

INTRODUCTION:

At the request of Mr. Robert Schuler, of CompuEngineering of Exton, PA a contract engineer for Sun Company, Inc., on 1 December 1993, Vincent Mulry of Mulry and Cresswell Environmental, Inc. (MCE) witnessed, documented conditions and retrieved samples at the excavation and removal of one 1000 gallon steel used oil underground storage tank (UST) at the Sunoco Service Station, located at the intersection of Route 73 and Route 202, 889 DeKalb Pike, Blue Bell, Whitpain Township, Montgomery County, PA.

The excavation, removal and tank disposal was performed by the Miniscalco Corporation, of 10 Commerce Drive in Warminster, PA (Pennsylvania Certified Tank Installers Number 570). The responsible individual on site for Miniscalco Corporation was Mr. Ronald Miniscalco (Pennsylvania Certified Tank Installers Number 138).

This report describes and contains:

- Permits Acquired
- Site Background Information
- Observations made by MCE
- Monitoring and Sampling Methodologies
- Sample Laboratory Analytical Results
- Disposal of Tank Bottoms and Tanks
- Safety Precautions/Housekeeping Practices

PERMITTING:

The Miniscalco Corporation secured a permit (permit no. 126/93) from the Whitpain Township office of the fire marshal on 18 November 1993, to remove the subject tank. A copy of this permit is contained in Appendix A.

BACKGROUND:

The Sunoco Service Station is a retail gasoline fueling and three bay motor vehicle servicing facility. The facility is operated under the ownership of Sun Company, Inc..

The site is located at the intersection of Routes 73 and 202, at 889 DeKalb Pike in Center Square, approximately one and a half miles northwest of Blue Bell (see Figure I). The surrounding area is composed of retail and residential structures and undeveloped vegetated area.

The Geologic Map of Pennsylvania (1980; scale: 1: 250,000) shows the site to be underlain by Triassic sandstone, mudstone and shale of the Stockton Formation.

Samples to be analyzed for the volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX) were placed in 125 ml jars, samples to be analyzed for total petroleum hydrocarbons (TPH) were placed in 500 ml jars. Sample jars were labeled with date, time, sample ID, etc. prior to sample collection.

Subsequent to sample collection, all jars were immediately placed in a cooler with ice packs and promptly delivered to Lancaster Laboratories of Lancaster, Pennsylvania with an accompanying chain of custody analysis request form.

MONITORING AND SAMPLING RESULTS:

As previously described, field head space analysis of excavated material was periodically conducted as the excavation commenced. The OVM responses for these analyses are presented below in Table I.

TABLE I

ORGANIC VAPOR MONITOR SAMPLE ANALYSIS RESULTS

Sample Location	OVM Maximum Reading (ppm)
8' below grade @ tank north wall	9.5
10' below grade @ tank south wall	1.4
2' below tank @ north end	5.0
below tank @ west wall	2.0
2' below tank @ south end	23.6

Subsequent to the removal of the tank, four laboratory samples were collected directly below the sides and approximately two feet below each end of the tank's former location. The results of the laboratory analyses of these samples are presented in Table II and the laboratory analysis reports are contained in Appendix B.

The field head space analysis results and laboratory sample locations and results are depicted on Figure III.

SOIL LABORATORY ANALYTICAL RESULTS:

Samples were collected below each side of the tank and two feet below each end of the tank. These samples were analyzed for the volatile organics benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA method 8020 and for total petroleum hydrocarbons (TPH) by EPA method 418.1. A summary of the laboratory analysis reports are presented in Table II. The laboratory analysis results are attached as Appendix B.

SAFETY PRECAUTIONS/HOUSEKEEPING PRACTICES:

All site activities were undertaken in a manner consistent with the United States Environmental Protection Agency's Standard Operating Safety Guidelines and the United States Department of Labor's Occupational Safety and Health Administration's Health and Safety Standards. Tank closure was performed in accordance with American Petroleum Institute Recommended Practice 1604.

The excavation was opened and closed in the course of the same work day. While open, the excavation was surrounded by a wooden stockade fence.

In addition to employing the OVM for soil analysis, volatile organic concentrations in the ambient air were also monitored with this instrument. Volatile concentrations never approached hazardous ranges during the excavation and removal of the tank. As further precautionary measures, no smoking, flames or other ignition sources were permitted near the excavation area. Fire extinguishers were available in the onsite service vehicles. The tank was filled with dry ice before any cutting and disassembling took place.

No surface runoff or migration occurred as no precipitation fell during excavation activities. The soil was dug out using a backhoe and the excavated material was stockpiled on and wrapped in plastic sheeting, before it was disposed. The soil (15.88 tons) was removed on 10 January 1994, by Monarch Transport of Aston, PA and transported to Clean Earth in Delaware for disposal. Documentation for the transportation and receipt of these materials were not available at the time of report submission.

Used oil was the regulated substance encountered during the tank closure procedure.

The tank closure was completed by backfilling the excavated area with clean 1 B stone (pea-gravel).



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ENVIRONMENTAL, INC.

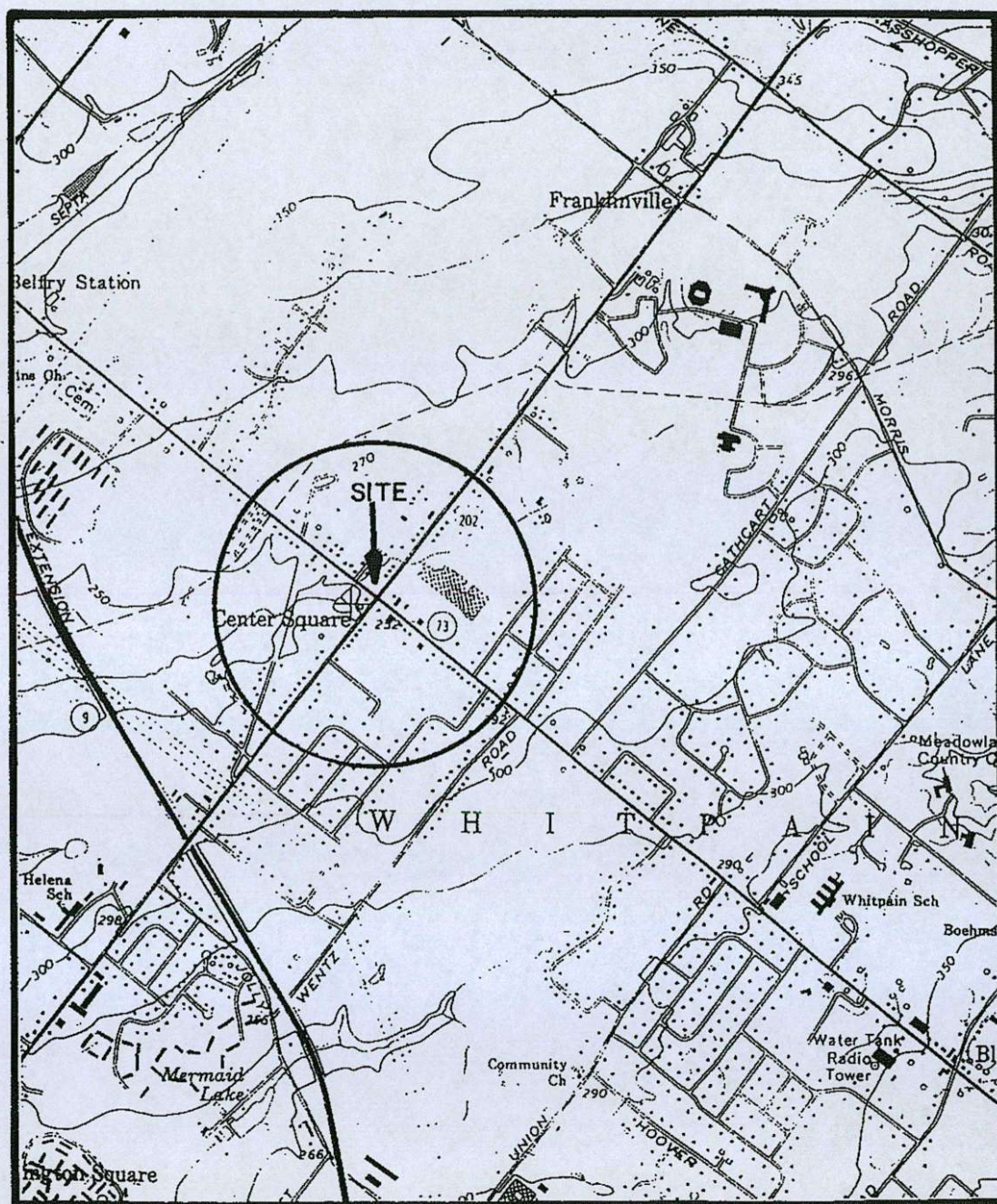
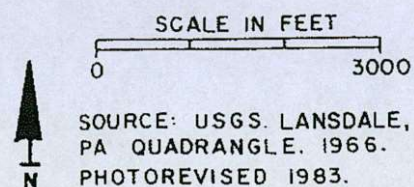


FIGURE I
SITE LOCATION
SUNOCO SERVICE STATION
889 DEKALB PIKE
ROUTES 73 AND 202
BLUE BELL, PENNSYLVANIA



SOURCE: USGS, LANSDALE,
PA QUADRANGLE, 1966.
PHOTOREVISED 1983.



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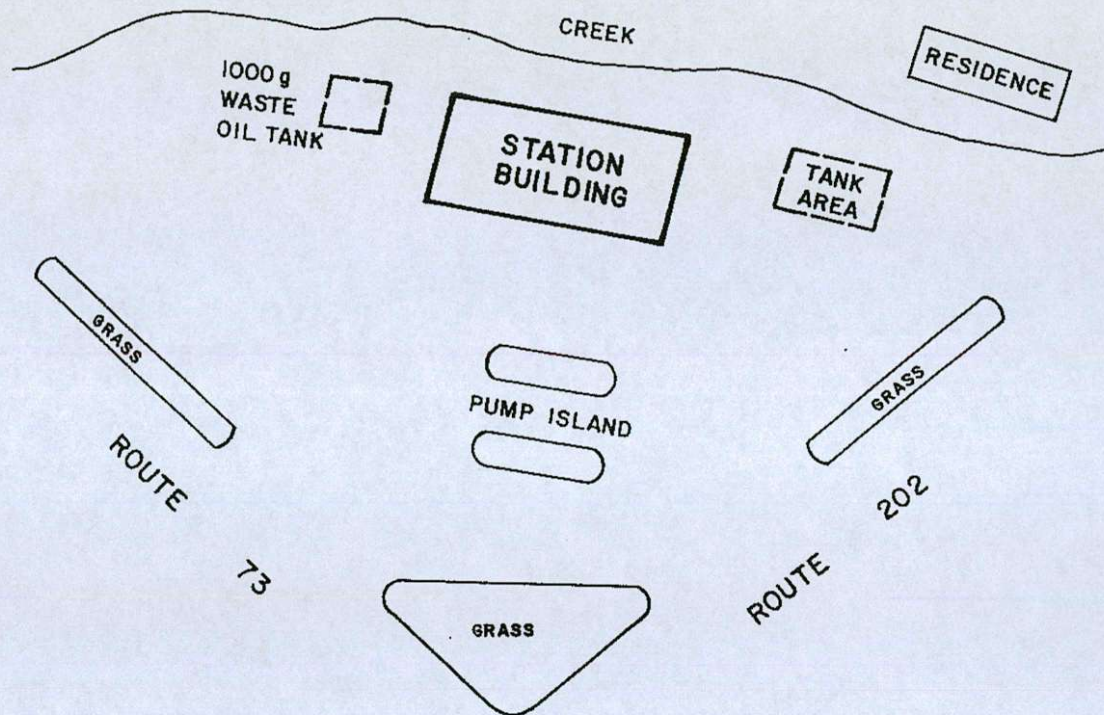


FIGURE II
SUNOCO SERVICE STATION
889 DEKALB PIKE
ROUTES 73 AND 202
BLUE BELL, PENNSYLVANIA



NOT TO SCALE



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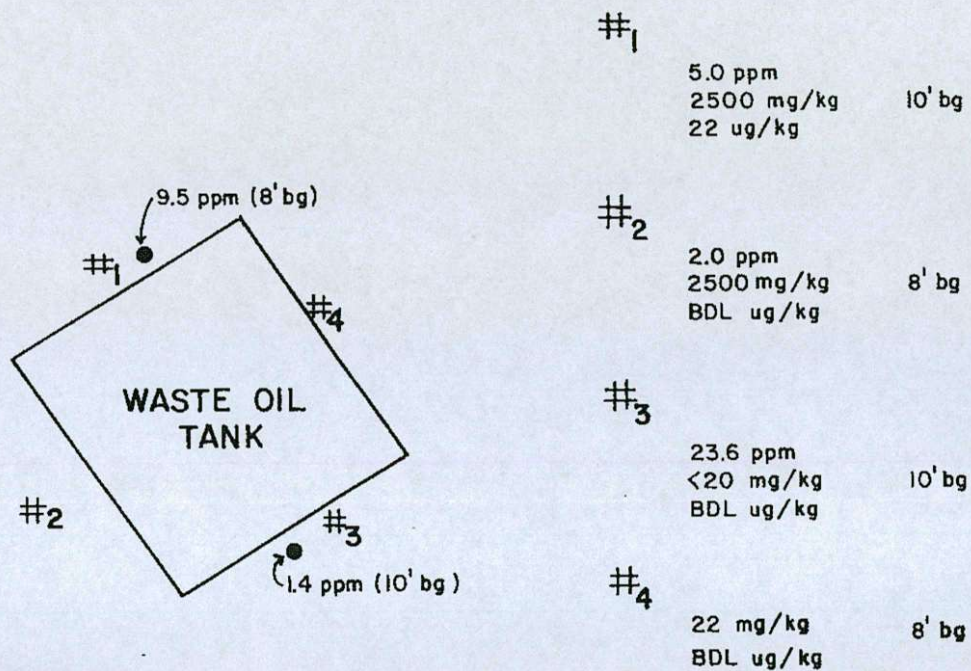


FIGURE III
WASTE OIL TANK SAMPLING LOCATIONS/RESULTS
SUNOCO SERVICE STATION
889 DEKALB PIKE
ROUTES 73 AND 202
BLUE BELL, PENNSYLVANIA

ug/kg = TOTAL BTEX
mg/kg = TPH
bg = BELOW GRADE
= SAMPLE ID
ppm = OVM

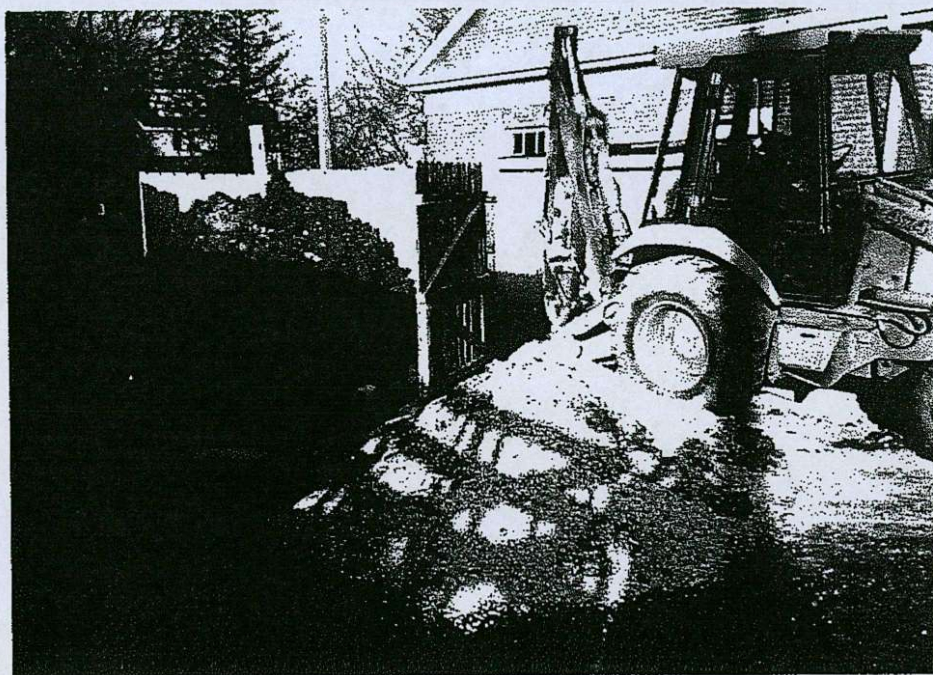


SCALE IN FEET
0 4



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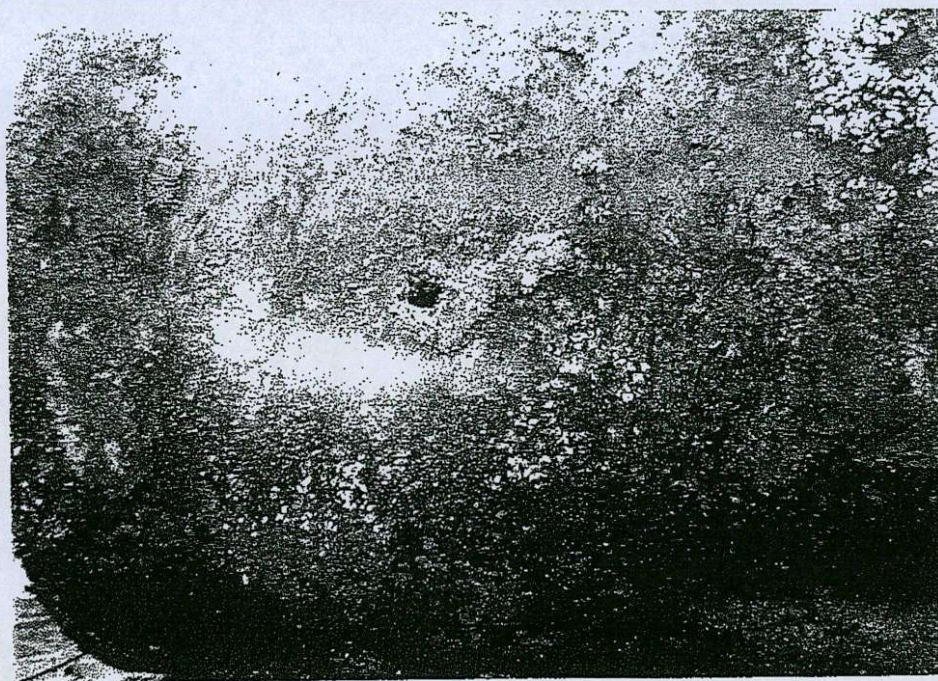
Photo #1 (top): Area of waste oil tank excavation.
Photo #2: Waste oil tank excavation.





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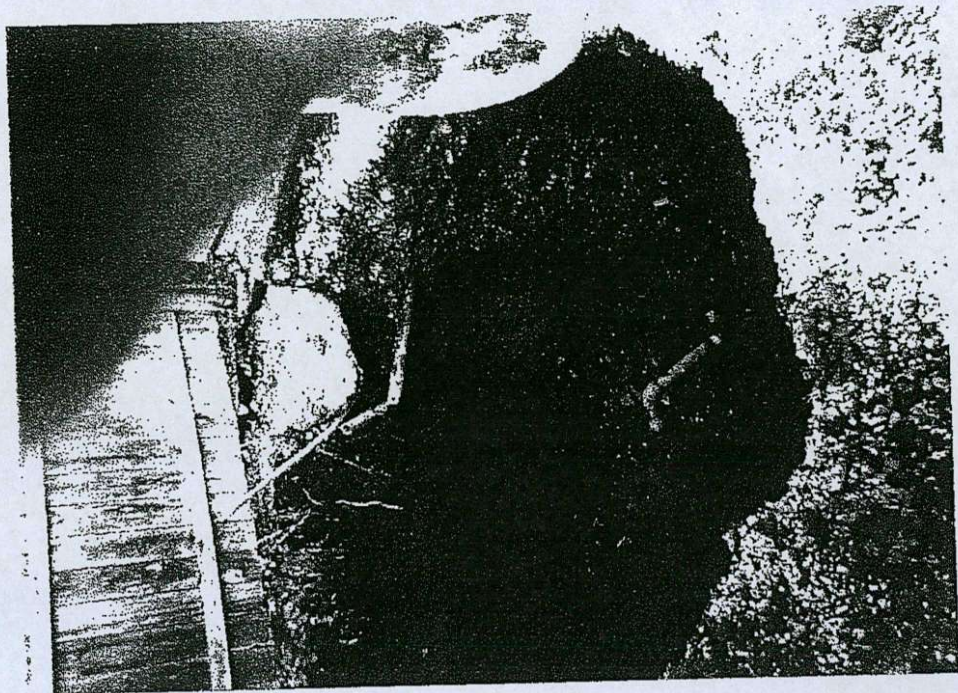
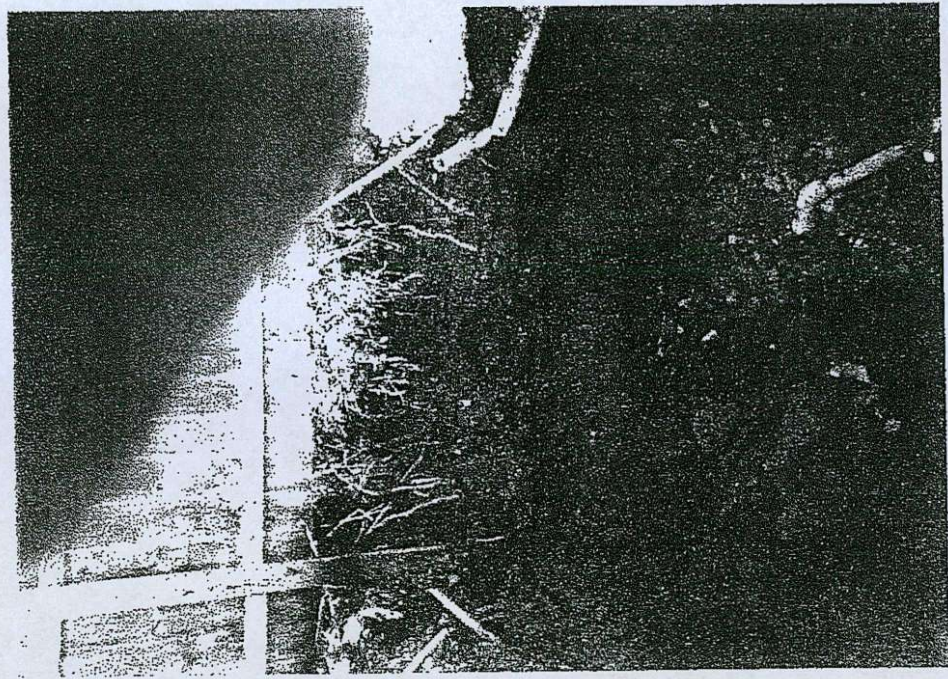
Photo #1 (top): Tank - bottom view.
Photo #2: Tank bottom close up.





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ENVIRONMENTAL, INC.

Photo #1 (left): North wall of excavation.
Photo #2: North and east wall of excavation.





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APPENDIX A

PERMITTING

PERMIT NO. 126/93

Whitpain Township
960 WENTZ ROAD
BLUE BELT, PA 19422
277-2400

OFFICE OF THE FIRE MARSHAL
FIRE PREVENTION CODE

PERMIT

Subject to the provisions of the "FIRE PREVENTION CODE OF THE TOWNSHIP OF
WHITPAIN, PENNSYLVANIA," permission is hereby granted to . . .

Name Miniscalco Corporation Phone No. 672-9824
Address 10 Commerce Drive, Warminster, PA. 18974
For the purpose of: Removal of underground storage tank
Location: Sunoco Station - Route 72 and Route 202
Date issued: 11/18/93 Date Expires: 12/18/93
Permit Fee: \$ 25.00 Vanessa /
1.00 Notary Fire Marshal

... This permit must be displayed on the premises at all times. ...



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ENVIRONMENTAL, INC.

APPENDIX B

LABORATORY ANALYSIS REPORTS

Analysis Report



14:08:42 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060725
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1330
P.O.
Rel.

#1 North End Bottom (10' BG) Grab Soil Sample
Sun 73 + 202

ANALYSIS	RESULT AS RECEIVED		LIMIT OF QUANTITATION	LAB CODE
Moisture	21.6	% by wt.	0.5	011101200
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.				
Petroleum Hydrocarbons	1,900.	mg/kg	20.	156208500
BTEX Scan (8020)		attached		221308500

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

Questions? Contact Environmental
Client Services at (717) 656-2301
286 06702 15.00 019700

Respectfully Submitted
Lancaster Laboratories, Inc.



Lancaster Laboratories, Inc.
2425 New Holland Pike
Lancaster, PA 17601-5991

Bethany A. Ebling, B.S.
Group Leader, Water Quality

1/9/2017 4:24:45 PM

Analysis Report



Lancaster Laboratories

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14:08:42 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060725
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1330
P.O.
Rel.

#1 North End Bottom (10' BG) Grab Soil Sample
Sun 73 + 202

ANALYSIS	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	QUANTITATION	
Moisture *AS RECEIVED*	21.6 % by wt.	0.5	011101500
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Petroleum Hydrocarbons	2,500. mg/kg	30.	156201500
BTEX Scan (8020)	attached		221301500

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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

Respectfully Submitted
Lancaster Laboratories, Inc.



Lancaster Laboratories Inc.
2425 New Holland Pike
Lancaster, PA 17601-5993

Bethany A. Ebling, B.S.
Group Leader, Water Quality

1/9/2017 4:24:48 PM

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14:08:55 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060725
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1330
P.O..
Rel.

#1 North End Bottom (10' BG) Grab Soil Sample
Sun 73 + 202

	RESULT	LIMIT OF	LAB CODE
	AS RECEIVED	QUANTITATION	
BTEX Scan (8020)			
Benzene	< 5. ug/kg	5.	260300000N
Toluene	< 5. ug/kg	5.	260400000N
Ethylbenzene	< 5. ug/kg	5.	260600000N
o-Xylene	< 20. ug/kg	20.	260800000N
m-Xylene	17. ug/kg	5.	260900000N
p-Xylene	< 9. ug/kg	9.	261000000N

Due to interferences from the sample matrix, the limits of quantitation for the p- and o-Xylene determinations were increased.

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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

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

1/9/2017 4:24:50 PM



14:08:55 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060725
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1330
P.O.
Rel.

#1 North End Bottom (10' BG) Grab Soil Sample
Sun 73 + 202

	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	QUANTITATION	
BTEX Scan (8020)			
Benzene	< 6. ug/kg	6.	260300000N
Toluene	< 6. ug/kg	6.	260400000N
Ethylbenzene	< 6. ug/kg	6.	260600000N
o-Xylene	< 30. ug/kg	30.	260800000N
m-Xylene	22. ug/kg	6.	260900000N
p-Xylene	< 10. ug/kg	10.	261000000N

Due to interferences from the sample matrix, the limits of quantitation for the p- and o-Xylene determinations were increased.

1 COPY TO Mulry & Cresswell

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Lancaster, PA 17601-5994

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14:09:01 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

#2 West Wall (8' BG) Grab Soil Sample
Sun 73 + 202

LLI Sample No. SW 2060726
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1345
P.O.
Rel.

ANALYSIS

Moisture

RESULT
AS RECEIVED

22.3 % by wt.

LIMIT OF
QUANTITATION

0.5

LAB CODE

011101200

"Moisture" represents the loss in weight of the sample after oven drying at

103 - 105 degrees Celsius.

Petroleum Hydrocarbons

1,900.

mg/kg

20.

156208500

BTEX Scan (8020)

attached

221308500

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

Questions? Contact Environmental
Client Services at (717) 656-2301
286 06702 15.00 019700

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2425 New Holland Pike
Lancaster, PA 17601-5994

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Analysis Report



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14:09:01 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060726
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1345
P.O.
Rel.

#2 West Wall (8' BG) Grab Soil Sample
Sun 73 + 202

ANALYSIS	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	QUANTITATION	
Moisture *AS RECEIVED*	22.3 % by wt.	0.5	011101500
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Petroleum Hydrocarbons	2,500. mg/kg	30.	156201500
BTEX Scan (8020)	attached		221301500

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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

Respectfully Submitted
Lancaster Laboratories, Inc.



Lancaster Laboratories, Inc.
2425 New Holland Pike
Lancaster, PA 17601-5000

Bethany A. Ebling, B.S.
Group Leader, Water Quality

1/9/2017 4:24:55 PM



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14:09:08 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

#2 West Wall (8' BG) Grab Soil Sample
Sun 73 + 202

LLI Sample No. SW 2060726
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1345
P.O.
Rel.

BTEX Scan (8020)

Benzene

Toluene

Ethylbenzene

o-Xylene

m-Xylene

p-Xylene

RESULT
AS RECEIVED

< 5. ug/kg

< 5. ug/kg

< 5. ug/kg

< 5. ug/kg

< 5. ug/kg

< 5. ug/kg

LIMIT OF
QUANTITATION

5.

5.

5.

5.

5.

5.

LAB CODE

260300000N

260400000N

260600000N

260800000N

260900000N

261000000N

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ATTN: Mr. James Mulry

Questions? Contact Environmental
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Lancaster, PA 17601-5994

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14:09:08 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060726
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1345
P.O.
Rel.

#2 West Wall (8' BG) Grab Soil Sample
Sun 73 + 202

BTEX Scan (8020)

	RESULT DRY WT. BASIS	LIMIT OF QUANTITATION	LAB CODE
Benzene	< 6. ug/kg	6.	260300000N
Toluene	< 6. ug/kg	6.	260400000N
Ethylbenzene	< 6. ug/kg	6.	260600000N
o-Xylene	< 6. ug/kg	6.	260800000N
m-Xylene	< 6. ug/kg	6.	260900000N
p-Xylene	< 6. ug/kg	6.	261000000N

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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

Respectfully Submitted
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2425 New Holland Pike
Lancaster, PA 17601-5994

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

1/9/2017 4:24:58 PM

Analysis Report



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14:09:16 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

#3 South End Bottom (10' BG) Grab Soil Sample
Sun 73 + 202

LLI Sample No. SW 2060727
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1350
P.O.
Rel.

ANALYSIS	RESULT AS RECEIVED	LIMIT OF QUANTITATION	LAB CODE
Moisture	13.6 % by wt.	0.5	011101200
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Petroleum Hydrocarbons	< 20. mg/kg	20.	156208500
BTEX Scan (8020)	attached		221308500

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

Questions? Contact Environmental
Client Services at (717) 656-2301
286 06702 15.00 019700

Respectfully Submitted
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Bethany A. Ebling, B.S.
Group Leader, Water Quality

1/9/2017 4:25:00 PM



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2425 New Holland Pike
Lancaster, PA 17601-5994



14:09:16 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060727
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1350
P.O.
Rel.

#3 South End Bottom (10' BG) Grab Soil Sample
Sun 73 + 202

ANALYSIS	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	QUANTITATION	
Moisture *AS RECEIVED*	13.6 % by wt.	0.5	011101500
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Petroleum Hydrocarbons	< 20. mg/kg	20.	156201500
BTEX Scan (8020)	attached		221301500

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ATTN: Mr. James Mulry

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

Respectfully Submitted
Lancaster Laboratories, Inc.

Bethany A. Ebling, B.S.
Group Leader, Water Quality

1/9/2017 4:25:02 PM



14:09:19 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060727
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1350
P.O.
Rel.

#3 South End Bottom (10' BG) Grab Soil Sample
Sun 73 + 202

	RESULT	LIMIT OF	LAB CODE
	AS RECEIVED	QUANTITATION	
BTEX Scan (8020)			
Benzene	< 5. ug/kg	5.	260300000N
Toluene	< 5. ug/kg	5.	260400000N
Ethylbenzene	< 5. ug/kg	5.	260600000N
o-Xylene	< 5. ug/kg	5.	260800000N
m-Xylene	< 5. ug/kg	5.	260900000N
p-Xylene	< 5. ug/kg	5.	261000000N

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

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Group Leader, ExpressLAB

1/9/2017 4:25:04 PM



14:09:19 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060727
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1350
P.O.
Rel.

#3 South End Bottom (10' BG) Grab Soil Sample
Sun 73 + 202

BTEX Scan (8020)

	RESULT
	DRY WT. BASIS
Benzene	< 6. ug/kg
Toluene	< 6. ug/kg
Ethylbenzene	< 6. ug/kg
o-Xylene	< 6. ug/kg
m-Xylene	< 6. ug/kg
p-Xylene	< 6. ug/kg

LIMIT OF	LAB CODE
QUANTITATION	
6.	260300000N
6.	260400000N
6.	260600000N
6.	260800000N
6.	260900000N
6.	261000000N

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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

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

1/9/2017 4:25:06 PM



14:09:23 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060728
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1400
P.O.
Rel.

#4 East Wall (8' BG) Grab Soil Sample
Sun 73 + 202

ANALYSIS	RESULT AS RECEIVED	LIMIT OF QUANTITATION	LAB CODE
Moisture	23.1 % by wt.	0.5	011101200
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Petroleum Hydrocarbons	30. mg/kg	20.	156208500
Petroleum hydrocarbons were detected in the method blank at a concentration of 18 mg/kg on an as received basis. This blank value was not subtracted from the analytical result. Due to the nature of this analysis, it is typical to have a result for the blank.			
BTEX Scan (8020)	attached		221308500

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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Client Services at (717) 656-2301
286 06702 15.00 019700

Respectfully Submitted
Lancaster Laboratories, Inc.



Lancaster Laboratories, Inc.
2425 New Holland Pike
Lancaster, PA 17601-5594

Bethany A. Ebling, B.S.
Group Leader, Water Quality

1/9/2017 4:25:07 PM

Analysis Report



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14:09:23 402212
ASR000 D 1 4
06702 0.

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060728
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1400
P.O.
Rel.

#4 East Wall (8' BG) Grab Soil Sample
Sun 73 + 202

ANALYSIS	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	QUANTITATION	
Moisture *AS RECEIVED*	23.1 % by wt.	0.5	011101500
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius.			
Petroleum Hydrocarbons	40. mg/kg	30.	156201500
Petroleum hydrocarbons were detected in the method blank at a concentration of 18 mg/kg on an as received basis. This blank value was not subtracted from the analytical result. Due to the nature of this analysis, it is typical to have a result for the blank.			
BTEX Scan (8020)	attached		221301500

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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

Bethany A. Ebling, B.S.
Group Leader, Water Quality

1/9/2017 4:25:09 PM

Analysis Report



Lancaster Laboratories

Where quality is a science.

14:09:26 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

#4 East Wall (8' BG) Grab Soil Sample
Sun 73 + 202

LLI Sample No. SW 2060728
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1400
P.O.
Rel.

BTEX Scan (8020)

Benzene

Toluene

Ethylbenzene

o-Xylene

m-Xylene

p-Xylene

RESULT
AS RECEIVED

< 5. ug/kg

< 5. ug/kg

< 5. ug/kg

< 5. ug/kg

< 5. ug/kg

< 5. ug/kg

LIMIT OF
QUANTITATION

5.

5.

5.

5.

5.

5.

LAB CODE

260300000N

260400000N

260600000N

260800000N

260900000N

261000000N

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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

Respectfully Submitted
Lancaster Laboratories, Inc.

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

1/9/2017 4:25:11 PM



14:09:26 402212
ASR000 D 1 4
06702 0

Mulry & Cresswell
2 Kenley Court
Bear, DE 19701

LLI Sample No. SW 2060728
Date Reported 12/20/93
Date Submitted 12/ 4/93
Discard Date 1/ 4/94
Collected 12/ 1/93 by VM
Time Collected 1400
P.O.
Rel.

#4 East Wall (8' BG) Grab Soil Sample
Sun 73 + 202

BTEX Scan (8020)

	RESULT DRY WT. BASIS	LIMIT OF QUANTITATION	LAB CODE
Benzene	< 7. ug/kg	7.	260300000N
Toluene	< 7. ug/kg	7.	260400000N
Ethylbenzene	< 7. ug/kg	7.	260600000N
o-Xylene	< 7. ug/kg	7.	260800000N
m-Xylene	< 7. ug/kg	7.	260900000N
p-Xylene	< 7. ug/kg	7.	261000000N

1 COPY TO Mulry & Cresswell

ATTN: Mr. James Mulry

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

Respectfully Submitted
Lancaster Laboratories, Inc.



Lancaster Laboratories, Inc.
2425 New Holland Pike
Lancaster, PA 17601-5000

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

1/9/2017 4:25:13 PM



MULRY AND CRESSWELL
ENVIRONMENTAL, INC.

APPENDIX C

TANK DISPOSAL DOCUMENTATION

12/03/1993 11:58

FROM S.D. Richman Sons CO

TO 6745859

P.01

S.D. RICHMAN SONS INC.
SCRAP IRON AND METALS

2435 Wheatsheaf Lane
Philadelphia, PA 19137
215-535-5100
215-288-1043 (FAX)

CERTIFICATE OF DESTRUCTION

DATE RECEIVED -- December 01, 1993

RECEIVED FROM -- Miniscalco Corp. ---Removed from
Sunaco Station Rts 73 & 202
Center Square PA

MATERIAL RECEIVED --1 1000 gallon steel tank

DISPOSITION OF MATERIAL -- MATERIAL WAS PROCESSED AS SCRAP
STEEL FOR REMELTING PURPOSES ONLY.

S.D. RICHMAN SONS, INC.

DAVID RICHMAN
PRESIDENT

1/9/2017 4:25:18 PM

Sinding
DER - RECEIVED
SOUTHEAST REGION

SEP 04 1993



Sun Company, Inc.
Ten Penn Center
1801 Market Street
Philadelphia PA 19103-1699

October 1, 1993

PA DER - Storage Tank Division
Lee Park Suite 6010
555 N. Lane
Conshohocken, PA 19428

RE: Sunoco #0012-1491
Facility #46-20382
889 DeKalb Pike
Blue Bell, PA 19422
County: Montgomery

*Whitpain not
Montg*

Dear Registrar:

This letter serves as 30-day notice that construction will begin on or about November 1, 1993 to remove the following underground storage tank from the above referenced facility. This facility has a current Certificate of Registration with an expiration date of February 4, 1994. The contractor for this project is not known at this time as the job is out for bids.

Tanks to be Removed
#004 1,000gl Stl-W.O.

Tanks to be Installed
(1) 240 DWFG AGT

If you have any questions please call our UST department at 215-977-6337 or Brian Sheridan, maintenance coordinator in charge of this project at 215-442-5285. Please forward any correspondence or certificates to my attention at the above Philadelphia address. Thank you.

Sincerely,

Kathy Unruh

Kathy Unruh
Compliance Coordinator

cc: Fire Marshal
B. Sheridan
file

1/9/2017 4:25:20 PM

DER-RECEIVED
SOUTHEAST REGION
NOV 02 1993



Sun Company, Inc.
Ten Penn Center
1801 Market Street
Philadelphia PA 19103-1699

November 1, 1993

PA DER - Storage Tank Division
Lee Park Suite 6010
555 N. Lane
Conshohocken, PA 19428

RE: Sunoco #0012-1491
Facility #46-20382
889 DeKalb Pike
Blue Bell, PA 19422
County: Montgomery

Dear Registrar:

This letter serves as an amendment to the 30-day notice that was previously mailed October 1, 1993 concerning construction at the above referenced facility. The construction begin date has changed from November 1, 1993 to November 29, 1993. This facility has a current Certificate of Registration with an expiration date of February 4, 1994. The contractor for this project is still out for bids.

Tanks to be Removed
#004 1,000gl Stl-W.O.

Tanks to be Installed
(1) 240 DWFG AGT

If you have any questions please call our UST department at 215-977-6337 or Bob Shuler, maintenance contractor in charge of this project at 215-942-2441. Please forward any correspondence or certificates to my attention at the above Philadelphia address. Thank you.

Sincerely,

Kathy Unruh

Kathy Unruh
Compliance Coordinator

cc: Fire Marshal
B. Shuler
file

1/9/2017 4:25:21 PM

**Pennsylvania Department of Environmental Resources
Notification for Closure/Change-in-Service**

TO: PA DER - Lee Park - Suite 6010
555 N. LANE, Conshohocken, PA

DATE: 11-1-93

FROM: Sun Company Inc
1801 Market ST - 10/11 PC
Phila, PA 19103

CONTRACTOR: Not Known Yet

PHONE: _____

CONTACT: _____

PHONE: _____

CERTIFIED INSTALLER NUMBER: _____

TANK OWNER: Sun Company Inc

ADDRESS 1801 Market ST - 10/11 PC

CITY Phila STATE PA ZIP 19103

PHONE 215-977-6337

CONTACT Kathy Unruh - Compliance Coordinator

FACILITY ID NUMBER 46-20382

FACILITY NAME Sunoco # 0012-1491

FACILITY LOCATION 889 DeKalb Pike, Blue Bell PA 19422

COUNTY Montgomery MUNICIPALITY Whitpain

Tank Registration Number	Tank Size (Gallons)	Product	Construction Material	Type of Closure: In Place/Removal
004	1,000	Waste Oil	Fiberglass	Removal

NORMISLOW
NOV 20 1989

Pennsylvania Department of Environmental Resources
Bureau of Water Quality Management
PO Box 2063
Harrisburg, PA 17120

October 11, 1989

SUN REFINING & MARKETING CO
1801 MARKET ST
PHILADELPHIA, PA 19103

Dear Storage Tank Facility Owner:

You have previously submitted an EPA Notification of Underground Storage Tank form(s), required by Section 9002 of the Resource Conservation and Recovery Act of 1976 (RCRA). Your facility (indicated below) has been assigned the following Facility Identification Number, which must be included on all future correspondence regarding this facility.

Identification Number: 4-630222

Duplicate

Facility: SUNOCO 0012-1491
ROUTES 202 & 73
CENTRE SQUARE, PA 19422

Enclosed is a Storage Tank Registration Application. Storage tank owners are required to submit this form and pay registration fees for all aboveground and underground storage tanks regulated by Pennsylvania's Storage Tank and Spill Prevention Act. Please complete the enclosed application for all storage tanks at your facility and forward to the DER Regional Office serving the county where your facility is located. Enclose a check or money order, made payable to the Dept. of Environmental Resources, for the proper registration fee. Please remember to include the Facility Identification Number on your application.

Thank you for your cooperation.

Enclosure

NOTE: Multiple Identification Numbers were issued for this location. This facility was registered under ID # 4-620382.