

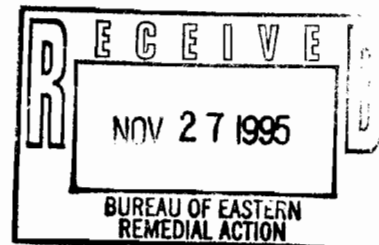


130021  
JG  
710504  
S. H. H.

301 W. Lancaster Avenue  
Reading, PA 19607  
Telephone (610) 777-8200  
Facsimile (610) 777-8430

November 22, 1995

Mr. Akhil Verma, OSC  
ERRD-RAB  
U. S. Environmental Protection Agency  
Building 209  
2890 Woodbridge Avenue  
Edison, New Jersey 08837



**Subject:** *Dry well remediation at the Anchor Chemical site, 500 West John Street, Hicksville, Nassau County, New York.*

Dear Mr. Verma:

Dry well remediation activities conducted at the above referenced site on September 29 and 30, 1995 resulted in the generation of approximately 24 cubic yards of sediment. This sediment has been containerized on site since completion of the remedial activities. Waste characterization analyses conducted on samples submitted to Lancaster Laboratories, Inc. of Leola, Pennsylvania, indicate that the sediment is not hazardous. A summary of parameters detected is provided in Table 1 of Attachment A and copies of the laboratory analytical data sheets are provided in Attachment B.

Review of Table 1 shows that there are no parameters of concern in this sediment. Please be advised that Apex intends to dispose of this material at Soil Safe Incorporated (MDN000000004) located at 4600 East Fayette Street, Baltimore, Maryland. Soil Safe will recycle the material using stabilization/solidification (method T39) to create soil cement. The material will be transported to Soil Safe by National Waste Disposal Corporation (NY0000380923) located at 2131 Pond Road, Ronkonkoma, New York. Additionally, the sediment in the roll-off containers has settled out of suspension, creating a layer of water on top of the sediment. Apex estimates that approximately 50 percent of the material contained in the roll-offs (i.e. approximately 2,500 gallons) is water. As the presence of this water creates a transportation hazard, A.B. Oil (NYD987023371), 1699 Ocean Avenue, Bohemia, New York will be utilized to vacuum the water out of the dumpsters and transport it to Paradise Heating Oil, Inc. (NY0000041830), located on Quimby Street, P.O. Box 687, Ossining, New York, for recycling by atmospheric vacuum thermal distillation.

In the event that any of the above references companies cannot be utilized, the following alternative companies may be contracted:

Water Transporter:      Able Environmental  
1699 Ocean Avenue  
Bohemia, NY 11716  
EPA ID #: NYR000003582

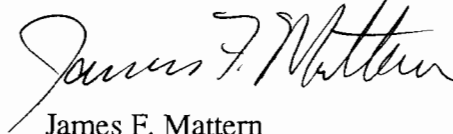
NOV 27 1995

# Apexenvironmental, inc.

Water Disposal Facility: New York Oil Recovery  
94 Hausman Street  
Brooklyn, NY  
EPA ID #: NYD981141872  
Disposal Method: Filtration and Blending

Should you have any questions regarding this information, please feel free to contact Ms. Kelly Lee Kinkaid of my staff, or me, at (610) 777-8200.

Sincerely,  
**Apex Environmental, Inc.**



James F. Mattern  
Regional Manager

## ATTACHMENTS

cc: T. Taccone, USEPA  
M. O'Toole, NYSDEC  
Maryland Department of the Environment  
J. O'Brien, Bogut and O'Brien  
P. Shatzkin, Shatzkin & Furman L.L.P.

**ATTACHMENT A**

Summary of Laboratory Results

<b>TABLE 1</b> <b>Summary of Parameters Detected In the Dry Well Waste Composite Sample</b> <b>Anchor Chemical Site</b> <b>Hicksville, New York</b>		
Parameter	Sediment Composite Sample	Hazard Classification Limit
CHARACTERISTIC WASTE PARAMETERS		
pH	7.09	< 2 or > 12.5
INORGANIC PARAMETERS AS ANALYZED BY TCLP (reported in mg/l)		
Aluminum	0.76	not listed
Barium	1.32	100 mg/l
Cadmium	0.034	1.0 mg/l
Calcium	4.75	not listed
Copper	.101	not listed
Lead*	0.10	5.0 mg/l
Magnesium	14.7	not listed
Manganese	0.877	not listed
Nickel	0.081	not listed
Potassium	1.98	not listed
Sodium	1,420	not listed
Zinc	10.5	not listed
Chromium*	< 0.03	5.0 mg/l
VOLATILE ORGANIC PARAMETERS AS ANALYZED BY TCLP (in ug/l)		
1,1-Dichloroethane	6	not listed
2-Butanone	27	not listed
1,1,1-Trichloroethane	14	not listed
Toluene	14	not listed
Ethylbenzene	6	not listed
Xylene (total)	91	not listed
OTHER PARAMETERS (concentration reported as dry weight)		
Petroleum Hydrocarbons	9,300 mg/kg	not listed

mg/l = milligram per liter      ug/l = microgram per liter      mg/kg = milligram per kilogram

\* = This parameter are included in Table 1 as they are target parameters for the site.

**NOTE:** NO SEMI-VOLATILES, PESTICIDES, HERBICIDES, OR PCBS AS ANALYZED BY TCLP WERE DETECTED IN THIS SAMPLE.

## ATTACHMENT B

Laboratory Analytical Data Sheets



**Lancaster Laboratories**  
Where quality is a science.

Page: 1 of 1

LLI Sample No. SW 2393182  
Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95  
Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED			DRY WEIGHT		
		RESULTS	LIMIT OF QUANTITATION	UNITS	RESULTS	LIMIT OF QUANTITATION	
1123	Cyanide (Reactivity)	< 100.	100.	mg/kg			
1503	Total Organic Halogen	< 50.	50.	mg/kg	< 70.	70.	
Total organic halogen (TOX) is a surrogate measurement used to estimate the total quantity of halogenated organic material in a sample. Duplicate determinations are required for the method, in order to evaluate random bias. The results of both determinations for this sample were less than the Limit of Quantitation.							
5895	Total Cyanide (solid)	8.7	0.2	mg/kg	12.	0.3	
0111	Moisture	25.9	0.5	% by wt.			
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.							
0394	pH	7.09	0.01				
The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min.							
0496	Corrosivity	See Below		See Below			
Corrosivity: The pH of a 1:1 slurry (with deionized water) was 7.09 indicating that the waste is not corrosive. A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12.5.							
0542	Ignitability	See Below		See Below			
The sample did not spontaneously ignite when exposed to air or water. The sample did not ignite by friction. The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.							
1121	Reactivity	See Below		See Below			
Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.							
1122	Sulfide (Reactivity)	< 50.	50.	mg/kg			
1562	Petroleum Hydrocarbons	6,900.	600.	mg/kg	9,300.	800.	
1820	Paint Filter Test	See Below		See Below			
This sample exhibits no free liquid according to SW-846, method 9095.							

1 COPY TO Apex Environmental, Inc.

ATTN: Mr. James Mattern

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300  
05:28:55 D 0001 3 122004 486432  
558 55.00 00042500 ASR000

Respectfully Submitted  
Ramona V. Layman, Group Leader  
ICP Metals/Leachates



Lancaster Laboratories  
2425 New Holland Pike  
P.O. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

See reverse side for explanation of symbols and abbreviations.



#2216  
9/13/90



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Where quality is a science.

Page: 1 of 6

LLI Sample No. TL 2393183  
Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95  
Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
Rel.

## AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
1335	Arsenic	< 0.10	0.10	mg/l
1336	Selenium	< 0.20	0.20	mg/l
1722	Thallium	< 0.50	0.50	mg/l
1743	Aluminum	0.76	0.20	mg/l
1744	Antimony	< 0.20	0.20	mg/l
1746	Barium	1.32	0.10	mg/l
1749	Cadmium	0.034	0.010	mg/l
1750	Calcium	94.0	0.20	mg/l
1751	Chromium	< 0.030	0.030	mg/l
1752	Cobalt	< 0.050	0.050	mg/l
1753	Copper	0.101	0.025	mg/l
1755	Lead	0.96	0.10	mg/l
1757	Magnesium	14.7	0.10	mg/l
1758	Manganese	0.877	0.010	mg/l
1761	Nickel	0.081	0.050	mg/l
1762	Potassium	1.98	0.50	mg/l
1766	Silver	< 0.020	0.020	mg/l
1767	Sodium	1,420	4.0	mg/l
1771	Vanadium	< 0.015	0.015	mg/l
1772	Zinc	10.5	0.025	mg/l
0259	Mercury	< 0.00020	0.00020	mg/l

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in the June 29, 1990 Federal Register. A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic	5.0	Cadmium	1.0	Lead	5.0	Selenium	1.0
Barium	100.0	Chromium	5.0	Mercury	0.2	Silver	5.0

The limits are published in March 29, 1990 Federal Register, pp. 11845-6.

9001	Chlordane	< 2.0	2.0	ug/l
Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation limits obtainable.				
9002	3 or 4-Methylphenol	< 10.	10.	ug/l
9003	Pyridine	< 10.	10.	ug/l
0937	TCL Pesticides in Waters			See Page 3

1 COPY TO Apex Environmental, Inc.

ATTN: Mr. James Mattern

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300  
05:29:03 D 0001 3 122004 486432  
558 110.00 00131000 ASR000

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
P.O. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

See reverse side for explanation of symbols and abbreviations.



#2216  
9/13/90



## Lancaster Laboratories

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Page: 2 of 6

LLI Sample No. TL 2393183

Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95

Discard: 11/ 7/95

Stockpile DW Composite Soil Sample

TCLP NON-VOLATILE EXTRACTION

Anchor Chemical Job #951.034

Account No: 07113

Apex Environmental, Inc.

301 W Lancaster Avenue

Shillington, PA 19607-2415

P.O. 951.034

Rel.

### AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
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#### TCLP Herbicides

0952	TCLP Herbicides		See Page	4
4678	TCL SW846 Semivolatiles/Waters		See Page	5
4679	TCL SW846 Semivolatiles/Waters		See Page	6

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Ramona V. Layman, Group Leader  
ICP Metals/Leachates



Lancaster Laboratories  
2425 New Holland Pike  
P.O. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

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#2216  
9/13/90





LLI Sample No. TL 2393183  
Collected: 10/ 3/95

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Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
Rel.

## AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Pesticides in Waters				
1600	Alpha BHC	< 0.05	0.05	ug/l
1602	Gamma BHC - Lindane	< 0.05	0.05	ug/l
1604	Heptachlor	< 0.05	0.05	ug/l
1606	Heptachlor Epoxide	< 0.05	0.05	ug/l
1610	Dieldrin	< 0.05	0.05	ug/l
1607	DDE	< 0.05	0.05	ug/l
1611	Endrin	< 0.05	0.05	ug/l
1860	Methoxychlor	< 0.3	0.3	ug/l
1361	Alpha Chlordane	< 0.05	0.05	ug/l
1362	Gamma Chlordane	< 0.05	0.05	ug/l
1613	Toxaphene	< 20.	20.	ug/l
1619	PCB-1016	< 5.	5.	ug/l
1620	PCB-1221	< 5.	5.	ug/l
1621	PCB-1232	< 5.	5.	ug/l
1622	PCB-1242	< 5.	5.	ug/l
1623	PCB-1248	< 5.	5.	ug/l
1624	PCB-1254	< 5.	5.	ug/l
1626	PCB-1260	< 5.	5.	ug/l

Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation limits obtainable.

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
P.O. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

See reverse side for explanation of symbols and abbreviations.



#2216  
9/13/90



## Lancaster Laboratories

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Page: 4 of 6

LLI Sample No. TL 2393183

Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95

Discard: 11/ 7/95

Stockpile DW Composite Soil Sample

TCLP NON-VOLATILE EXTRACTION

Anchor Chemical Job #951.034

Account No: 07113

Apex Environmental, Inc.

301 W Lancaster Avenue

Shillington, PA 19607-2415

P.O. 951.034

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
------------	---------------	---------	--------------------------	-------

TCLP Herbicides

1979	2,4-D	< 0.1	0.1	mg/l
1980	2,4,5-TP	< 0.1	0.1	mg/l

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample extraction.

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
P.O. Box 12425  
Lancaster, PA 17605-2425  
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See reverse side for explanation of symbols and abbreviations.



#2216  
9/13/90



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Page: 5 of 6

LLI Sample No. TL 2393183  
Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95  
Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL SW846 Semivolatiles/Waters				
3884	1,4-dichlorobenzene	< 10.	10.	ug/l
4680	2-methylphenol	< 10.	10.	ug/l
3902	hexachloroethane	< 10.	10.	ug/l
3910	nitrobenzene	< 10.	10.	ug/l
3906	naphthalene	< 10.	10.	ug/l
3900	hexachlorobutadiene	< 10.	10.	ug/l
3872	4-chloro-3-methylphenol	< 10.	10.	ug/l
3905	2-methylnaphthalene	< 10.	10.	ug/l
3923	2,4,6-trichlorophenol	< 10.	10.	ug/l
3922	2,4,5-trichlorophenol	< 10.	10.	ug/l

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Jon S. Kauffman, Ph.D.  
Manager, Environmental Science



Lancaster Laboratories  
2425 New Holland Pike  
PO. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

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#2216  
9/13/90



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Page: 5 of 6

LLI Sample No. TL 2393183

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Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
Rel.

## AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
------------	---------------	---------	--------------------------	-------

TCL SW846 Semivolatiles/Waters

3894	2,4-dinitrotoluene	< 10.	10.	ug/l
3899	hexachlorobenzene	< 10.	10.	ug/l
3916	pentachlorophenol	< 25.	25.	ug/l
3917	phenanthrene	< 10.	10.	ug/l
3859	anthracene	< 10.	10.	ug/l
3880	di-n-butyl phthalate	< 10.	10.	ug/l
3897	fluoranthene	< 10.	10.	ug/l
3919	pyrene	< 10.	10.	ug/l
3870	butyl benzyl phthalate	< 10.	10.	ug/l
3860	benzo (a) anthracene	< 10.	10.	ug/l
3868	bis (2-ethylhexyl) phthalate	< 10.	10.	ug/l
3876	chrysene	< 10.	10.	ug/l
3861	benzo (b) fluoranthene	< 10.	10.	ug/l
3862	benzo (k) fluoranthene	< 10.	10.	ug/l
3864	benzo (a) pyrene	< 10.	10.	ug/l
3903	indeno (1,2,3-cd) pyrene	< 10.	10.	ug/l

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Jon S. Kauffman, Ph.D.  
Manager, Environmental Science



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#2216  
9/13/90



**Lancaster Laboratories**  
*Where quality is a science.*

Page: 1 of 2

LLI Sample No. TL 2393184  
Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95  
Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
TCLP ZERO HEADSPACE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - water			See Page 2

1 COPY TO Apex Environmental, Inc.

ATTN: Mr. James Mattern

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300  
05:29:31 D 0001 3 122004 486432  
558 140.00 00040000 ASR000

Respectfully Submitted  
Ramona V. Layman, Group Leader  
ICP Metals/Leachates



Lancaster Laboratories  
2425 New Holland Pike  
PO. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

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#2216  
9/13/90



**Lancaster Laboratories**

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Page: 2 of 2

LLI Sample No. TL 2393184

Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95

Discard: 11/ 7/95

Stockpile DW Composite Soil Sample

TCLP ZERO HEADSPACE EXTRACTION

Anchor Chemical Job #951.034

Account No: 07113

Apex Environmental, Inc.

301 W Lancaster Avenue

Shillington, PA 19607-2415

P.O. 951.034

Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
3492	Vinyl Chloride	< 5.	5.	ug/l
3500	1,1-Dichloroethene	< 5.	5.	ug/l
3501	1,1-Dichloroethane	5.	5.	ug/l
3503	Chloroform	< 5.	5.	ug/l
3504	1,2-Dichloroethane	< 5.	5.	ug/l
0316	2-Butanone	27.	10.	ug/l
3505	1,1,1-Trichloroethane	14.	5.	ug/l
3506	Carbon Tetrachloride	< 5.	5.	ug/l
3511	Trichloroethene	< 5.	5.	ug/l
3515	Benzene	< 5.	5.	ug/l
3522	Tetrachloroethene	< 5.	5.	ug/l
3524	Toluene	14.	5.	ug/l
3525	Chlorobenzene	< 5.	5.	ug/l
3526	Ethylbenzene	5.	5.	ug/l
3529	Xylene (total)	91.	5.	ug/l

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Michele McClarin, B.A.  
Group Leader, GC/MS Volatiles



Lancaster Laboratories  
2425 New Holland Pike  
P.O. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

See reverse side for explanation of symbols and abbreviations.



#2216  
9/13/90



301 WEST LANCASTER AVENUE  
READING, PENNSYLVANIA, 19607  
TELEPHONE: (215) 777-8200

# CHAIN OF CUSTODY RECORD

Ac 100 # 7113  
100 # 239382-9

[illegible]

Distribution: WHITE => original (accompanies samples; returned with results) : YELLOW => laboratory copy : PINK => sampler's copy



301 W. Lancaster Avenue  
Reading, PA 19607  
Telephone (610) 777-8200  
Facsimile (610) 777-8430

November 22, 1995

Mr. Akhil Verma, OSC  
ERRD-RAB  
U. S. Environmental Protection Agency  
Building 209  
2890 Woodbridge Avenue  
Edison, New Jersey 08837

**Subject:**      *Dry well remediation at the Anchor Chemical site, 500 West John Street,  
Hicksville, Nassau County, New York.*

Dear Mr. Verma:

Dry well remediation activities conducted at the above referenced site on September 29 and 30, 1995 resulted in the generation of approximately 24 cubic yards of sediment. This sediment has been containerized on site since completion of the remedial activities. Waste characterization analyses conducted on samples submitted to Lancaster Laboratories, Inc. of Leola, Pennsylvania, indicate that the sediment is not hazardous. A summary of parameters detected is provided in Table 1 of Attachment A and copies of the laboratory analytical data sheets are provided in Attachment B.

Review of Table 1 shows that there are no parameters of concern in this sediment. Please be advised that Apex intends to dispose of this material at Soil Safe Incorporated (MDN000000004) located at 4600 East Fayette Street, Baltimore, Maryland. Soil Safe will recycle the material using stabilization/solidification (method T39) to create soil cement. The material will be transported to Soil Safe by National Waste Disposal Corporation (NY0000380923) located at 2131 Pond Road, Ronkonkoma, New York. Additionally, the sediment in the roll-off containers has settled out of suspension, creating a layer of water on top of the sediment. Apex estimates that approximately 50 percent of the material contained in the roll-offs (i.e. approximately 2,500 gallons) is water. As the presence of this water creates a transportation hazard, A.B. Oil (NYD987023371), 1699 Ocean Avenue, Bohemia, New York will be utilized to vacuum the water out of the dumpsters and transport it to Paradise Heating Oil, Inc. (NY0000041830), located on Quimby Street, P.O. Box 687, Ossining, New York, for recycling by atmospheric vacuum thermal distillation.

In the event that any of the above references companies cannot be utilized, the following alternative companies may be contracted:

Water Transporter:	Able Environmental
	1699 Ocean Avenue
	Bohemia, NY 11716
	EPA ID #: NYR000003582

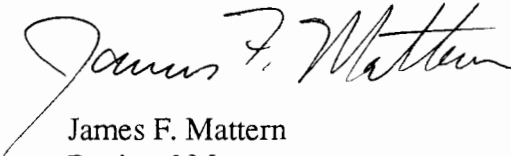


# Apexenvironmental, inc.

Water Disposal Facility: New York Oil Recovery  
94 Hausman Street  
Brooklyn, NY  
EPA ID #: NYD981141872  
Disposal Method: Filtration and Blending

Should you have any questions regarding this information, please feel free to contact Ms. Kelly Lee Kinkaid of my staff, or me, at (610) 777-8200.

Sincerely,  
**Apex Environmental, Inc.**



James F. Mattern  
Regional Manager

## ATTACHMENTS

cc: T. Taccone, USEPA  
M. O'Toole, NYSDEC  
Maryland Department of the Environment  
J. O'Brien, Bogut and O'Brien  
P. Shatzkin, Shatzkin & Furman L.L.P.

ATTACHMENT A

Summary of Laboratory Results

<b>TABLE 1</b> <b>Summary of Parameters Detected In the Dry Well Waste Composite Sample</b> <b>Anchor Chemical Site</b> <b>Hicksville, New York</b>		
Parameter	Sediment Composite Sample	Hazard Classification Limit
CHARACTERISTIC WASTE PARAMETERS		
pH	7.09	< 2 or > 12.5
INORGANIC PARAMETERS AS ANALYZED BY TCLP (reported in mg/l)		
Aluminum	0.76	not listed
Barium	1.32	100 mg/l
Cadmium	0.034	1.0 mg/l
Calcium	4.75	not listed
Copper	.101	not listed
Lead*	0.10	5.0 mg/l
Magnesium	14.7	not listed
Manganese	0.877	not listed
Nickel	0.081	not listed
Potassium	1.98	not listed
Sodium	1,420	not listed
Zinc	10.5	not listed
Chromium*	< 0.03	5.0 mg/l
VOLATILE ORGANIC PARAMETERS AS ANALYZED BY TCLP (in ug/l)		
1,1-Dichloroethane	6	not listed
2-Butanone	27	not listed
1,1,1-Trichloroethane	14	not listed
Toluene	14	not listed
Ethylbenzene	6	not listed
Xylene (total)	91	not listed
OTHER PARAMETERS (concentration reported as dry weight)		
Petroleum Hydrocarbons	9,300 mg/kg	not listed

mg/l = milligram per liter      ug/l = microgram per liter      mg/kg = milligram per kilogram

\* = This parameter are included in Table 1 as they are target parameters for the site.

**NOTE:** NO SEMI-VOLATILES, PESTICIDES, HERBICIDES, OR PCBS AS ANALYZED BY TCLP WERE DETECTED IN THIS SAMPLE.

**ATTACHMENT B**

Laboratory Analytical Data Sheets



**Lancaster Laboratories**  
Where quality is a science.

Page: 1 of 1

LLI Sample No. SW 2393182

Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95

Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
1123	Cyanide (Reactivity)	< 100.	100.	mg/kg
1503	Total Organic Halogen	< 50.	50.	mg/kg
	Total organic halogen (TOX) is a surrogate measurement used to estimate the total quantity of halogenated organic material in a sample. Duplicate determinations are required for the method, in order to evaluate random bias. The results of both determinations for this sample were less than the Limit of Quantitation.			
5895	Total Cyanide (solid)	8.7	0.2	mg/kg
0111	Moisture	25.9	0.5	% by wt.
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
0394	pH	7.09	0.01	
	The pH was performed on a 1:1 slurry (25 gms. of sample and 25 ml. of deionized water) after being tumbled for 30 min.			
0496	Corrosivity	See Below		See Below
	Corrosivity: The pH of a 1:1 slurry (with deionized water) was 7.09 indicating that the waste is not corrosive. A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12.5.			
0542	Ignitability	See Below		See Below
	The sample did not spontaneously ignite when exposed to air or water. The sample did not ignite by friction. The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.			
1121	Reactivity	See Below		See Below
	Reactivity: The sample was extracted by the interim method described in SW 846, Chapter 7.3. This solution was analyzed for cyanide and sulfide. This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg. These interim threshold limits were established by the Solid Waste Branch of EPA, July, 1992. These results do not reflect total cyanide or total sulfide.			
1122	Sulfide (Reactivity)	< 50.	50.	mg/kg
1562	Petroleum Hydrocarbons	6,900.	600.	mg/kg
1820	Paint Filter Test	See Below		See Below
	This sample exhibits no free liquid according to SW-846, method 9095.			

DRY WEIGHT

RESULTS	LIMIT OF QUANTITATION
< 70.	70.
12.	0.3
9,300.	800.

1 COPY TO Apex Environmental, Inc.

ATTN: Mr. James Mattern

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300  
05:28:55 D 0001 3 122004 486432  
558 55.00 00042500 ASR000

Respectfully Submitted  
Ramona V. Layman, Group Leader  
ICP Metals/Leachates



Lancaster Laboratories  
2425 New Holland Pike  
PO. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

See reverse side for explanation of symbols and abbreviations.



#2216  
9/13/90



LLI Sample No. TL 2393183  
Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95  
Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
1335	Arsenic	< 0.10	0.10	mg/l
1336	Selenium	< 0.20	0.20	mg/l
1722	Thallium	< 0.50	0.50	mg/l
1743	Aluminum	0.76	0.20	mg/l
1744	Antimony	< 0.20	0.20	mg/l
1746	Barium	1.32	0.10	mg/l
1749	Cadmium	0.034	0.010	mg/l
1750	Calcium	94.0	0.20	mg/l
1751	Chromium	< 0.030	0.030	mg/l
1752	Cobalt	< 0.050	0.050	mg/l
1753	Copper	0.101	0.025	mg/l
1755	Lead	0.96	0.10	mg/l
1757	Magnesium	14.7	0.10	mg/l
1758	Manganese	0.877	0.010	mg/l
1761	Nickel	0.081	0.050	mg/l
1762	Potassium	1.98	0.50	mg/l
1766	Silver	< 0.020	0.020	mg/l
1767	Sodium	1,420.	4.0	mg/l
1771	Vanadium	< 0.015	0.015	mg/l
1772	Zinc	10.5	0.025	mg/l
0259	Mercury	< 0.00020	0.00020	mg/l

The metal analyses were performed on a non-volatile leachate prepared according to the procedure specified in the June 29, 1990 Federal Register. A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards):

Arsenic 5.0	Cadmium 1.0	Lead 5.0	Selenium 1.0
Barium 100.0	Chromium 5.0	Mercury 0.2	Silver 5.0

The limits are published in March 29, 1990 Federal Register, pp. 11845-6.  
9001 Chlordane < 2. ug/l  
Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation limits obtainable.

9002 3 or 4-Methylphenol < 10. 10. ug/l  
9003 Pyridine < 10. 10. ug/l  
0937 TCL Pesticides in Waters See Page 3

1 COPY TO Apex Environmental, Inc.

ATTN: Mr. James Mattern

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300  
05:29:03 D 0001 3 122004 486432  
558 110.00 00131000 ASR000

Respectfully Submitted  
Jennifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
PO. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

See reverse side for explanation of symbols and abbreviations.



#2216  
9/13/90



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Page: 2 of 6

LLI Sample No. TL 2393183  
Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95  
Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
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## AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
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### TCLP Herbicides

0952	TCLP Herbicides		See Page	4
4678	TCL SW846 Semivolatiles/Waters		See Page	5
4679	TCL SW846 Semivolatiles/Waters		See Page	6

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Ramona V. Layman, Group Leader  
ICP Metals/Leachates



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2425 New Holland Pike  
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Lancaster, PA 17605-2425  
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Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113

Apex Environmental, Inc.

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Shillington, PA 19607-2415

P.O. 951.034

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## AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Pesticides in Waters				
1600	Alpha BHC	< 0.05	0.05	ug/l
1602	Gamma BHC - Lindane	< 0.05	0.05	ug/l
1604	Heptachlor	< 0.05	0.05	ug/l
1606	Heptachlor Epoxide	< 0.05	0.05	ug/l
1610	Dieldrin	< 0.05	0.05	ug/l
1607	DDE	< 0.05	0.05	ug/l
1611	Endrin	< 0.05	0.05	ug/l
1860	Methoxychlor	< 0.3	0.3	ug/l
1361	Alpha Chlordane	< 0.05	0.05	ug/l
1362	Gamma Chlordane	< 0.05	0.05	ug/l
1613	Toxaphene	< 20.	20.	ug/l
1619	PCB-1016	< 5.	5.	ug/l
1620	PCB-1221	< 5.	5.	ug/l
1621	PCB-1232	< 5.	5.	ug/l
1622	PCB-1242	< 5.	5.	ug/l
1623	PCB-1248	< 5.	5.	ug/l
1624	PCB-1254	< 5.	5.	ug/l
1626	PCB-1260	< 5.	5.	ug/l

Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation limits obtainable.

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



Lancaster Laboratories  
2425 New Holland Pike  
PO. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

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Page: 4 of 6

LLI Sample No. TL 2393183  
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Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
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CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
------------	---------------	---------	--------------------------	-------

TCLP Herbicides

1979	2,4-D	< 0.1	0.1	mg/l
1980	2,4,5-TP	< 0.1	0.1	mg/l

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample extraction.

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Jenifer E. Hess, B.S.  
Group Leader Pesticides/PCBs



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## AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL SW846 Semivolatiles/Waters				
3884	1,4-dichlorobenzene	< 10.	10.	ug/l
4680	2-methylphenol	< 10.	10.	ug/l
3902	hexachloroethane	< 10.	10.	ug/l
3910	nitrobenzene	< 10.	10.	ug/l
3906	naphthalene	< 10.	10.	ug/l
3900	hexachlorobutadiene	< 10.	10.	ug/l
3872	4-chloro-3-methylphenol	< 10.	10.	ug/l
3905	2-methylnaphthalene	< 10.	10.	ug/l
3923	2,4,6-trichlorophenol	< 10.	10.	ug/l
3922	2,4,5-trichlorophenol	< 10.	10.	ug/l

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Jon S. Kauffman, Ph.D.  
Manager, Environmental Science



Lancaster Laboratories  
2425 New Holland Pike  
P.O. Box 12425  
Lancaster, PA 17605-2425  
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Stockpile DW Composite Soil Sample  
TCLP NON-VOLATILE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
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Shillington, PA 19607-2415

P.O. 951.034  
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL SW846 Semivolatiles/Waters				
3894	2,4-dinitrotoluene	< 10.	10.	ug/l
3899	hexachlorobenzene	< 10.	10.	ug/l
3916	pentachlorophenol	< 25.	25.	ug/l
3917	phenanthrene	< 10.	10.	ug/l
3859	anthracene	< 10.	10.	ug/l
3880	di-n-butyl phthalate	< 10.	10.	ug/l
3897	fluoranthene	< 10.	10.	ug/l
3919	pyrene	< 10.	10.	ug/l
3870	butyl benzyl phthalate	< 10.	10.	ug/l
3860	benzo (a) anthracene	< 10.	10.	ug/l
3868	bis (2-ethylhexyl) phthalate	< 10.	10.	ug/l
3876	chrysene	< 10.	10.	ug/l
3861	benzo (b) fluoranthene	< 10.	10.	ug/l
3862	benzo (k) fluoranthene	< 10.	10.	ug/l
3864	benzo (a) pyrene	< 10.	10.	ug/l
3903	indeno (1,2,3-cd) pyrene	< 10.	10.	ug/l

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Jon S. Kauffman, Ph.D.  
Manager, Environmental Science



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PO. Box 12425  
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717-656-2300 FAX 717-656-2681

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Page: 1 of 2

LLI Sample No. TL 2393184  
Collected: 10/ 3/95

Submitted: 10/ 4/95 Reported: 10/23/95  
Discard: 11/ 7/95

Stockpile DW Composite Soil Sample  
TCLP ZERO HEADSPACE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
4592	TCL Volatiles by 8240 - Water			See Page 2

1 COPY TO Apex Environmental, Inc.

ATTN: Mr. James Mattern

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300  
05:29:31 D 0001 3 122004 486432  
558 140.00 00040000 ASR000



Lancaster Laboratories  
2425 New Holland Pike  
P.O. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

Respectfully Submitted  
Ramona V. Layman, Group Leader  
ICP Metals/Leachates

See reverse side for explanation of symbols and abbreviations.



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9/13/90



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Page: 2 of 2

LLI Sample No. TL 2393184  
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Stockpile DW Composite Soil Sample  
TCLP ZERO HEADSPACE EXTRACTION  
Anchor Chemical Job #951.034

Account No: 07113  
Apex Environmental, Inc.  
301 W Lancaster Avenue  
Shillington, PA 19607-2415

P.O. 951.034  
Rel.

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	LIMIT OF QUANTITATION	UNITS
TCL Volatiles by 8240 - Water				
3492	Vinyl Chloride	< 5.	5.	ug/l
3500	1,1-Dichloroethene	< 5.	5.	ug/l
3501	1,1-Dichloroethane	5.	5.	ug/l
3503	Chloroform	< 5.	5.	ug/l
3504	1,2-Dichloroethane	< 5.	5.	ug/l
0316	2-Butanone	27.	10.	ug/l
3505	1,1,1-Trichloroethane	14.	5.	ug/l
3506	Carbon Tetrachloride	< 5.	5.	ug/l
3511	Trichloroethene	< 5.	5.	ug/l
3515	Benzene	< 5.	5.	ug/l
3522	Tetrachloroethene	< 5.	5.	ug/l
3524	Toluene	14.	5.	ug/l
3525	Chlorobenzene	< 5.	5.	ug/l
3526	Ethylbenzene	5.	5.	ug/l
3529	Xylene (total)	91.	5.	ug/l

Questions? Contact your Client Services Representative  
Wendy K. Park at (717) 656-2300

Respectfully Submitted  
Michele McClarin, B.A.  
Group Leader, GC/MS Volatiles



Lancaster Laboratories  
2425 New Holland Pike  
PO. Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 FAX 717-656-2681

See reverse side for explanation of symbols and abbreviations.



#2216  
9/13/90

## CHAIN OF CUSTODY RECORD

Acid # 7113  
LC # 353182-4

[illegible]