. xxx
Project File Copy
Tube Room



January 5, 1994

Thomas V. Danahy
Geraghty & Miller, Inc.
201 West Passaic Street, 3rd Floor
Rochelle Park, NJ 07662

Re: Tank Excavation Sample Data, Tutu Wells Site, St. Thomas, USVI

Dear Mr. Danahy:

This letter is in response to your inquiry of December 9, 1993 regarding our data from the Western Auto tank excavations conducted October 19 through October 22, 1993. The apparent discrepancies stemmed from the fact that changes were made to the analysis request after the samples and chain-of-custody had been submitted to the laboratory. Since the original chain-of-custody was included in each data report without any reference to the subsequent changes, it appeared that the report did not include all of the data.

The attached chart should serve to clarify these changes. Also, we have included sample descriptions and a map indicating the location of each sample. All samples obtained by Blasland, Bouck & Lee were split with ENSR; however, ENSR's sample designations are not known to us.

We hope this information is helpful to you. Please feel free to contact us at (215)-524-9340 if you have any further questions regarding this matter.

Sincerely,

BLASLAND, BOUCK & LEE, INC.


David S. Coyne
Geologist


Thomas F. Maguire, C.P.G.
Associate

TUT 006 1308

TABLE 1. Changes in Laboratory Analyses, Western Auto Excavation Samples

SAMPLE NAME	COLLECTION DATE	DATA SOUGHT BY G & M	REASON FOR DISCREPANCY
PS-2	10/20	8270	Lab order changed; 8270 not run
PS-3	10/21	8270	Lab order changed; 8270 not run
WS-1	10/19	8240, 8270	All laboratory analyses canceled
WS-2	10/19	TPH Metals	TPH (GC) included; see attachment Lab order changed; metals not analyzed
WS-3	10/19	Metals	Lab order changed; metals not analyzed
SS-1	10/19	Metals	Lab order changed; metals not analyzed
SS-2	10/19	Metals	Lab order changed; metals not analyzed
SS-5	10/20	Metals	Lab order changed; metals not analyzed
SS-6	10/21	Metals	Lab order changed; metals not analyzed
SS-7	10/21	Metals	Lab order changed; metals not analyzed
SS-9	10/21	Metals	Lab order changed; metals not analyzed
SS-11	10/22	Metals	Lab order changed; metals not analyzed

TABLE 2. Sample Location Descriptions

SAMPLE	TIME	DATE	DESCRIPTION OF LOCATION
PS-4	2:54 pm	10/21/93	Waste oil from standing basin in room south of Western Auto service bays
PS-5	4:39 pm	10/21/93	Material from inside PVC line running from standing basin to Tank 1
PS-6	11:30 am	10/22/93	Material from inside pipe, broken, between excavations
WS-1	2:27 pm	10/19/93	Water from line chipped during Tank 1 excavation
SS-11	11:45 am	10/22/93	Soils outside broken area of line between excavations

LOADING DOCK

TW-6
(TD = 1.2' BLS
SOFT RED CLAY
CEMENT)

TW-7
(TD = 1.2' BLS
CONCRETE)

APPROX.
200 GALLON
DIESEL (?) TANK
(ABOVE GROUND)

DOORWAY

UNDERGROUND
STORAGE
TANK NO. 2
(DIESEL)

SERVICE
BAY NO. 1

WESTERN AUTO

SERVICE
BAY NO. 2

SERVICE
BAY NO. 3

UNDERGROUND STORAGE
TANK NO. 1 (WASTE OIL)

W/S-1
(NOT ANALYZED)

TANK 1

PS-4

BASIN

PS-5

LEGEND

CARIBBEAN HYDRO-TECH
SOIL BORING PERFORMED
IN NOVEMBER/DECEMBER
1992



ESTIMATED LOCATION OF
UNDERGROUND STORAGE
TANK

TD TOTAL DEPTH

WT WATER TABLE

BLS BELOW LAND SURFACE

APPROX. 300 GALLON
DIESEL (?) TANK
EARTH STEEL STAIRWAY

PUMP ROOM

FOUR WINDS PLAZA

SCALE
15
FEET

TUT 006 1310



Lancaster Laboratories
Where quality is a science.

03:20:48 397620
ASR000 D 2 3
06734 0

Blasland, Bouck & Lee
1 East Uwchlan Avenue, Ste 112
Exton, PA 19341-1281

WS-2 Grab Water Sample
Esso Tutu / 58101

WS-2- SDG# BLA11-02
TPH by GC-FID (Waters)
Gasoline
Kerosene
Diesel/#2 Fuel

RESULT AS RECEIVED	
200.	mg/l
< 200.	mg/l
< 200.	mg/l

LIMIT OF QUANTITATION	LAB CODE
200.	482900000P
200.	483000000P
200.	483100000P

LLI Sample No. WW 2042573
Date Reported 11/ 5/93
Date Submitted 10/23/93
Discard Date 11/13/93
Collected 10/20/93 by DC
Time Collected 0943
P.O. 58101
Rel.

See attached fingerprint comment.

1 COPY TO Blasland, Bouck & Lee
1 COPY TO Data Package Group

ATTN: Mr. Thomas Maguire

Questions? Contact Environmental
Client Services at (717) 656-2301

Respectfully Submitted
Lancaster Laboratories, Inc.



Lancaster Laboratories, Inc.
2425 New Holland Pike
Lancaster, PA 17601-5994
717-656-2301

Delwyn K. Schumacher, B.S.
Group Leader, ExpressLAB

See reverse side for explanation of symbols and abbreviations.



TUT 006 1311



Lancaster Laboratories

Where quality is a science.

LLI Sample No. WW 2042573

WS-2 Grab Water Sample
Esso Tutu / 58101

Analysis: 4828

The GC Fingerprint for this sample indicates the presence of a mixture of petroleum distillates. The early eluting (more volatile) portion of the fingerprint is a pattern of peaks similar to the pattern for our gasoline reference standard. Differences in relative peak intensities and ratios suggest that the gasoline in the sample may be weathered. When we calculate this distillate as gasoline, it is present at 200 mg/l in the sample. The later eluting portion of the fingerprint is an area of unresolved peaks typical of our lubricating oil reference standards. The sample pattern is similar to the pattern for our 10 W 40 motor oil reference standard. When we calculate this distillate as 10 W 40 motor oil, it is present at 1,400 mg/l in the sample.

Consider the quantitations approximations due to the differences between the sample pattern and those of our reference standards.



Lancaster Laboratories, Inc.
1225 New Holland Pike
Lancaster, PA 17601-9994
717-656-2301
Questions? Contact Environmental
Client Services at (717) 656-2301

Respectfully Submitted
Lancaster Laboratories, Inc.

Delwyn K. Schumacher, B.S.

See reverse side for explanation of symbols and abbreviations.

TUT 006 1312

