MONTGOMERY COUNTY, NEW YORK

ENVIRONMENTAL SITE ASSESSMENT
FOR
THE RICHARD L. HANSEN
FIRE TRAINING CENTER
YOSTS, NEW YORK

ENGINEER'S REPORT OCTOBER 1996



Prepared by:

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A. EXECUTIVE SUMMARY

Montgomery County, the owner of the property, has been redeveloping the Richard L. Hansen Fire Training Center this summer to improve the facilities for continued use as a training facility for various fire-fighting activities. During excavation operations for the new fire training tower, the contractor encountered oil contaminated soil. This discovery was promptly reported to New York State Department of Environmental Conservation, Region 4, Division of Spills, and initiated the Stipulation Agreement (STIP #R4-097) process. Correspondence regarding this agreement is enclosed in Appendix H. This report is intended to provide a historical and current assessment of the property with respect to environmental issues. Although the immediate concern was for one area of oil contaminated soil, further investigation has revealed additional areas of pollution. Remediation of these other areas are either completed, initiated or will be begun soon. following lists all areas of known site pollution and the status of the remediation procedures:

<u>STATUS</u>

- 1. Fuel oil/heating oil soil contamination near proposed fire tower.
- Completed
- 2. Heating oil soil contamination near former maintenance garage.
- Completed
- 3. Fuel oil/heating oil soil contamination near the driveway entrance.
- Has Not Begun
- 4. Underground storage tank containing a presumed mixture of solvents and other hazardous materials.

Initiated

The map in Appendix B shows the approximate location of the contamination areas listed above. The first three items should not come as a surprise given that this site has been an oil distribution/fueling facility and a truck stop for much of its

J. NENNETH PHASER AND ASSOCIATES, PE, LS, LA, P.C.

Consulting Engineers, Surveyors
Landscape Architects & Planners

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developed history. The fourth item was located remotely from the developed part of the site and was a surprise to all parties. The contents of the tank has been tested and contains various hazardous compounds. The test results are enclosed in Appendix G.

This report is based on several site visits, a review of site history and land usage, discussions with NYSDEC and County Public Works' personnel and a focused environmental testing program to address the concerns above.

B. SITE INFORMATION

1. Site Location

The property known as The Richard L. Hansen, Jr. Fire Training Center, is located in the Town of Mohawk, Montgomery County, New York, in the Hamlet of Yosts. A vicinity map is located in Appendix A. The property is accessible via New York State Route approximately 6 miles southwest of the Village of Fonda. The frontage of the property is bounded by Route 5 (south side), and privately owned residential/rural properties east, west, and north of the site. The lands to the north are comprised of a wooded hillside that is vacant in the immediate vicinity (see maps in Appendices D and J).

2. Site Tax Map

The parcel comprising the lands of Montgomery County (Fire Training Center) is delineated on the Town of Montgomery Tax Map No. 65. A copy of this map is included in Appendix J. The subject property is Tax Map No. 65-2-19.

3. Site Topography/Drainage/Soils

The topography of the site slopes gently from Route 5 towards the pond in a south to north direction. The northwest section of the property slopes at much steeper gradients to the pond from north to south.

Drainage of runoff on the site is good. No ponding was observed after rainfall events. The predominant soil group is the Alton gravelly loam series, according to the SCS County Soil Survey. These soils are generally medium textured gravelly loam soils that are underlain by silt and clay soils at approximately 5-6 feet in depth. These layers were observed in the site excavations at similar depths.

4. Present Site Use

The site is currently used as a training facility for firemen. The existing building on the west side of the site is used for meetings and storing miscellaneous training gear/apparatus. The pond does not appear to be used for fishing or boating.

5. Utilities

The facility is served with an on-site water well and conventional subsurface sewage disposal system. Electrical power is provided via overhead and presumably underground distribution facilities from the main overhead lines along Route 5. No natural gas service exists nearby.

Since the well was within the proximity of the initial oil contaminated soil discovery, it was decided to also

run tests on it. These results are located in Appendix G. The samples indicated no contaminants were present. Reputedly, this well is at least 120 feet deep.

An existing series of pipes allow the firemen to draw water from the pond for fire-fighting activities. This system is shown on the Existing Conditions Map in Appendix B.

6. Adjacent Land Use

The surrounding land uses are predominantly residential and vacant land. The partial USGS map in Appendix D shows the location of homes in reference to the site. Generally, residents live southwest and northeast of the property. The house across Route 5 has reputedly been taken over by Montgomery County.

C. <u>SITE HISTORY</u>

1. Past Ownership and Usage

A tabulation of previous landowners and their corresponding period of ownership can be found in Appendix C. Several survey maps are also enclosed for reference purposes.

We suspect the original use of the land was farming, when it was owned by the Schuyler family. In 1891, the New York Central and Hudson River Railroad purchased the property. They reputedly mined sand and gravel fill for constructing their railroad nearby. Reputedly, the railroad had a siding that came onto the property for fueling purposes. It is likely that the railroad had a fueling station on this site.

The partial transfer of property on July 17, 1933 from the railroad to the county was apparently for widening of highway right-of-way for Route 5 and Prame Road. The railroad sold the property to Arthur and Agnes Peters in 1940. The Peters' oil company owned the property when 1970 until it was sold to Montgomery County. Prior to this sale, Peters' leased the property to Gulf Oil Corporation from 1948 to 1958. The county has maintained ownership for the last 26 years, originally utilizing it for county highway trucks storage and maintenance.

Until the county took ownership, the site was predominantly a fueling station, truck stop and a diner. The block buildings identified as Building "A" on the Appendix B map was formerly a bunkhouse for the truck The building labeled as Building "B" was an addition the county had built after 1970. Building "C" was the maintenance building for a multitude of vehicles. Fuel pump islands once occupied an area approximately 50' east of this structure. An approximate location of the diner has been shown on the existing conditions map. was demolished shortly after the County purchased the property. The maintenance building has been razed such that only its floor slab and foundation remain. former masonry fire tower was also removed this year.

D. SITE WALK-THROUGH

1. Description

The site was examined in its entirety on September 27, 1996 for evidence of hazardous substances, toxic wastes, petroleum products or other conditions of environmental concern. The walk-through generally consisted of looking for above ground tanks, drums, chemical containers, old

electrical transformers, distressed vegetation, stained soil and water. Sewage effluent, chemical odors and evidence of improper waste disposal.

Previous site visits by Fraser personnel on August 30, September 3, September 12 and subsequent visits on October 7 and October 10 were for observation/investigation of specific areas of contamination.

Photographs of the site are included in Appendix M.

2. Findings

A careful examination of the property, research and conversations with DPW and fire training officials has revealed the following items of concern:

	DESCRIPTION	LOCATION
a)	11-12,000 gallon underground storage tank with a presumed mixture of solvent based liquid substance (Spill No. 9608496).	Approximately 300' NNE of the proposed fire tower under construction.
b)	Soil contamination with fuel/heating oil at fire training tower (Spill No. 9606805).	Within tower building excavation and immediate area south of foundation.
*c)	Soil contaminated with heating oil from a 500-gallon underground tank (Spill No. 960006805).	Near the southeast corner of the old maintenance garage floor slab.

**d)	Soil contaminated with heating/fuel oil at Geoprobe P-3.	Within gravel driveway approximately 75' east of the classroom building SE corner.
**e)	Soil contaminated with heating/fuel oil at Geoprobe P-2.	Near driveway entrance in lawn area.
f)	Separate piles of empty 55-gallon steel drums. A total of 40 drums were found.	Near the solvent tank.

- * Mitigation at these areas has been completed using a combination of soil removal and treatment of ground water.
- ** The areas have not yet been cleaned up.

3. <u>Discussion</u>

The following discussions summarize the nature of the contaminated and remediation procedures performed up to October 10, 1996 for items a), b), c and f) described above:

a) The 10,000 underground storage tank was initially observed on September 17. A funnel like device, open to the atmosphere was all that appeared at ground level. A dark liquid was observed just below the funnel device that was quite aromatic. The first assumption was that it is a solvent material, perhaps a waste product from a parts cleaner given the history of vehicle maintenance on this site. County and NYSDEC were promptly notified and a new Spill No. (9608496) was issued.

As part of the environmental assessment, a Geo-

probe crew performed 15 probes at the site on October 7, 1996 to help determine if there are additional areas of contamination and if this "solvent" tank has leaked. Four geo-probes were advanced around the tank periphery. Since the tank dimensions were unknown at that time, the probe points were kept at least 12' away from the funnel to avoid rupturing the suspected tank. The soil samples were "sniffed" with a portable photoionization detector. Probe point significantly elevated levels above the other three particularly at 1'-6' below grade at probe points (P-11, P-15 and P-14). It seems apparent from this, that the tank has leaked over time. Further discussion of the probing including soil logs can be found in Appendix I.

Additional probes (P-10 and P-13) were performed at each of the drum stockpiles. These soils were also "sniffed" with the PID and had minimal detection levels. Observation of the drums revealed that they were empty and no residual liquids, sludges or solids were present. The surrounding soils were not stained. The drums were perforated at their lids, presumably for draining into the "solvent" tank. There were no odors at these areas.

NYSDEC personnel were promptly notified and a meeting at the site was held the afternoon of October 10, 1996. A list of attendees can be found in Appendix M. Tony Kokocki of NYSDEC, Region 4, Division of Spills presided over the meeting to inform the involved parties of these findings in greater detail and mainly to discuss remediation procedures and schedule. The NYSDEC requested that

the tank and liquid contaminants be removed from the ground and stabilized on site immediately. This meant pumping the liquid into appropriate rated containers assuming the material is hazardous. NYSDEC also required analytical testing to determine contaminant levels, ignitibility, corrosivity and relative parameters to determine what the material is and establish a basis for how it should be disposed of.

Prior to the meeting discussions were held with Clean Harbours Inc. to assess testing and disposal costs for the solvent tank. Two representatives from Clean Harbours attended this meeting. County officials authorized their firm to obtain a sample and have analytical tests performed. They also authorized them to mobilize a crew to the site on Monday October 14, 1996, to pump the tank, clean the tank and lift it to the surface. The consensus at the meeting was to wait until after the test results were known to begin discussing disposal options in detail. Clean Harbours took a liquid sample from the tank after the meeting. NYSDEC required 24 hour turnaround for the test results.

The liquid in the tank was stratified in three distinct levels. A layer of sludge could be felt in the tanks bottom by insertion of a pole.

There are apparently no records of this tank, thus the volume of 11-12,000 gallons was determined only after it was pumped out on October 14, 1996. The liquid contents (approx. 11,000 gallons) have been pumped into a 21,000 gallon FRAC tank. Most of the sludge has been pumped into 55 gallon drums.

Discussions with Clean Harbour personnel indicate that the soil to the north of the tank has been contaminated. Much of this soil has been removed and bundled in polyethylene film at the surface.

A field test for PCB's by Clean Harbours was measured at levels greater than 50 PPM. A subsequent laboratory test (see Appendix G) for PCB's indicated a level of 15 PPM. The concentrations of PCB's is a highly important factor for determining appropriate disposal methods and associated costs.

b) The soil contamination at the new fire tower was initially discovered and reported to NYSDEC by the building contractor. A stipulation agreement dated August 29, 1996 was issued that delineates the corrective actions the County must undertake to mitigate this contamination. STIP # R4-097 can be found in Appendix H. The contaminated soil was excavated by County Department of Public Works personnel and hauled to the Montgomery-Otsego-Schoharie Landfill (MOSA). Approximately 67 cubic yards of contaminated soil was landfilled from this area.

The specific source of this contamination was not determined. This area was near the maintenance garage. Also contained in the contaminated soil was a small amount of construction debris and miscellaneous trash. We suspect there may have been an informal disposal area that also received drained fuel/oil products associated with vehicular maintenance.

A detailed discussion of this remediation can be found in Appendix L. The ground water tests (two separate occasions) indicated that accumulated groundwater in the stilling basin was clean. These tests are contained in Appendix G.

Fuel oil contamination was observed during our site c) visit on September 3, 1996. The source was a 500 gallon underground steel storage tank that served the oil furnace for the maintenance garage. tank was scheduled for removal (see Map in Appendix The tank was partially excavated when we first Subsequently, the County began removing contaminated soils from this area. procedure of stockpiling uncontaminated surfical soils and placing contaminated soil on plastic was NYSDEC personnel were notified of this followed. contamination and observed the excavation September 12, 1996. The carbon filters were again utilized to and cleanse accumulated pump groundwater from a "sump" excavated into the clay layer.

The soils in this area consisted of 3 to 5.5 feet of sand/gravel soils over a dense clay layer. It is believed a significant portion of the sand and gravel was placed as fill when the site was first developed.

Approximately 309 tons of soil contaminated soils were removed from this area (see Appendix K). This is equivalent to approximately 180 cubic yards.

After the excavation was advanced beyond the

visual/smell detectable limits, a composite soil sample was taken on September 17, 1996. EPA-8021 and EPA-8270 (TCLP Extraction) tests were run on the composite soil sample as directed by NYSDEC. These tests were to verify that no contaminants remained. The tests were negative for contaminants and the County subsequently backfilled this excavation.

d) The PID readings at the old drum piles were very low. These probe points were P-10 and P-13. These barrels were all dry and odor free. As discussed at the October 10, 1996 meeting on site, NYSDEC indicated these would be considered innocuous trash and could be disposed of by the County.

4. <u>Summary/Conclusions</u>

This site has supported various uses and occupancy types closely related to vehicular maintenance and the sale/distribution of fuels for many vears. Unfortunately, the responsible and safe disposal of materials such as solvents and fuel oils was not always a standard procedure, especially a generation ago. discovery of the materials discussed herein dictates that these materials be cleaned up immediately. Appropriate means, procedures, trained personnel and equipment have and are being employed to ensure the removal and safe disposal of contaminants.

As of the date of this report, two oil contaminated soil areas have been properly remediated, the solvent tank has been emptied and cleaned and the hazardous material from the tank is in containers awaiting disposal. The County

is procuring proposals from environmental firms for the proper disposal of these materials at this time. The remaining oil contamination area(s) (P-2 and P-3) will be remediated by County DPW forces in the near future.

E. PREVIOUS SITE INVESTIGATIONS

The only known previous site investigation of this site was performed by Montgomery County DPW, Division of Engineering, entitled "Preliminary Report on a Proposed Site for a Volunteer Fireman Training Center". Although the document is undated, it was reputedly authored in 1970 prior to the County purchasing the property. This report can be found in Appendix N.

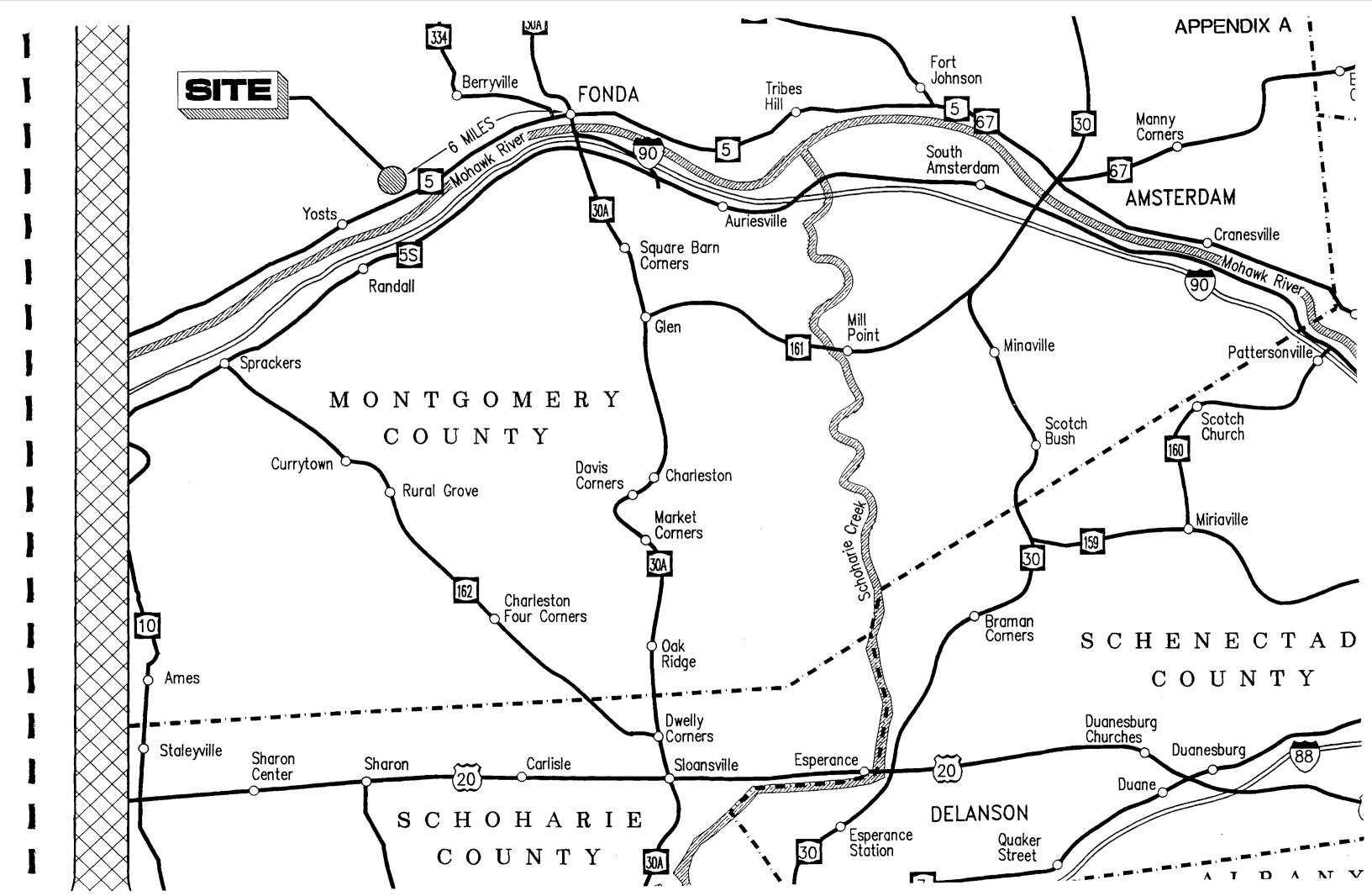
F. LISTING OF HAZARDOUS WASTE SITES

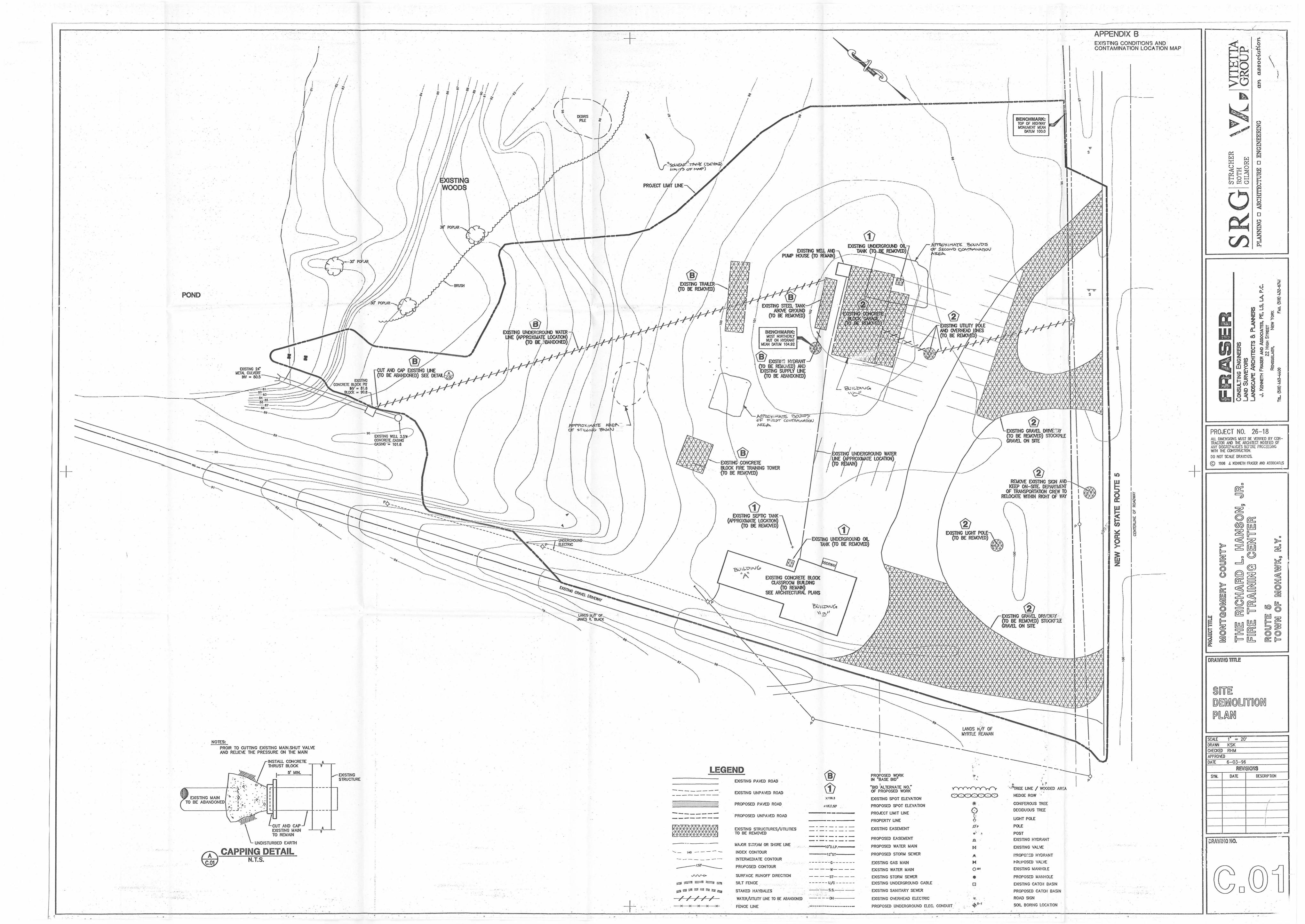
Discussions were held with the Department of Environmental Conservation, Region 4, Bureau of Hazardous Waste Remediation, to determine if the project site is on or adjacent to a recorded hazardous waste site. We were told by Dan Lightsey of the Region 4 office that the subject property is not included on any listing of active or inactive hazardous waste sites. He indicated the nearest hazardous waste site is in Fultonville at the White Mop Wringer Company.

G. <u>LIMITATION</u>

The conclusions expressed in his report are based solely on information gathered in preparation of this report. Most of the conclusions reflect observable conditions existing at the time of site inspection on September 27, 1996. This report is not intended to describe or assess all subsurface conditions at the project site. Information supplied by others has also been used in assessing the project site and the accuracy of

conclusions drawn from this information is therefore dependent upon the accuracy of the information provided.





BOUNDARY SEARCH

OF

PETERS OIL COMPANY PROPERTY

Parcel Location:

In the Town of Mohawk, along the northern margin of N.Y.S. Route 5S, S.H. #5125, east of the intersection of the abandoned portion of a town highway known as Prame Road.

Proposed Utilization of Property:

Training center for Volunteer Fireman.

Time Span of Search:

1890 to present.

_ Search Date:

- 1. Between 1891 and 1910 the New York Central and Hudson River Railroad purchased several abutting parcels of land from the Schuyler family for use as a gravel pit. Portions of three of these conveyances comprise the parcel currently under investigation. Sketches of these three parcels as purchased in 1891 and 1899, together with the associated deed references are shown in Fig. #1.
- 2. On June 17, 1932, the Railroad deeded the eastern portion of the properties to Giuseppe Bernardo and wife. Line location and specific deed information are shown in Fig. #2.
- A portion of the property was dedicated to the County of Montgomery on July 17, 1933 for highway purposes in conjunction with the reconstruction of Route 5, Palatine Bridge-Fonda Part 2, S.H. #5125. Fig. #3 illustrates the highway parcel, and notes deed references. The deed stipulates that any portion of the premises not used for highway purposes would revert to the property owners.
- 4. The remainder of the property was deeded to Arthur F. Peters and Agnes F. Peters, by the Railroad in 1940. The attached description is a copy of that in the 1940 deed. This is plotted in Fig. #4.
- 5. On January 16, 1948 the property was transferred by Arthur and Agnes Peters to the Peters Oil Co. This deed carried no description but referred to the 1940 deed.

Search Data: (cont'd,)

- 6. On July 9, 1948 the property was leased to the Gulf Oil Corporation. The lease carries slightly different bearings but similar course lengths. The 10 year lease terminated December 23, 1958.
- 7. Deed put parcel area at 12.72 Acres. Rough computations indicate a similar acreage. The approximate location of property lines is shown on the attached air photos.

DEED REFERENCES

₩ #1.	Thomas Schuyler to NYC & HRR Co.	·	April 22, 1891 Bk. 1 2 5, Pg. 152, 151
#2	Douw Schuyler & Julia S to NYC & HRR Co.	Schuyler	April 22, 1891 Bk. 125, Pg. 153
#3	Douw Schuyler & Julia S to NYC & HRR Co.	chuyler	Oct. 19, 1899 Bk. 139, Pg. 516
#4	NYC & HRR Co. to Giuseppe Bernardo & wî	•	June 17, 1932 Bk. 227, Pg. 98
#5	NYC & HRR Co. to County of Montgomery		July 17, 1933 Bk. 228, Pg. 332
#6	NYC & HRR Co. to Arthur F. Peters & Agnes F. Peters		August 7, 1940 Bk. 247, Pg. 43
<i>#</i> 7	Arthur F. Peters & Agnes F. Peters to Peters Oil Co.		January 16, 1948 Bk. 272, Pg. 191
#8	Peters Oil Co. to Gulf Oil Corporation (lease - 10 yrs.)		July 9, 1948 Bk. 274, Pg. 245
-	· No further transactions	recorded as of June	1 9, 1970
# 9	PETERS GIL CO. TO MONTGOMERY COUNTY		AUGUST 22, 1970 BK 384, PG. 735

DOUW & JULIA SCHOYLER MUCHLURGO. APRIL 22, 1841 EK 125 P4. 153 DOUW & JULIA SERVITE MYCHILER. (O. act. 19 1899 BK 139 PG 576 SECTION # 1 THOMAS SCHUYLEK NYC L HRR CO. APRIL 22,1891 BK 175 Pé 152 1874.6 MOHAWK TURNPIKE

ORIGINAL NYC & HRR CO PURCHASES
FROM SCHOYLER'S.

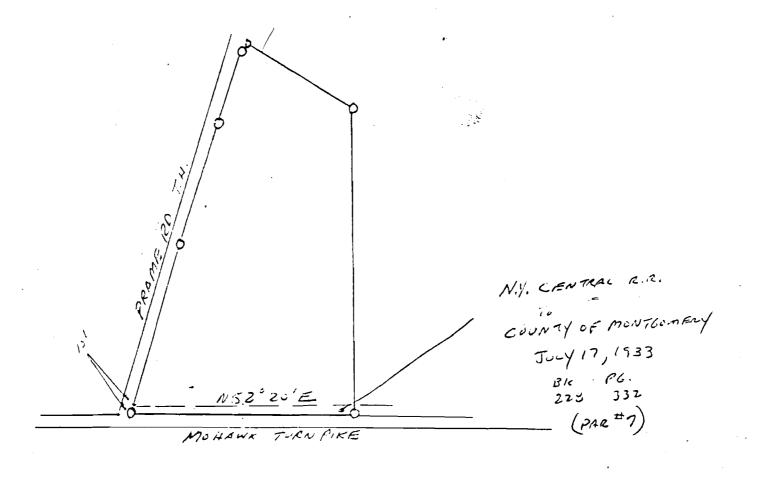
ANCETHER CO. ALTER GIUS EDUE BERNAROO

WIFE

JONE 17, 1732

BX 227 PG. 99

PORTION OF RAILEGAD PROPERTY
DECORD TO BERNARDO
IN 1932



MICHWAY PARCEL DEEDED TO COUNTY OF MONTCOMECY.

F16. # 3

AVC \$ HRR. CO ARTHUR FER AGNES F. PETERS BK 247 PG. 43 696 = MOHAWK TURN PIKE

NOTE: SAME DESCRIPTION 1N BK 272 PG 191

ARTHUR FALCHES F.

PETERS OIL CO.

PLOT OF PETERS DEED DESCRIPTION

NYCER TO ARTHUR F PETERS AGNES F PETERS

Beginning at the point formed by the intersection of the northwesterly line of premises dedicated by The New York Central Railroad Company to County of Montgomery for the purpose of a public highway only, by deed of dedication dated July 17, 1933, recorded in the office of the Clark of said County of Montgomery in Book 228 of Deeds, at Page 332, with southwesterly line of premises conveyed by said The New York Sentral Railroad Company to Giuseppe Bernardo and Wife by deed dated Julie 17, 1932, recorded in the office of the Clark of said County of Montgomery in Book 227 of Deeds, at Page 98, said point of beginning being marked by an iron monument set in the ground; and running

Thence northwesterly, along said southwesterly line of said premises conveyed to said Giuseppe Bernardo and Wife by dded dated June 17, 1932 as aforesaid, nine hundred five (905) feet, more or less, to a point in the northwesterly line of premises conveyed by Douw W. Schuyler and Julia Schuyler, his wife, to The New York Central and Hudson River Railroad Company by deed dated October 19, 1899, recorded in the office of the Clerk of said County of Montgomery in Book 139 of Deeds, at Page 516;

Thence southwesterly, along said northwesterly line of said premises conveyed by said Douw W. Schuyler and Wife by deed dated October 19, 1899 as aforesaid, three hundred seventy-three and nine tenths (373.9) fest, to the northwesterly corner of said premises;

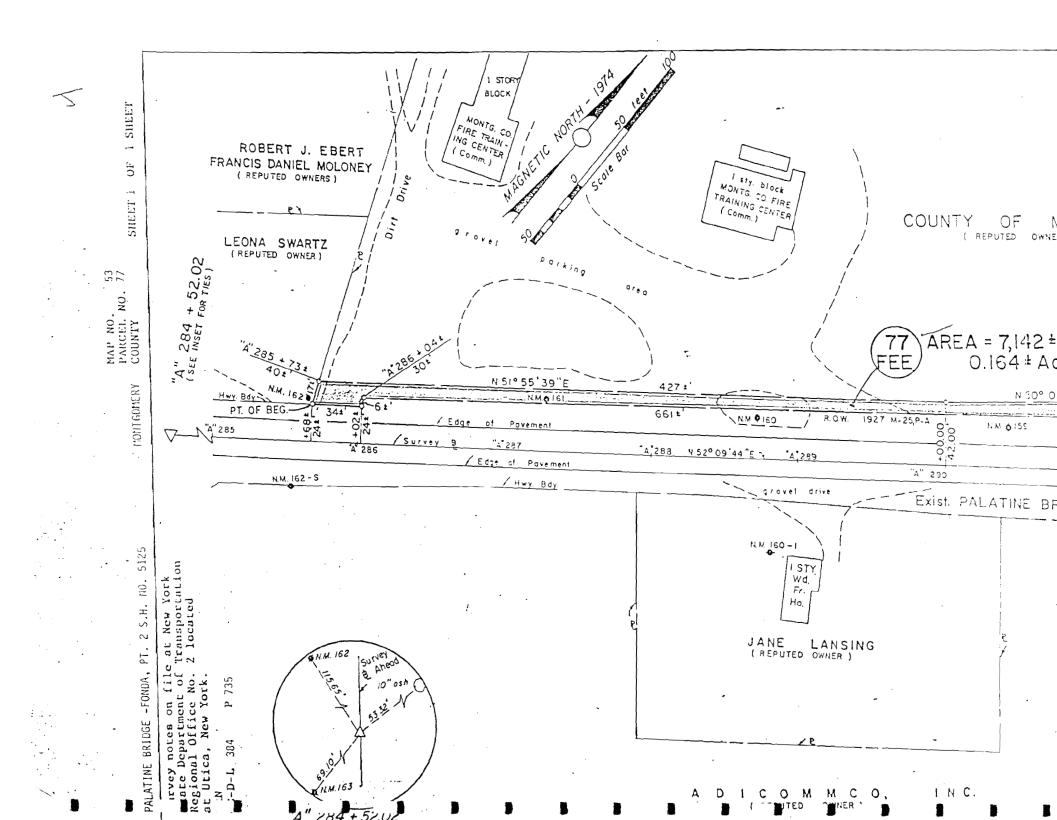
Thence southeasterly, along the southwesterly line of said premises conveyed by said Douw W. Schuyler and Wife by deed dated October 19, 1899 as aforesaid, sixteen and fifty-eight hundredths (18.58) feet, to the southwesterly corner of said premises, being the sorthwesterly corner of premises conveyed by Douw W. Schuyler and Julia Schuyler, his wife, to The New York Central and Hudson River Railroad Company by deed dated April 22, 1891, recorded in the office of the Clerk of said County of Montgomery in Book 123 of Deeds, at Page 155;

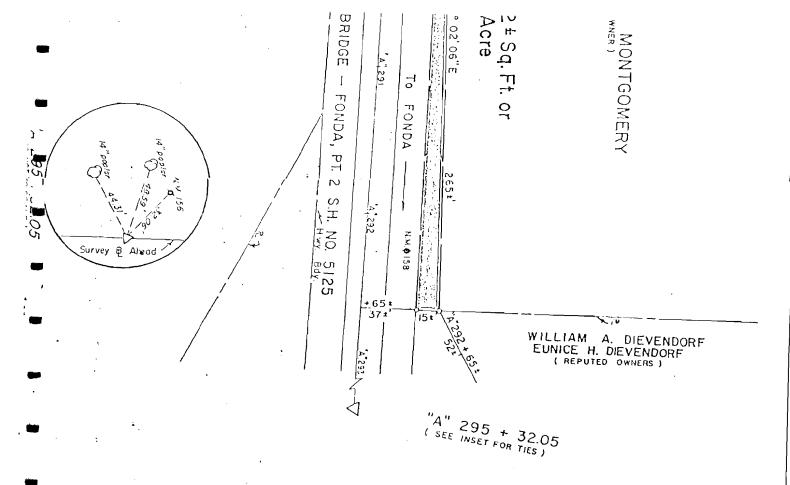
Thence southenstorly, along the southwesterly line of said premises conveyed by said [13] W. Schayler and Wife by deed dated April 22, 1891 as aforesaid, being along the center line of the highway known as Prame's Hollow Road and being in part along the northeasterly line of premises conveyed by said The New York Central Redirond Company to Adam Firsching by deed dated April 6, 1928, recorded in the office of the Clerk of said County of Montgomery in Book 215 of Deeds, at Page 494, two hundred thirty-six and three tenths (236.3) feet, more or less, to the northwesterly corner of premises conveyed by Thomas Schuyler to The New York Central and Hudson River Railroad Company by deed dated April 22, 1891, recorded in the office of the Clerk of said County of Montgomery in Book 125 of Deeds, at Page 151;

Thence southeasterly, along the southwesterly line of said premises conveyed by said Thomas Schuyler by deed dated April 22, 1891 as aforesaid, being in part along said northeasterly line of said premises conveyed by said The New York Central Railroad Company to said Adam Firsching by deed dated April 6, 1928 as aforesaid, nine hundred (900) feet, more or less, to a point in the prolongation southwesterly of said northwesterly line of said premises dedicated by said The New York Central Railroad Company to said County of Montgomery for highway purposes only by deed of dedication dated July 17, 1933 as aforesaid;

These cortheasterly, along said prolongation southwesterly and dong said northwesterly lies of said premises dedicated by said The New York Central Railread Company to said County of Mentgomery for highway purposes only by doed of dedication dated July 17, 1933 as aforesettly six handred of the si

CONTAINS twelve and coverty-two hundredths (12.72) acres of land, more or less.





All that piece or parcel of property hereinafter designated as Parcel No. 77 situate in the Town of Mohawk, County of Montgomery, State of New York, as shown on the accompanying map and described as follows:

PARCEL NO. 77

Beginning at a point on the northerly boundary of the existing Palatine Bridge-Fonda, Pt. 2 highway, at the interesection of the said boundary with the division line between the property of County of Montgomery (reputed owner) on the east and the property of Leona Swartz (reputed owner) on the west, said point being 24 + feet distant northwesterly measured at right angles from station "A" 285 + 68 + of the hereinafter described survey baseline for the reconstruction of the Palatine Bridge-Fonda, Pt. 2 State Highway No. 5125; thence northerly along said division line -17 + feet to a point 40 + feet distant northwesterly measured at right angles from station "A" 285 + 73 + of said baseline; thence through the property of the County of Montgomery (reputed owner) the following two (2) courses and distances: (1) North 51 55 39" East 427 + feet to a point 42.00 feet distant northwesterly measured at right angles from station "A" 290 + 00.00 of said baseline, and (2) North 50° 02' 06" East 265 + feet to a point on the division line between the property of the County of Montgomery (reputed owner) on the southwest and the mproperty of Hilliam A. Dievendorf and Eunice H. Dievendorf (reputed owners) on the northeast, the last mentioned point being 52 + feet distant northwesterly measured at right angles from station "A" 292 + 65 + of said baseline; thence southeasterly along said division line 15 + feet to its intersection with the northerly boundary of said exsitng highway, the last mentioned point being 37 + feet distant northwesterly measured at right angles from station A" 292 + 65 + of said baseline; thence along the last mentioned boundary of said existing highway the following three (3) courses and distances: (1) southwesterly 661 + feet to a point 30 + feet distant northwesterly - measured at right angles from station "A" 286 + 04 + of said baseline, (2) southerly 6 + feet to a point 24 + feet distant northwesterly measured at right angles from station "A" 286 + 12 + of said baseline, and (3) southwesterly 34 + feet to the point of beginning, being 7,142 + Square Feet or 0.164 Acre more or less.

The above mentioned survey baseline is a portion of the 1982 survey baseline for the reconstruction of the Palatine widge-Fonda, Pt. 2 State Highway No. 5125 as shown on a map and plan on file in the office of the State Department of Transportation and is described as follows:

__eginning at station "A" 284 + 52.02; thence North 52.00 09' 44" East to station "A" 295 + 32.05.

All bearings referred to Magnetic North as the meedle pointed in 1974.

hereby certify that this is an accurate description and map made from an accurate survey, prepared under my direction. Senior Land Surveyor License No. 48156 I hereby certify that the property described and mapped above is necessary for this project and the acquisition thereof is recommended. Date October 17, 1986 Regional Director of Transportation Region No. 2 NEW YORK STATE DEPARTMENT OF TRANSPORTATION DESCRIPTION AND MAP FOR THE ACQUISITION OF PROPERTY PALATINE BRIDGE-FONDA, PT. 2 S.H. NO. 5125 MONTGOMERY COUNTY TIAP NO. TOTAL AREA = 7.142 + Sq. Ft.COUNTY OF MONTGOMERY PARCEL NO. (Reputed Owner). 0.164 + Acre escription and map of property which the Commissioner of Transportation deems necessary to be acquired by appropriation in the name of the people of the State of New York in fee for purposes connected with the highway system of the State of New York pursuant to Section 30 of the Highway Law and the Eminent Domain Procedure Law, There is excepted from this appropriation all the right, title and interest, if any, of the. United States of America, in or to said property. Pursuant to statute set forth above and the authority delegated to me by official order of the commissioner of transportation, the above description and map are hereby officially approved and said description and the original tracing of this map are thereby of ! Icially filed in the office of the department of transportation. Director, Real Estate Division DANIEL J. CURNETT I have compared the foregoing copy of description and map with the original thereof, as filed in the office of the department of transportation and I do hereby certify the same to be a strue and correct copy of said original and of the whole thereof. Col Estate Division

M. Y. DEED-FULL COVENANT (FROM A CORPORATION) (Laws of 1917, Chap. etl, Statutory Form AA)

TUTBLANX REGISTERED US PAT OFFICE Tuttle Law Print, Publishers, Rulland, H.

ris Indenture.

Made the Seventy

day of August

Nineteen Hundred and

Between PETERS OIL CO. INC., a domestic corporation with its principal office and place of business at #1-5 Cayadutta Street, Gloversville, Fulton County, New York, a corporation organized under the laws of the State of New York,

party of the first part, and

COUNTY OF MONTGOMERY, a municipal corporation and one of the political subdivisions of the State of New York,

party of the second part,

Witnessell, that the party of the first part, in consideration of

----TWENTY-FIVE THOUSAND and OO/100------Dollars

18 25,000.00) lawful money of the United States, and other good and valuable consideration paid by the party of the second part,

does hereby grant and release unto the part y of the second part,

its successors und assigns forever, all that certain piece or parcel of land, situate, lying and being in the Town of Mohawk, County of Montgomery and State of New York, bounded and described as follows:

BEGINNING at the point formed by the intersection of the north-westerly line of premises dedicated by said party of the first part to County of Montgomery for the purpose of a public highway only, by deed of dedication dated July 17, 1933, recorded in the office of the Clerk of said County of Montgomery in Book 228 of Deeds, at Page 332, with the southwesterly line of premises conveyed by said party of the first part to Giuseppe Bernardo and Wife by deed dated June 17, 1932, recorded in the office of the Clerk of said County of Montgomery in Book 227 of Deeds, at Page 98, said point of beginning being marked by an iron monument set in the ground; and running monument set in the ground; and running

Thence northwesterly, along said southwesterly line of said premise conveyed to said Giuseppe Bernardo and Wife by deed dated June 17, 1932 as aforesaid, nine hundred five (905) feet, more or less, to a point in the northwesterly line of premises conveyed to Douw W.Schuyler and Julia Schuyler, his wife, to The New York Central and Mudson River Railroad Company by deed dated October 19, 1899, recorded in the office of the Clerk of said County of Montgomery in Book 139 of Deeds, at Page 516;

Thence southwesterly, along said northwesterly line of said premises conveyed by said Douw W. Schuyler and Wife by deed dated October 19, 1899, as aforesaid, three hundred seventy-three and nine tenths (373.9) feet, to the northwesterly corner of said premises;

Thence southeasterly, along the southwesterly line of said premises conveyed by said Douw W. Schuyler and Wife by deed dated October 19, 1899 as aforesaid, sixteen and fifty-eight hundredths (16.58) feet, to the southwesterly corner of said premises, being the northwesterly corner of premises conveyed by Douw W. Schuyler and Julia Schuyler, his wife, to The New York Central and Hudson River Railroad Company by deed dated April 22, 1891, recorded in the office of the Clork of said deed dated April 22, 1891, recorded in the office of the Clark of maid

BUCK 384 PAGE 735

County of Montgomery in Book 125 of Deeds, at Page 153;

Thonco conthonatorly, along the conthweaterly line of anid promises conveyed by anid Douw W. Schuyler and Wife by doed dated April 22,1891 conveyed by anid Douw W. Schuylor and Wife by doed dated April 22,1891 as aforesaid, being along the center line of the highway known as Prame's Hollow Road and being in part along the northeasterly line-of-premises conveyed by said party of the first part to Adam Firsching by deed dated April 6, 1928, recorded in the office of the Clerk of said County of Montgomery in Book 215 of Deeds at Page 494, two hundred thirty-six and three tenths (236.3) feet, more or less, to the north-westerly corner of premises conveyed by Thomas Schuyler to the New York Contral and Hudson River Railroad Company by deed dated April 22, 1891, recorded in the Office of the Clerk of said County of Montgomery in Book 125 of Deeds, at Page 151;

Thence southeasterly, along the southwesterly line of said premises

Thence noutheasterly, along the southwesterly line of said promises conveyed by said Themas Schuyler by deed dated April 22, 1891 as aforesaid, being in part along said northeasterly line of said promises conveyed by said party of the first part to said Adam Firshing by deed dated April 6, 1928 as aforesaid, nine hundred (900) feet, more or less, to a point in the prolongation southwesterly of said north-

westerly line of said premises dedicated by said party of the first part to said County of Montgomery for highway purposes only by deed of dedication dated July 17, 1933 as aforesaid;

Thence northeasterly, along said prolongation southwesterly and along said northwesterly line of said premises dedicated by said party of the first part to said County of Montgomery for highway purposes only by deed of dedication dated July 17, 1933 as aforesaid, six hundred ninety-six (696) feet, more or less, to the point and place of beginning. of beginning.

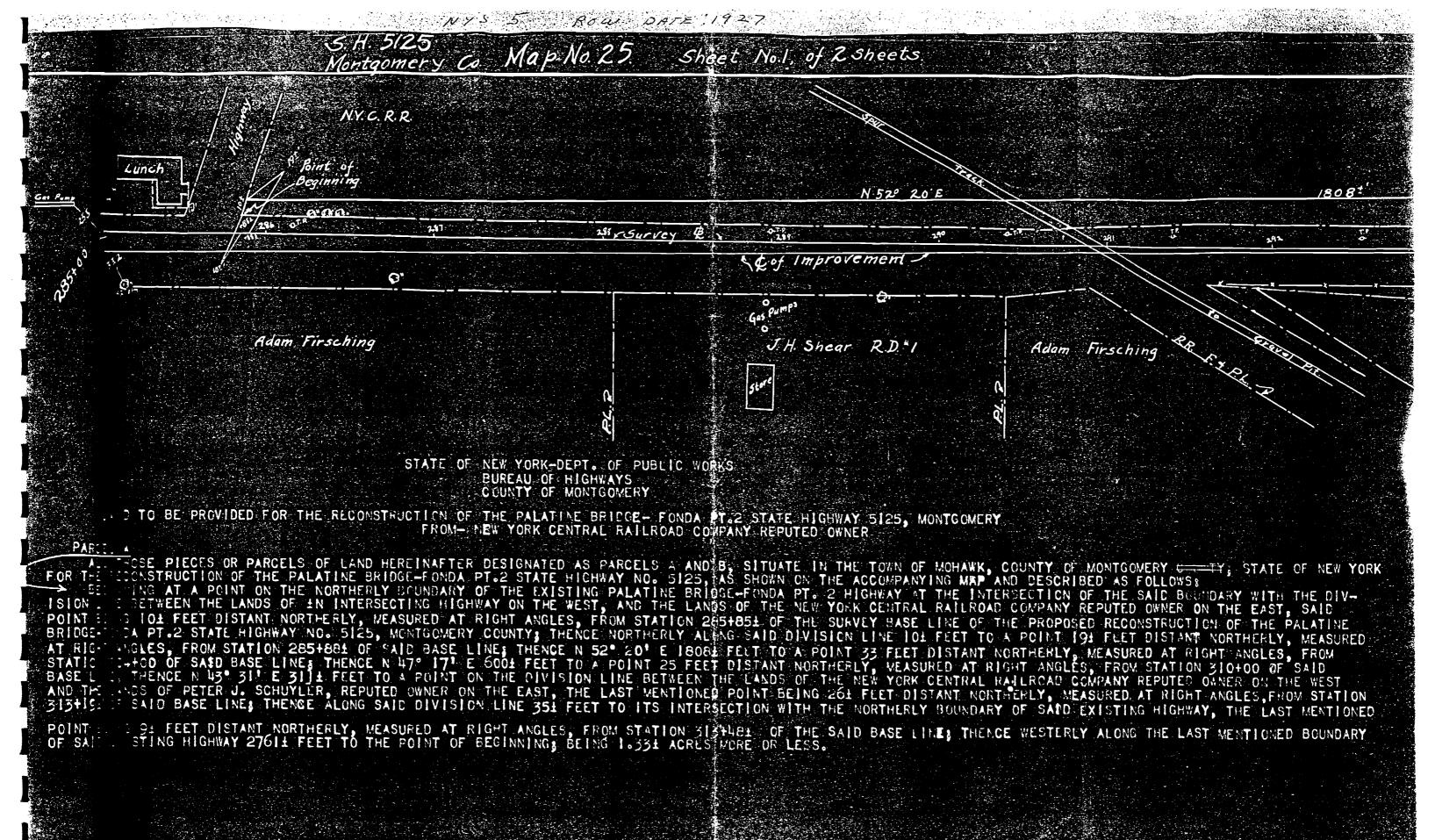
CONTAINING twelve and seventy-two hundredths (12.72) acres of land

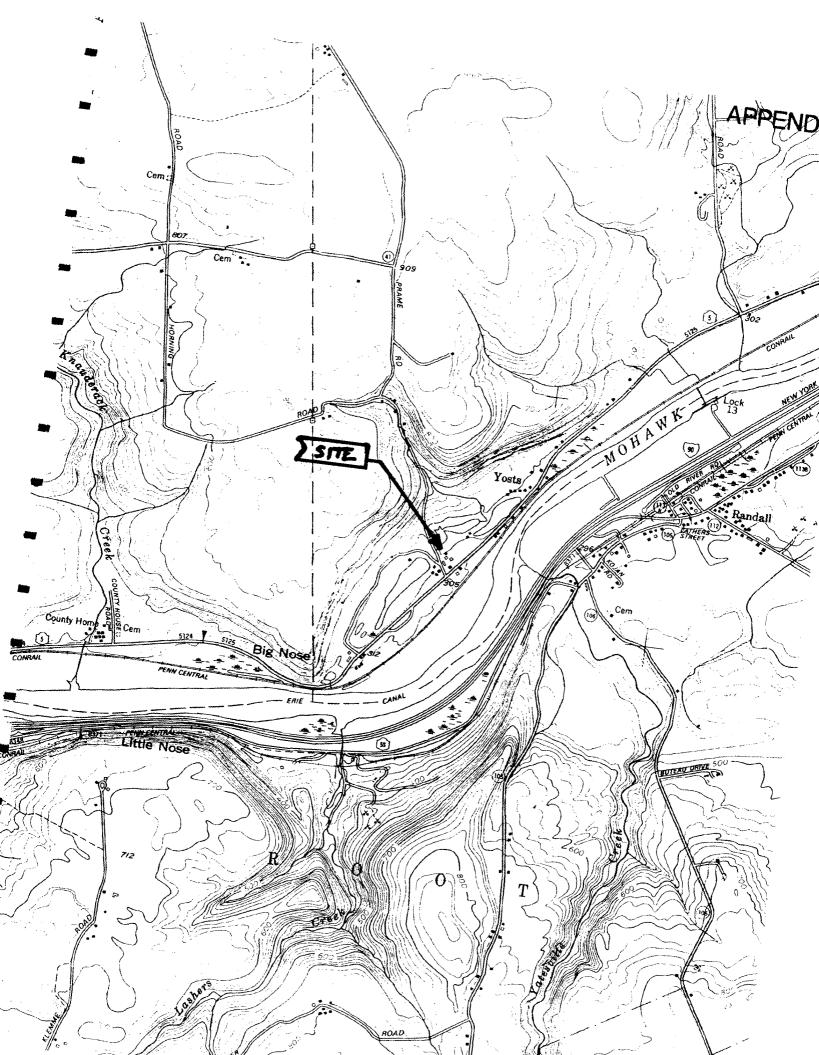
more or leas.

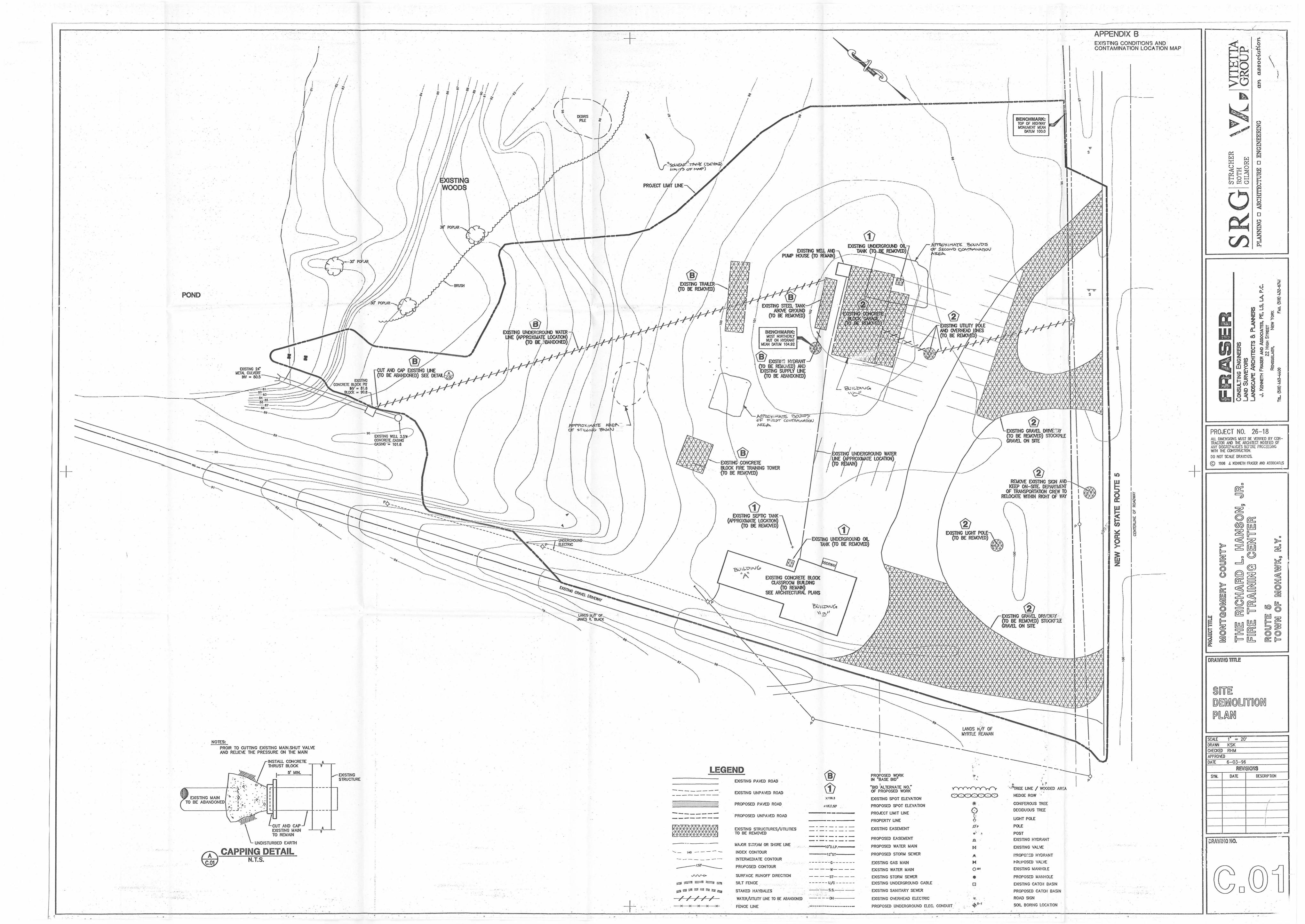
Boing the same promises as conveyed to party of the first part by Arthur F. Peters and Agnes F. Peters, his wife, by deed dated January 16, 1948 and recorded in the Montgomery County Clerk's Office on May 20, 1948 in Book 272 of Deeds at Page 191.

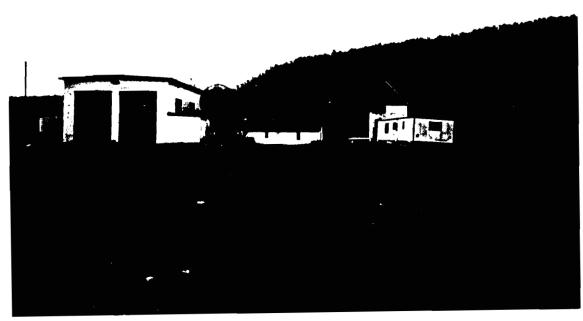
Scale 1 = 50' N.Y.C. R.R. New ROW Lines Parcel A Area: 1331 Acres 57 20' 1, LE 0 112 Ges Punpo, Go Porch Fred Burch Est. House C. J. Bauder J.A. Cross Est. Randall, N.Y. Pal. Br. (Mrs J.A.C.) BEGINNING AT A POINT ON THE SOUTHERLY BOUNDARY OF THE EXISTING PALATINE BRIDGE-FONDA HTGHWAY AT THE INTERSECTION OF THE SAID BOUNDARY WITH THE DIVISION LINE TWEEN THE LANDS OF FRED BURCH, EST. REPUTED OWNER ON THE WEST, AND THE LANDS OF THE NEW YORK CENTRAL RAILROAD COMPANY, REPUTED OWNER ON THE EAST, SAID POINT ING 241 FIET DISTANT SOUTHERLY, WEASURED AT RIGHT ANGLES, FROM STATION 304+721 OF THE PALATINE BRIDGE-TO A POINT STATE HIGHWAY NO. 5125, MONTGOMERY COUNTY, THENCE SOUTHERLY ALONG SAID DIVISION LINE STATE TO A POINT 291 FEET DISTANT SOUTHERLY, MEASURED AT GHT ANGLES, FROM STATION 304+721 OF SAID BASE LINE; THENCE N 47° 30° E 1781 FEET TO A POINT 32 FEET DISTANT SOUTHERLY, MEASURED AT RIGHT ANGLES, FROM STATION 6+50 OF SAID BASE LINE; THENCE N 45° 22° E 3501 FEET TO A POINT ON THE SOUTHERLY BOUNDARY OF SAID EXISTING HIGHWAY, THE LAST MENTIONED POINT BEING 251 FEET STANT, MEASURED AT RIGHT ANGLES, FROM STATION 310+001 OF SAID BASE LINE; THENCE WESTERLY ALONG THE LAST MENTIONED BOUNDARY OF SAID EXISTING HIGHWAY 3281 FEET DITHER POINT OF BEGINNING; BEING 0.101 ACRES MORE OR LESS. THE ABOVE MENTIONED SURVEY BASE LINE IS A PORTION OF THE SURVEY BASE LINE FOR THE SAID PROPOSED RECONSTRUCTION OF THE PARATINE BRIDGE-FONDA PT. 2 STATE IGHWAY NO. 5125, MONTGOMERY COUNTY AS SHOWN ON A MAP ON FILE IN THE OFFICE OF THE CLERK OF MONTGOMERY COUNTY. TRACED BY Madsey COMPILED BY Kingrose CHECKED BY Madsen - Ringrose CHECKED BY DATED May 26, 1927

CR:









LOOKING SOUTHINGST TOWARDS FORMER MAINTENANCE CARAGE



LOOKING WEREHURST TOWARDS TRAINING



LOOKING NORTHWEST TOWNEDS POND



ALONG ROUTE 5 LOCKING NORTHEAST



314 North Pearl Street • Albany, New York 12207 • 518 434-4546 • Fax: 518 434-0891

LABORATORY REPORT

for

J. Kenneth Fraser 22 High Street Rensselaer, NY 12144

Attention: Kenneth Fraser

RECEIVED

SEP 11 199)

J. KENNETH FRASER AND ASSOCIATES, P.S.

Report date: 09/10/96

Number of samples analyzed:

AES Project ID: 960903AI

Invoice #: 167202

ELAP ID#: 10709 AIHA ID#: 12144-001

Page 1

3



314 North Pearl Street • Albany, New York 12207 • 518 434-4546 • Fax: 518 434-0891

CLIENT: J. Kenneth Fraser Date Sampled: 09/03/96
CLIENT'S SAMPLE ID: 1-Raw Stilling Basin Date sample received: 09/03/96

AES sample #: 960903AI01 Samples taken by: Fraser/Grant Location: Montgomery Cnty

MATRIX: Water grab

, 1111(11)		9		
METHOD	RESULT	<u>UNITS</u>	NOTEBK REF	TEST DATE
EPA-503.1	<0.5	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/ì	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<i< td=""><td>ug/l</td><td>BW-C</td><td>09/06/96</td></i<>	ug/l	BW-C	09 / 06 /9 6
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	EW-C	09/06/96
EPA-503.1	<;	ug/l	BW-C	09/06/96
EPA-503.1	<î	ug/i	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<1	ug/l	BW-C	09/06/96
EPA-503.1	<.	ug/l	BW-C	09/06/96
	EPA-503.1	EPA-503.1 <0.5 EPA-503.1 <1 EPA-503.1 <1	EPA-503.1	EPA-503.1 <0.5



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CLIENT: J. Kenneth Fraser Date Sampled: 09/03/96 CLIENT'S SAMPLE ID: 1-Raw Stilling Basin Date sample received: 09/03/96 AES sample #: 960903AI01 Samples taken by: Fraser/Grant Location: Montgomery Cnty MATRIX: Water grab continued: RESULT NOTEBK REF PARAMETER PERFORMED METHOD UNITS TEST DATE m-Dichlorobenzene EPA-503.1 <1 ug/1 BW-C 09/06/96 EPA-503.1 ug/1 BW-C 09/06/96 _ n-Butylbenzene 1:> o-Dichlorobenzene EPA-503.1 <1 ug/1 BW-C 09/06/96 Hexachlorobutadiene EPA-503.1 BW-C 09/06/96 <2 ug/109/06/96 1,2,4 Trichlorobenzene EPA-503.1 <2 ug/1BW-C <5 BW-C 09/06/96 Naphthalene EPA-503.1 ug/l BW-C 09/06/96 EPA-503.1 <5 ug/l __1,2,3-Trichlorobenzene 09/06/96 BW-C Methyl-t-Butyl Ether EPA-503.1 <2 ug/1



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CLIENT: J. Kenneth Fraser Date Sampled: 09/03/96
CLIENT'S SAMPLE ID: 2-Filtered Date sample received: 09/03/96

AES sample #: 960903AI02 Samples taken by: Fraser/Grant Location: Montgomery Cnty

MATRIX: Water grab

				9		
	PARAMETER PERFORMED	METHOD	RESULT	<u>UNITS</u>	NOTEBK REF	TEST DATE
1	Benzene	EPA-503.1	<0.5	ug/l	BW-C	09/06/96
ł	Trichloroethylene	EPA-503.1	<1	ug/l	BW-C	09/06/96
	Toluene	EPA-503.1	<1	ug/l	BW-C	09/06/96
1	Tetrachloroethene	EPA-503.1	<î	ug/l	BW-C	09/06/96
	Ethylbenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96
	p-Xylene	EPA-503.1	<1	ug/l	BW-C	09/06/96
•	Chlorobenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96
	m-Xylene	EPA-503.1	<1	ug/l	BW-C	09/06/96
ı	∍ o-Xylene	EPA-503.1	<1	ug/l	BW-C	09/06/96
	Isopropyl Benzene	EPA-503.1	<1	ug/l	BW-C	09/06/96
1	Styrene	EPA-503.1	<1	ug/l	BW-C	09/06/96
•	n-Propylbenzene	EPA-503.1	<.	ug/l	BW-C	09/06/96
	t-Butylbenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96
	o-Chlorotoluene	EPA-503.1	<1	ug/l	BW-C	09/06/96
	p-Chlorotoluene	EPA-503.1	<1	ug/1	BW-C	09/06/96
•	Bromobenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96
	1,3,5-TMB & Sec-BB Total	EPA-503.1	<1	ug/l	BW-C	09/06/96
	p-Cymene	EPA-503.1	<1	ug/l	BW-C	09/06/96
4	1,2,4-Trimethylbenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96
	p-Dichlorobenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96



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J. Kenneth Fraser 09/03/96 CLIENT: Date Sampled: CLIENT'S SAMPLE ID: 2-Filtered Date sample received: 09/03/96 AES sample #: 960903AI02 Samples taken by: Fraser/Grant Location: Montgomery Cnty MATRIX: Water grab continued: RESULT TEST DATE METHOD <u>UNITS</u> NOTEBK REF PARAMETER PERFORMED EPA-503.1 <1 BW-C 09/06/96 m-Dichiorobenzene ug/1EPA-503.1 09/06/96 BW-C _n-Butylbenzene <1 uq/109/06/96 o-Dichlorobenzene EPA-503.1 <1 ug/l BW-C BW-C 09/06/96 Hexachlorobutadiene EPA-503.1 <2 ug/l 09/06/96 EPA-503.1 ug/1BW-C 1,2,4 Trichlorobenzene <2 EPA-503.1 <5 ug/1 BW-C 09/06/96 Naphthalene BW-C 09/06/96 EPA-503.1 <5 ug/1__1,2,3-Trichlorobenzene BW-C 09/06/96 ZPA-503.1 <2 ug/l Methyl-t-Butyl Ether 09/06/96 EW-C Total Petroleum Hydrocarbons <10 ug/1



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CLIENT: J. Kenneth Fraser Date Sampled: 09/03/96 CLIENT'S SAMPLE ID: 3-Potable Date sample received: 09/03/96

Water

MATRIX:

AES sample #: 960903AIO3 Samples taken by: Fraser/Grant Location: Hontgomery Cnty

grab

PARAMETER PERFORMED	METHOD	RESULT	<u>UNITS</u>	NOTEBK REF	TEST DATE	
Benzene	EPA-503.1	<0.5	ug/l	BW-C	09/06/96	
Trichloroethylene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
Toluene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
■Tetrachloroethene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
Ethylbenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
p-Xylene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
Chlorobenzene	ZPA-503.1	<1	ug/l	BW-C	09/06/96	
m-Xylene	EPA-503.1	<1	ug/l	EW-C	09/06/96	
w o-Xylene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
Isopropyl Benzene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
Styrene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
n-Propylbenzene	EPA-503.1	<.	ug/l	BW-C	09/06/96	
t-Butylbenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
-o-Chlorotoluene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
p-Chlorotoluene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
Bromobenzene	EPA-503.1	<.	ug/l	BW-C	09/06/96	
1,3,5-TMB & Sec-BB Total	EPA-503.1	<1	ug/l	BW-C	09/06/96	
p-Cymene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
1,2,4-Trimethylbenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96	
p-Dichlorobenzene	EPA-503.1	<1	ug/l	BW-C	09/06/96	



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J. Kenneth Fraser CLIENT: Date Sampled: 09/03/96 CLIENT'S SAMPLE ID: 3-Potable Date sample received: 09/03/96 AES sample #: 960903AI03 Samples taken by: Fraser/Grant Location: Montgomery Cnty MATRIX: Water grab continued: RESULT PARAMETER PERFORMED NETHOD UNITS NOTEBK REF TEST DATE m-Dichlorobenzene EPA-503.1 **i>** BW-C 09/06/96 ug/1EPA-503.1 <1 BW-C 09/06/96 n-Butylbenzene ug/1o-Dichlorobenzene EPA-503.1 <1 ug/l BW-C 09/06/96 09/06/96 Hexachlorobutadiene EPA-503.1 <2 ug/1BW-C 1,2,4 Trichlorobenzene EPA-503.1 <2 ug/1 BW-C 09/06/96 EPA-503.1 ug/1 BW-C 09/06/96 <5 Naphthalene 09/06/96 EPA-503.1 <5 ug/l BW-C 1,2,3-Trichlorobenzene BW-C 09/06/96 Methyl-t-Butyl Ether EPA-503.1 <2 ug/l

APPROVED BY:

Report date: 09/10/96

ara



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A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

J. Kenneth Frasor & Assocs Mont	NAME (Locat	tion) ry Cour	ty	SAMPLERS: (Names) S.K. Frasent, 4				& Brad Grant	
Rensselacy, N. TIZIAL	ER			SAMPL	ERS	Signatu	ire)	e, -	Bradley D. J.
AES SAMPLE NUMBER SAMPLE IDENTIFICATION & LO	OCATION		ATE IPLEO	Time A=a.r P=p.r	m.	SAMPLI	E TXPE	NUMBER	
#1 Raw-Basin Stilling &	Basin	9/3/	96	2:3 5	Á (P)	JUÄ	X	2	BTEX, Naptha
					A P				by EPA 503
#2 Filteral Filter E	fluen	7 9/3/	96:	2:40	Â		×	2€	TPH (
					A P				
#3 Potable Potable Wa Training Ctr. Be	ter	9/3/	96.	3:15	ê)	1	X	2	//
Training Ctr. Be	attroc	ر مر			A P				
0903 AI TRIP BUA	nk				A P				
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*** Table 1					A				
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					P A		-		
Turnaround Time:		1 1 1 14	• . •.	Labe	orat	tory A	ppro	val:	The second secon
Relinquished by: (Signature)	R	eceived l	by: (si	gneture)					Date/Time
Relinquished by: (Signature)	R	eceived b	by: (si	nature)					Date/Time
Relinquished by: (Signature)	R	eceived b	Oy: (si	 nature)		_			Date/Time
	Date/Ti	me I	Recei	ved f	or I	Labora	atory	by:	Date/Time
Method of Shipment:	Sen	Send Report To:					Client Phone No.		

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy



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NOTE:

EPA 503.1 is not an approved method for the analysis of presence of MTBE. Therefore, the presence of MTBE in samples may not be reliable.

Although currently there is no approved methods for this compound, we recommend additional analysis such as GCMS which would greatly improve the reliability of the test results.



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LABORATORY REPORT

for

J. Kenneth Fraser 22 High Street Rensselaer, NY 12144

Attention: Kenneth Fraser

FIRST CONTAMINATION ATEGA

Report date: 09/13/96

Number of samples analyzed: 1

AES Project ID: 960912A1

Invoice #: 167603

ELAP ID#: 10709 AIHA ID#: 12144-001

Page 1



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CLIENT: J. Kenneth Fraser Date Sampled: 09/12/96 CLIENT'S SAMPLE ID: Stilling Basin Date sample received: 09/12/96 Location: Mont County

AES sample #: 960912AI01 Samples taken by: Brad Grant MATRIX: Water grab

	MAIRIX: Water	grap					
PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTERK REF	TEST DATE		
Benzene	EPA-503.1	<0.5	ug/l	BW-D	09/12/96		
Toluene	EPA-503.1	<1	ug/l	BW-D	09/12/96		
Ethylbenzene	EPA-503.1	<1	ug/l	BW-D	09/12/96		
Xylenes	EPA-503.1	<1	ug/l	BW-D	09/12/96		
Naphthalene	EPA-503.1	<5	ug/l	BW-D	09/12/96		
Naphthalene	EPA-625	<10	ug/l	MT-BF-38	09/13 /9 6		
Acenaphthylene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Acenaphthene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Fluorene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Phenanthrene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Anthracene	EPA- 625	<10	ug/l	MT-BF-38	09/13/96		
Fluoranthene	EFA-625	O <i>î></i>	ug/l	MT-BF-38	09/13/96		
Pyrene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Chrysene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Benzo(b)fluoranthene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Benzo(k)fluoranthene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Benzo(a)pyrene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Indeno(1,2,3-cd)pyrene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Dibenzo(a,h)anthracene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		
Benzo(g,h,i)perylene	EPA-625	<10	ug/l	MT-BF-38	09/13/96		



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CLIENT: J. Kenneth Fraser

_AES sample #: 960912AI01

Date Sampled:

09/12/96

CLIENT'S SAMPLE ID: Stilling Basin

Samples taken by: Brad Grant

Date sample received: 09/12/96 Location: Mont County

MATRIX:

Water

grab

continued:

PARAMETER PERFORMED	METHOD	RESUL/T	<u>UNITS</u>	NOTEBK REF	TEST DATE
Benzo(a)anthracene	EPA-625	<10	ug/l	MT-BF-38	09/13/96
2-Methylnapthalene	EPA-625	<10	ug/l	MT-BF-38	09/13/96

Report date: 09/13/96

3



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LABORATORY REPORT

for

J. Kenneth Fraser 22 High Street Rensselaer, NY 12144

Attention: Bradley Grant

RECEIVED

LATERATE CALL وطاف في الرضع أناه بالمراجع في الصاعبات

Report date: 10/02/96

Number of samples analyzed: 960927AH

AES Project ID:

Invoice #: 168184

AIHA ID#: 12144-001 ➡ELAP ID#: 10709

Page 1



314 North Pearl Street • Albany, New York 12207 • 518 434-4546 • Fax: 518 434-0891

CLIENT: J. Kenneth Fraser Date Sampled: 09/27/96
CLIENT'S SAMPLE ID: Excavation @ Fuel Tk Date sample received: 09/27/96

AES sample #: 960927AH01 Samples taken by: Erad Grant Location: Montgomery Cnty

MATRIX: Soil grab

PARAMETER PERFORMED	METHOD	RESULT	<u>UNITS</u>	NOTEBK REF	TEST DATE
TCLP Extraction - 2HE	EPA-1311	Complete		BW-D	09/27/96
Benzene-TCLP Extract	EPA-8021	<0.5	ug/l	BW-D	09/30/96
Ethylbenzene-TCLP Extract	EPA-8021	<1	ug/l	BW-D	09/30/96
Toluene-TCLP Extract	EPA-8021	<1	ug/l	BW-D	09/30/96
o-Xylene-TCLP Extraction	EPA-8021	<1	ug/l	BW-D	09/30/96
m-Xylene-TCLP Extract	EPA-8021	<1	ug/l	BW-D	09/30/96
p-Xylene-TCLP Extract	EPA-8021	<1	ug/l	BW-D	09/30/96
Isopropyl Benzene-TCLP Extract	EPA-3021	<1	ug/l	BW-D	09/30/96
■n-Propylbenzene-TCLP Extract	EPA-8021	<1	ug/l	BW-D	09/30/96
p-Cymene-TCLP Extraction	EPA-8021	< <u>,</u>	ug/l	BW-D	09/30/96
1,2,4-Trimethylbenzene-TCLP Ex	EPA-8021	<1	ug/l	BW-D	09/30/96
1,3,5-TMB & Sec-BB TCLP Ext.	EPA-8021	< <u>,</u>	ug/l	BW-D	09/30/96
n-Butylbenzene-TCLP Extraction	EPA-8021	<1	ug/l	BW-D	09/30/96
■Naphthalene-TCLP Extraction	EPA-8021	<5	ug/l	BW-D	09/30/96
Methyl-t-Butyl Ether-TCLP Ext.	EPA-8021	<2	ug/i	BW-D	09/30/96
t-Butylbenzene-TCLP Extract	EPA-8021	<1	ug/l	BW-D	09/30/96
TCLP Extraction	EPA-1311	Complete		TCLP-B-46	09/27/96
Acenaphthene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Anthracene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Benzo(a)anthracene-TCLP Ext.	EPA-8270	<10	ug/l	MT-BF-44	10/01/96



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i i i i i i i i i i i i i i i i i i i	@ Fuel Tk amples taken by: ATRIX: Soil	Da		received: 09 ation: Montg	/27/96 /27/96 omery Cnty
continued: <u>PARAMETER</u> <u>PERFORMED</u>	METHOD	RESULT	<u>UNITS</u>	NOTEBK REF	TEST DATE
Benzo(a)pyrene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Benzo(b)fluoranthene-TCLP Ext.	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Benzo(k)fluoranthene-TCLP Ext.	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Crysene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Dibenz(a,h)anthracene-TCLP Ext	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Fluoranthene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Fluorene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Phenanthrene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
■ Pyrene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Benzo(g,h,i)perylene-TCLP Ext.	EPA-8270	<10	ug/i	MT-BF-44	10/01/96
Indeno(1,2,3-cd)pyrene-TCLP Ex	EPA-8270	<10	ug/l	MT-BF-44	10/01/96
Naphthalene-TCLP Extraction	EPA-8270	<10	ug/l	MT-BF-44	10/01/96

APPROVED BY: Peter B. Butryn
Report date: 10/02/96



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A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

CLIENT NAME J. KENNETH F ASSOCI	RASCRE	PROJECT NAME (I			SAMPLERS: (Names)									
ADDRESS HIGH ST.	TE VESELAGI	PO NUMBER			SAMPL	ĻERS	: (Signatur	re)		<u> </u>	-	$\overline{\mathscr{A}}$		
W. V.Y. 12194	30.				TIME		sample	_		NUMBER	<u>رن به</u> آ	1		
AES SAMPLE NUMBER	SAMPLE IDENTIF	ELIENT FICATION & LOCATIO	N	DATE Sampled	A=a.ı P=p.ı		MATRIX	COMP	GRAB	OF CONT'S		ANALYSIS	S REQUI	RED
1 EXCAVATION AT FEBRET THINK	EXEAUATION FUEL TANK	AT FARME (COMPOSIT	R 9/2	7/96	2:15	A D A			χ		EPA TC	100°	と(——	STAIC
# 2 EXMAMON OF FORMER FUTURE	EXCHUMAN	AT FOLME	1C 9/	7/96	Z: 20	Р			X		EPA	382	.70	STATE
T FORMAL! THINK	FUEL TAVIO	- (COMPOSITE) /2	<u>~110 </u>		A P			<u>, `</u>		10	<u> </u>		
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Dispatched by: (Sign	nature)	Date						Di	ete/Ti	 ime /27				
Method of Shipme	ent:	s	end Rep	end Report To Puld Lu Mant Client Phon										

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

WHITE - Lab Copy

YELLOW - Sampler Copy

P!NK - Generator Copy

CLIENT: Clean Harbors, Inc. CLIENT'S SAMPLE ID: Tank (UST) Date Sampled: 10/10/96

AES sample #: 961010AL01 Samples taken by: A. Truscallo Location: Montgomery Cn.

Date sample received: 10/10/96

MATRIX: 011

composite

PARAMETER PERFORMED	HETHOD	RESULT	UNITS	NOTEBK REF	IESI DA
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-F-20	10/11/
Cyanide	EPA-9010	(1)	π ā∖ā	HC-0-46	10/11/
Sulfide	EPA-9030	100	ug/g	MC-F-20	10/11/
Corrobivity	SW-846	Nan	Corosive	MC-N-20	10/11/
Flashpoint	ASTH D93-77	72	华	HC-D-25	10/11/
TCLP Extraction (ZHE)	EPA-1311	Complete		AP-BI-2	10/10.
Benzene - TCLP Extract	EPA-8240	<0. 5	×	AP-BI-2	10/10.
Carbon Tetrachloride-TCLP Ext.	EPA-8240	⟨0.5	*	AP-BI-2	10/10.
Chlorobenzene-TCLP Extract	EPA-8240	<0.5	*	AP-BI-2 -	10/10.
Chloroform-TCLP Extract	EPA-8240	⟨0.5	x	AP-BI-2	10/10
1,2-Dichloroethame-TCLP Ext.	EPA-8240	(0.5	x	AP-BI-2	10/10
1,1-Dichloroethene-TCLP Ext.	EPA-8240	₹0.5	x	AP-BI-2	10/10
Hethyl Ethyl Ketone-TCLP Ext.	EPA-8240	⟨0.5	×	AP-BI-2	10/10
Tetrachlorethylene-TCLP Ext.	EPA-8240	(0.5	x	AP-81-2	10/10
Trichloroethylene-TCLP Extract	EPA-8240	(0.5	×	AP-BI-2	10/10
Vinyl Chloride-TCLP Extraction	EPA-0240	<1	×	AP-81-2	10/10
TCLP Extraction	EPA-1311	Complete		TCLP	10/10
Nitrobenzene-TCLP Extract	EPA-8270	<1000	mg/l	MT-BH-1	10/1
Pyridina-TCLP Extract	EPA-8270	<1000	ag/1	MT-BH-1	10/1
Cresols (Total) TCLP Extract.	EPA-8270	(1000	ag/l	HT-8H-1	10/1
					*

Silver-TCLP Extraction

#4/4

CLIENT: Clean Harbors, Inc. Date Sampled: 10/10/96 ULIENT'S SAMPLE ID: Tank (UST) Date sample received: 10/10/96 #AES sample #: 961010AL01 Samples taken by: A. Truscello Location: Montgomery Cnty MATRIX: Liquid Waste composite continued: RESULT PARAMETER PERFORMED METHOD UNITS NOTERK REF TEST DATE Chromium-TCLP Extract 3.5 EPA-6010 mg/1PS-I-11-19 10/11/96 -Lead-TCLP Extract 3.5 EPA-6010 mg/1BS-I-11-19 10/11/96 Mercury-TCLP Extract EPA-7470 0.40 WC-PSI-24 10/11/96 mg/1BS-I-1T-19 10/11/96 #Belenium-TCLF Extract EPA-6010 <0.5 mg/1

<1

.5

mg/1

ug/g

EPA-6010

EPA-\$080

S BRAFT COPY ONLY

ES-I-1I-19 10/11/96

KT-PCE-T45 10/14/96

Date Sampled: 10/10/96 CLIENT: Clean Harbors, Inc. Date sample received: 10/10/96 CLIENT'S SAMPLE ID: Tank (UST) A. Truscello Samples taken by: Location: Hontgomery C: AES sample #: 961010ALD1 MATRIX: Oil composite continued: HETHOD RESULT UNITS NOTEBK REF TEST Q PARAMETER PERFORMED (1000 mg/l MT-BH-1 EPA-8270 10/11 1.4-Dichlorobenzene-TCLP Ext. 2.4-Dinitrotoluene-TCLP Ext. EPA-8270 (1000 **mg/l** MT-BH-1 10/11 Hexachlorobenzene-TCLP Extract EPA-8270 <1000 mg/1MT-BH-1 10/11 Hexachlorobutadiene-TCLP Ext. EPA-8270 <1000 mg/l HT-BH-1 10/11 Hexachloroethanm-TCLP Extract EPA-8270 <1000 mg/1 HT-BH-1 10/11 ₹5000 MT-BH-1 10/1. Pentachlorophenol-TCLP Extract EPA-8270 mg/l 2.4.5-Trichlorophenol-TCLP Ext EPA-8270 <1000 mg/1 MT-BH-1 10/1 (1000 EPA-8270 mg/l 2.4.6-Trichlorophonol-TCLP Ext MT-8H-1 10/1 Chlordane -TCLP Extract EP4-9080 (50 **b**0/1 TN-TG-843 10/1 EPA-8080 4 ag/l TH-TG-843 10/1 Endrin-TCLP Extract Heptachlor-TCLP Extract EPA-8080 ₹2 TN-TG-843 mg/l 10/1 Heptachlor Epoxide-TCLP Ext. 0808-A43 (2 ma/l TN-TG-843 10/1 Lindane-TULP Extract EPA-8080 ⟨2 mo/1 IN-TG-843 10/1 Methoxychlor-TCLP Extract EPA-0080 410 IN-TG-B43 10/1 mg/l Toxaphene-TCLP Extract (200 EPA-80B0 ma/1 TN-TG-B43 10/: TCLP Extract EPA-8150 **(10** TN-TG-843 10/ 2.4-D ag/l 10/ 2,4,5-TP (Silvex)-TELP Extract EPA-8150 13 mg/1TN-TG-B43 EPA-6010 10/: Arsenic-TCLP Extract (0.5 mg/1BS-T-1T-19 Barium-TCLP Extract EPA-6010 **(0.5** mg/1 BS-I-11-19 10/ EPA-6010 10/ Cadmium-TCLP Extract ₹0.25 mg/1 85-I-1**I-1**9

ENT BY: XEROX 3006;

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CLIENT: Clean Harbors, Inc. Date Sampled: 10/14/96

CLIENT'S SAMPLE ID: Soil Around Tank Date sample received: 10/15/96 AES sample #: 961015 WO1 Samples taken by: Chris West Location: Montgomery Cuty

MATRIX Soli composite

1	MATRIX: Soil	composite						
PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTERK REP	TEST DATE			
Flashpoint	ASTM D93-77	>200	۴Ē	MC-D-26	10/16/96			
Penzene	EPA 8020	<500	ug/kg	C-WE	10/16/95			
Toluene	EPA-8020	4300000	ug/k g	BK D	10/16/96			
Xylenes, Total	EPA-8020	190000	ug/kg	B¥-D	10/16/96			
Ethylbenzene	SPA-8020	42000	ug/kg	BW-1)	10/16/96			
Total Hydrocarbons	EPA-8020	6600000	ug/kg	BN-D	10/16/96			
TCLP Extraction (ZHE)	EPA-1311	Complete		AP-BI-4	10/15/96			
Benzene - WILP Extract	EPA-8240	<85	ug/l	AP-BI 4	10/16/96			
Carbon Tetrachloride-TCLP Ext.	EPA-8240	<85	ug/l	AP BI 4	10/16/96			
Chlorobenzene-TCLP Extract	EFA-8240	<85	ug/l	AP-BI-4	10/16/96			
Chloroform-TCLP Extract	EPA-8240	<85	ug/l	AP-BI-4	10/16/96			
1,2-Dichioroethane-WCLP Ext.	FPA-8240	<85	ug/1	AP-BI-4	10/15/96			
1,1-Dichloroethene-TCLP Ext.	EPA-8240	<85	ug/1	AP-BI-4	10/16/96			
Methyl Ethyl Ketone-TCLP Ext.	EPA-8240	<170	ug/l	AP-BI-4	10/16/96			
Tetrachlorethyleno-TCLP Ext.	EPA-8240	200	ug/1	AP-BI-4	10/16/96			
Trichloroethylene-TCLP Extract	EPA-8240	<85	ug/1	AP-BI-4	10/16/96			
Vinyl Chloride-TCLP Extraction	EPA-8240	<±70	ug/1	AP-BI-C	10/16/96			
TCLP Extraction	EPA-1311	Complete		PREP-A	10/15/96			
Nitrobenzene-TCLP Extract	52A-8270	<100	ug/ī	NT-BH-4	10/16/96			
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT BH-4	10/16/96			

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Barium-TCLP Extract

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CLIENT: Clean Harbors, Inc. Date Sampled: 10/14/96 CLIENT'S SAMPLE ID: Soil Around Tank Date sample received: 10/15/96 AES sample #: 961015 W01 Samples taken by: Chris West Location: Montgomery Crity MATRIX: Soll composite continued: PARAMETER PERFORMED METHOD RESULT UNITS NOTEBE REE TEST DATE Cresols (Total) TCLP Extract. EPA-8270 <100 ug/1MT-EH-4 10/16/96 1,4-Dichlorobenzene-TCLP Ext. ZPA-8270 <100 MT-TH-4 ug/l 10/16/96 2,4-Dinitrotoluene-TCLP Ext. EPA-8270 <100 ug/l MT BH-4 10/16/96 Hexachloropenzene-TCLP Extract EPA-8270 <100 ug/1M7-37-4 10/15/96 Hexachlorobutadiene-TCLP Ext. EPA-8270 <100 ug/1MT-IH-C 10/16/96 <100 Hexachloroethane-TCLP Extract EPA-9270 ug/1MT-BH-4 10/16/96 Pentachlorophenol-TCLP Extract EPA-8270 <50Ω ug/1 MT-BH-4 10/16/96 EPA-8270 <100 ug/I MT-2H-4 10/16/96 2,4,5-Trichlorophenol-TCLP Data <100 ug/l MT-BH-C 10/16/96 2,4,6-Trichlorophenol TCLP Ext EPA-8270 0808-ATE <0.005 mg/1KS-7G-744 10/16/96 Chlordane TCLP Extract Endrin-TCLP Extract 5PA-3080 <0.005 1/194 KS-TG-644 10/16/96 KS-TG-B44 10/16/96 Heptachlor-TCLP Extract 0808-A933 <0.005 ng/l EPA-8080 <0.005 1 \ [ain KS-TG-B44 10/16/96 Reptachlor Epoxide-TCLP Ext. <0.005 X5-TG-B44 10/15/96 Lindane-TCLP Extract EPA 3080 mq/1<0.05 KS-TG-B44 10/16/96 EPA-8080 mg/1Methoxychlor-TCLP Extract <0.05 KS-TG-B44 10/16/96 mg/1Toxaphene-TCLP Extract EPA~8080 <2 I\pm KS-TG-B44 10/16/96 TCLP Extract EPA-8:50 2,4-0 KS-TG-B44 10/16/96 2,4,5-TP (Silvex)-TCLP Extract **ZFA-8150** 40.2 mg/1 BS-I-1I-22 10/16/96 Arsenic-TCLP Extract EPA-6010 <C.5 ng/l

EPA-6010

0.43

mq/1

10/16/96

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*	CLIENT: Clean Harbors, Inc. CLIENT'S SAMPLE ID: Soil Arc ASS sample #: 961015 WO1	and Tank Samples taken by: MATRIX: Soil	Chris West Loca	d: 10/14/96 received: 10/15/96 ation: Montgomery Cuty posite
	Continued:	HETHOD	BESULT UNITS	NOTES RICE TEST DATE
_	Cadalum-TCLP Extract	EPA-6010	<0.01 mg/i	B8-I-11-22 10/16/96
	Chronium-TCLP Extract	E2A-6010	<0.05 mg/l	PS-I-11-22 10/16/96
•	Lead-TCLP Extract	EPA-6010	40.5 mg/1	BS-1-11-22 10/16/96
-		ZPA-7470	<0.02 mg/1	TM-PSI-26 10/16/96
	Mercury-TCLP Extract	EPA-6010	<0.1 mg/l	HS-1-11-22 10/16/96
	Selenium-TCLP Extract Stiver-TRIP Extraction	EPA-6010	<0.02 mg/l	B8-I-1I-22 10/16/96
-	MI) THE LANGE THE PROPERTY OF THE PARTY OF			

DRAFTCOPYONLY

APPROVED BY: Report date: 10/16/96

New York State Department of Environmental Conservation REGION 4

1150 North Westcott Road, Schenectady, New York 12306 Telephone: (518) 357-2045

Facsimile: (518) 357-2398



Michael D. Zagata Commissioner

CERTIFIED - RETURN RECEIPT REQUESTED Z 191 716 379

August 29, 1996

Montgomery County Department of Public Works ATTN: Paul Clayburn, Deputy Commissioner Of Public Works Park Street - P.O. Box 1500 Fonda, NY 12068-1500

> Re: STIP #R4-097 Spill #96-06805

Dear Mr. Clayburn:

The purpose of this letter is to obtain your commitment to cleanup and remove the discharge of petroleum which occurred at Yost. New York. As a result of an investigation undertaken by this Department, we believe that you are responsible for this discharge.

In an effort to bring about the timely and appropriate cleanup of this discharge, we have enclosed a Stipulation agreement for your signature. This agreement delineates the work that needs to be done and a schedule for such work. This agreement also includes the required discharge or emission levels that would normally be required for this type of activity. If this agreement is signed, separate permits will not be required. This allows the remediation to start promptly without delays that may be caused by having to obtain Department permits.

By signing the Stipulation agreement, you are not admitting that you caused the discharge or admitting liability for this discharge under Article 12 of the Navigation Law. The sole purpose of the Stipulation is to effectuate the remediation of this discharge in an expeditious fashion. If you choose not to sign this agreement, the Department will hire a contractor to perform the required remediation. This will result in your being billed for the actual costs incurred by the State for this activity.

This agreement will not affect your right to pursue any claims you may have against other parties as a result of this discharge. Additionally, in the event that you are not a responsible party under Article 12 of the Navigation Law, this agreement will not prevent you from filing a claim against the New York Environmental Protection and Spill Compensation Fund.

You should be advised that your agreement to cleanup this discharge does not affect the Department's right to pursue any claims that the Department may have against you for penalties based on violations of the Navigation Law or the Environmental Conservation Law arising out of this discharge of petroleum. However, by signing this agreement, you have not waived any defenses you may have to any such claims.

If you choose to perform the remediation of this discharge, please sign the attached Stipulation and return it, along with the Corrective Action Plan and the Appendices, to the undersigned.

Sincerely,

Allan N. Geisendorfer, P.E.

Regional Spill Engineer

Region 4

Division of Spills Management

ANG/gjb-FL097

cc: R. Ostrov, Regional Attorney

CORRECTIVE ACTION PLAN STIP #R4-097 Spill #96-06805

- 1. The Respondent will treat all water discharged through the groundwater treatment system (schematic diagram accompanies this stipulation). One sample of the discharge will be analyzed via EPA Method 503.1 and TPH for the first eight (8) hours of operation, and every sixteen (16) hours of operation thereafter. Results will be submitted to the Department.
- 2. The Respondent shall maintain and operate the approved groundwater treatment system until the need for groundwater depression ends.
- 3. Respondent will conduct an Environmental Assessment of the property. The assessment shall account for prior uses of the property, and shall be of sufficient indepth analysis to determine whether further remediation is required. The report will be submitted by October 18, 1996.
- 4. To the extent that any measures undertaken pursuant to the Corrective Action Plan requires treatment and discharge of waste waters to groundwaters or surface waters of New York State, or operation of an air point source, Respondent shall be authorized to undertake such treatment and discharge in accordance with the general conditions attached as Appendix A, and the applicable standards contained in Appendix B, notwithstanding any otherwise applicable requirements.
- 5. No discharge as part of remediation of this portion of the facility shall exceed the air and water effluent limits listed in Appendix B.

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FL097

STIPULATION #STIP R4-097 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STIPULATION PURSUANT TO SECTION 17-0303 OF THE ENVIRONMENTAL CONSERVATION LAW AND SECTION 176 OF THE NAVIGATION LAW BY:
Montgomery Co. DPW, Respondent Spill No. 96-06805

- 1. The Department of Environmental Conservation is the agency responsible for the cleanup and removal of discharges of petroleum pursuant to Article 12 of the Navigation Law and Article 17 of the Environmental Conservation Law.
- 2. Respondent has agreed to investigate, clean up and remove the discharge of petroleum which was discovered on August 28, 1996 at the Hansen Fire Training Center, Yost, New York, by taking the steps according to the conditions set forth in the Corrective Action Plan attached to this Stipulation.
- 3. This Stipulation does not affect the Department's right to pursue any claims that the Department may have against Respondent, including but not limited to, claims for alleged violations of the Navigation Law or the Environmental Conservation Law. This Stipulation does not affect any defenses that Respondent may have to any such claims.
- 4. Respondent, without admitting liability, consents to the issuance of this Stipulation, waives the right to notice and hearing with respect to the issuance and entry of this Stipulation as provided by law, and agrees to be bound by the terms of this Stipulation, including any attachments thereto and any plans developed hereunder.
- 5. This Stipulation is equivalent to an order pursuant to ECL §17-0303 and a directive pursuant to NL §176 and is enforceable as such.
- 6. This Stipulation may be modified in writing as may be agreed between the parties. The Corrective Action Plan may be modified by the Department in the same manner as a Department permit.
- 7. The effective date of this Stipulation is the date it is signed by the Department.

Date	 Respondent's signature*
	Respondent's Title (if corporation) and affiliation
Date	Regional Director, Region 4

* NOTE: If Stipulation is with a corporation, the respondent must be an official, authorized corporate representative. FLSTIP2/gjb

Attachments:

Corrective Action Plan Appendix A Appendix B

APPENDEX A

General Conditions Applicable to All Wastewater Discharges

- 1. Advance notice shall be given to the Department of any planned changes in the treatment facility or activity which may result in noncompliance with effluent limitations.
- 2. Any noncompliance which may endanger health or the environment must be reported orally within 24 hours from the time Respondent becomes aware of the circumstances. A written report shall also be provided within 5 days. The written report shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if it has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent the noncompliance and its recurrence.
- 3. Bypasses which do not cause a violation of effluent limitations are allowable, but only of essential maintenance, repairs or replacement to assure efficient and proper operation. The Department must be given 5 days advance written notice of any anticipated bypass. The Department shall be notified within 24 hours of any unanticipated bypass.

Bypass is prohibited, and the Department may take enforcement action, unless:

- the bypass was unavoidable to prevent loss of life, personal injury, public health hazard, or severe property damage;
- there were no feasible alternatives to the bypass such as the use of auxiliary treatment facilities or retention of untreated wastes; and
- required notices were submitted to the Department and, with the exception of emergency conditions, were accepted by the Department.
- "Bypass" means the intentional or unintentional diversion of wastewater around any portion of a treatment facility for the purpose or effect of reducing the degree of treatment intended to be provided by the bypassed treatment facility.
- "Severe property damage" means substantial damage to property, damage to treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which would not reasonably be expected to occur in the absence of a bypass.

APPENDIX B

1U: 582787 12

I. Water Discharges

A. Water discharges shall meet the following standards.

	GASOLINE GW EFFLUENT STANDARD	GASOLINE SW EFFLUENT STANDARD	SAMPLING FREQUENCY
pH RANGE	6.5 - 8.5	6.5 - 8.5	Monthly
Benzene	0.7 ug/l	5.0 ug/l	15
Ethylbenzene	5.0 ug/l	5.0 ug/l	iT
Toluene	5.0 ug/l	5.0 ug/l	19
o-Xylene	5.0 ug/l	5.0 ug/l	O
m-Xylene	5.0 ug/l	5.0 ug/l	n
p-Xylene	5.0 ug/l	5.0 ug/l	π
	5.0 ug/l	5.0 ug/l	π
Mixed Xylenes		- -	п
Napthalene	10.0 ug/l	10.0 ug/l	r †
MTBE	50.0 ug/l	50.0 ug/l	••

	FUEL CIL	FUEL OIL	
,	GW EFFLUENT	SW EFFLUENT	SAMPLING
	STANDARD	STANDARD	FREQUENCY
·	+		
pH Range	6.5 - 3.5		Monthly
Benzene	0.7 ug/l	5.0 ug/l	?I .
Ethylbenzene	5.0 ug/l	5.0 ug/l	11
Toluene	5.0 ug/l	5.0 ug/l	
o-Xylene	5.0 ug/l	5.0 ug/L	18
m-Xylene	5.0 ug/l	5.0 ug/l	17
p-Xylene	5.0 ug/l	5.0 ug/l	11
Mixed Xylenes	5.0 ug/l	3.0 ug/l	11
Napthalene	10.0 ug/l	10.0 ug/l	19
	5.0 ug/l		11
n-Butyl benzene			If
	50.0 ug/l		11
t-Butyl benzene	50.0 ug/l	N/A	11
Anthracene	50.0 ug/l		11
Dibenz(a,h)anthracene	2 50.0 ug/1	N/A	ıŧ
Flourene	50.0 ug/l	N/A	19
	50.0 ug/1	N/A	И
	50.0 ug/l	N/A	11
	20.0 ug/l	N/A	11
Benzo(a)anthracene	20.0 ug/1	N/A	17
Benzo(b) fluoranthene	20.0 ug/l	N/A	11
Chrysene	20.0 ug/l	N/A	, II
	20.0 ug/l	N/A	. 11
Benzo(g,h,i)perylene	20.0 ug/l	N/A	
Ideno pyrene	20.0 ug/l	N/A	"
Benzo(k) fluranthene	20.0 ug/l	N/A	11
. ,			

Soil Vapor Extraction System (SVES) Benzene Emission Limits

Stack Height (feet)	Air Flow (cfm)	Maximum Benzene Emissions (ppm-v)	Maximum Benzene Emissions (ug/m²)	Maximum Benzene Emissions (lbs/hr)
	50	3.00	28360	0.00494
15	:00	4.00	13180	0.00494
	150	2.56	5797	0.00494
	200	2.00	5590	0.00494
·	z ś 0	1.50	5272	0.00494
·	60	14.88	45069	0.00919
20	130	7. <u>44</u>	24535	0.00919
	:50	4.96	16368	0.00919
	100	3.72	12257	0.00919
	250	2.98	9814	0.00919
	50	24.10	73458	0.01488
25	:00	12,05	39729	0.01488
	150	3.03	25456	0.01488
	320	5.02	19884	0.01488
	150	4.32	15892	0.01488
	30	35.72	117305	0.02209
30	:00	:7.36	\$8903	0.02205
	150	11.91	39259	0.02208
	200	3.93	29452	0.02205
a principal de la companya de la com	250	7.14	23661	0.02205

Air Stripper Benzene Emission Limits

Stack Height (feet)	Water Flowrate (gal/min)	Maximum Benzene influent (mg/l or ppm)
	10	0.96875
	25	0.375
15	60	0.15625
	100	0.0625
	150	0.06 25
	10	1.3125
	. 25	0.71875
20.	50	0.28125
	100	0.1875
	150	0.125
	10	2.84375
	25	1.125
25	60	0.53125
	100	0.28125
	150	0.1875
·	10	4.3125
	25	1.5875
20	60	0.71875
	100	0.5
	150	0.28125

APPENDIX I

F. A. DENTE ENGINEERING, P.C.

GEOTECHNICAL & CONSTRUCTION MATERIALS CONSULTING

☐ 57 Sherwood Trail Saratoga Springs, New York 12866 Phone: 518-587-2295 Fax: 518-587-2399
☐ 65 Oliver Street Cohoes, New York 12047 Phone: 518-238-2915 Fax: 518-238-2614

Mr. Brad Grant
J. K. Fraser & Associates
22 High Street
Rensselaer, New York 12144

Re: GeoEnvironmental Investigation

Fire Training Center New York Route 5 Mohawk, New York File No. FDE-96-131

Gentlemen:

Pursuant to your authorization, we have completed the requested site investigation and laboratory analysis at the Richard L. Hansen, Inc. Fire Training Center situated adjacent to and north of New York Route 5 in the Town of Mohawk, New York. Following is a summary of the site activities conducted on October 7, 1996 and the laboratory analysis of selected samples collected on that date.

SITE ACTIVITIES OF OCTOBER 7, 1996

The general scope of our services included performing fifteen (15) Geoprobe Investigations, collecting 29 soil samples for screening using a portable Photoionization Analyzer, collecting four (4) soil samples for possible laboratory analysis and preparing this summary report of the findings.

The locations of twelve (12) Geoprobe Investigations were selected and staked in the field by Mr. Brad Grant of J. K. Fraser & Associates. Three (3) additional Geoprobe locations were staked in the field by Fred A. Dente, P.E. in the vicinity of a solvent storage

vessel buried at the northeast limits of the site. Mr. Paul Clayburn, Deputy Commissioner of Public Works, visited the site several times during the investigation to assess the progress. The Geoprobe locations were depicted upon a Site Utility Plan provided to us by J. K. Fraser & Associates with a number system assigned. Additional probes were numbered sequentially and their locations tape measured relative to the solvent storage vessel accessory/manhole and provided to J. K. Fraser & Associates for preparation of a map.

The Geoprobe unit utilized was mounted on a 4 x 4 vehicle and employed a Macro Core Open Sampler about 2" in diameter and 44" long. A clear acetate liner was used for each sample and the sampler was decontaminated after each probe was completed. Each of the sample liners was split open and the soils visually examined and classified using a modified Buhrmaster method. Sheets explaining the classification system are enclosed. The samples were then screened using a Model P1 101 Portable Photoionization Analyzer (PID) manufactured by HNU Systems, Inc. of Newton, Massachusetts with a standard 10.2 eV lamp. Representative samples were placed in new zip lock plastic bags, sealed and allowed to reach room temperature for a second subsequent screening with the PID.

The results of the classification and PID screening are presented on the attached "Summary of Geoprobe Investigation" sheets. The PID results represent the greater of the field screen or the subsequent screen of the collected samples once brought to room temperature.

Four (4) overburden soil samples were collected at the site during the Geoprobe Investigation. The samples were collected for subsequent laboratory analysis as directed by Mr. Brad Grant of J. K. Fraser & Associates on October 11, 1996. The following tabulation summarizes the sample location, depth and analysis performed.

GEOPROBE LOCATION	DEPTH (FEET)	ANALYSIS PERFORMED
P-2	5-8' ±	STARS 8021 & 8270
P-6	7'±	TCLP 8021 & 8270
P-7	7' ±	TCLP 8021 & 8270
P-12	5-8' ±	None - Sample Hold

The samples were collected in the field and placed in prepared containers, stored in a chilled cooler and delivered to Upstate Laboratories, Inc. personnel on October 8, 1996. The results of the laboratory analysis requested are attached.

This letter summarizes our scope of services performed for this project as requested by J. K. Fraser & Associates. We appreciate the opportunity to be of service. Should questions arise or if we may be of any other assistance, please contact us at your convenience.

Yours Truly,

F. A. Dente Engineering, P.C.

Fred A. Dente, P.E.

President

Enclosure: Summary of Geoprobe Investigation

Analysis Results - Upstate Laboratories, Inc.

Key to Subsurface Logs

F. A. DENTE ENGINEERING, P.C. GEOTECHNICAL & CONSTRUCTION MATERIALS CONSULTING

☐ 57 Sherwood Trail	Saratoga Springs, New York 12866	Phone: 518-587-2295	Fax: 518-587-2399
☐ 65 Oliver Street	Cohoes, New York 12047	Phone: 518-238-2915	Fax: 518-238-2614

SUMMARY OF GEOPROBE INVESTIGATION FIRE TRAINING CENTER MOHAWK, NEW YORK **FILE NO. FDE-96-131**

PROBE NO.	STRATUM THICKNESS	STRATUM MATERIAL	PID
P-1	0-4' ±	FILL: Brown F-C SAND, some Gravel, little Silt (Moist to Wet)	3 PPM ±
	4-8' ±	Gray F-M SAND, little Silt with Silt Seams (Saturated)	7-10 PPM <u>+</u>
P-2	0-3' ±	FILL: Brown F-C SAND & GRAVEL, some Silt (Moist to Wet)	10-40 PPM ±
	3-6' ±	Gray F-M SAND, little Silt with occasional Silt Seams (Saturated)	100 PPM ±
P-3	0-3' ±	FILL: Brown F-C SAND & GRAVEL, little Masonry, Concrete & Asphalt Debris, little Silt (Moist to Wet)	100 PPM ±
	3-4' ±	Gray F-M SAND, little Silt (Saturated)	150 PPM ±
P-4	. 0-3' ±	FILL: Brown F-C SAND & GRAVEL, some Silt to Brown Fine Sand, some Silt (Moist to Wet)	10 PPM ±
	3-8' ±	Gray interlayered SILT & CLAY with numerous Fine Sand Seams	10 PPM ±
P-5	0-2' ±	FILL: Brown F-C SAND, some Gravel & Silt (Moist)	7 PPM ±
	2-4' ±	Brown SILT & CLAY, little F-M SAND (Moist)	10 PPM ±

	1		
P-6	0-7' ±	FILL: Brown F-C SAND, some Gravel, little Silt (Moist to Wet)	10 PPM ±
	7-8' ±	Gray SILT & CLAY, little Fine Sand (Saturated)	7 PPM ±
P-7	0-2' ±	Brown F-C SAND, little Silt, trace Gravel (Moist)	5 PPM ±
	2-8' ±	Brown to Gray Fine SAND, some Silt with occasional Coarse Sand Seams and Silt Partings (Moist to Saturated at \pm 7')	7 PPM ±
P-8	0-3' ±	FILL: Brown F-C SAND, some Gravel, little Silt (Moist to Wet)	7 PPM ±
	3-8' ±	Brown to Gray Fine SAND, some Silt with occasional Clayey Silt Seams (Moist to Saturated at \pm 6')	5 PPM ±
P-9	0-3' ±	FILL: Brown F-C SAND & GRAVEL, little Silt (Moist)	3 PPM ±
	3-8' ±	Brown to Gray Fine SAND, some Silt with numerous Gray Silty Clay Seams (Moist to Saturated)	5 PPM ±
P-10	0-2' ±	Brown F-C SAND, some Gravel, little Silt (Moist)	5 PPM ±
	2-5' ±	Brown to Gray F-M SAND, little Silt (Moist to Saturated)	3 PPM ±
and the second	5-8'. ±	Gray SILTY CLAY, trace Fine Sand in Partings (Saturated)	3 PPM ±
P-11	0-2' ±	Brown SILTY CLAY with occasional Roots (Moist)	2 PPM ±
	2-4' ±	Brown Fine SAND, little Silt (Moist to Saturated)	3 PPM ±
P-12	0-2' ±	Brown SILTY CLAY with occasional Roots (Moist to Dry)	50 PPM ±

	2-6' ±	Brown Fine SAND, little Silt (Moist to Wet)	400 PPM ±
	6-7' ±	Gray SILTY CLAY with Fine Sand Seams (Wet to Saturated)	50 PPM ±
	7-8' ±	Gray Fine SAND & SILT (Saturated)	150 PPM ±
P-13	0-1' ±	FILL: Brown Fine SAND, some Silt & Gravel (Moist)	1 PPM ±
	1-5' ±	Brown Fine SAND, little Silt (Moist)	4 PPM ±
	5-8' ±	Gray Fine SAND, some Silt (Saturated)	10 PPM ±
P-14	0-5' ±	Brown to Gray Fine SAND, some Silt (Moist to Saturated)	1 PPM ±
	5-7' ±	Gray SILTY CLAY with occasional Fine Sand Seams (Saturated)	1 PPM ±
	7-8' ±	Gray F-M SAND, trace Silt (Saturated)	1 PPM ±
P-15	0-1' ±	Brown Fine SAND, little Silt (Moist to Dry)	1 PPM ±
	1-2' ±	Brown SILT & CLAY (Moist)	2 PPM ±
property of the second	2-6' ±	Brown To Gray Fine SAND, some Silt (Moist to Saturated)	8 PPM ±
	6-8' ±	Gray SILTY CLAY with occasional Fine Sand Seams (Saturated)	4 PPM ±

INTERPRETATION OF SUBSURFACE LOGS

The Subsurface Logs present observations and the results of tests performed in the field by the Driller, Technicians, Geologists and Geotechnical Engineers as noted. Soil/Rock Classifications are made visually, unless otherwise noted, on a portion of the materials recovered through the sampling process and may not necessarily be representative of the materials between sampling intervals or locations.

The following defines some of the terms utilized in the preparation of the Subsurface Logs.

SOIL CLASSIFICATIONS

Soil Classifications are visual descriptions on the basis of the Unified Soil Classification ASTM D-2487 and USBR, 1973 with additional comments by weight of constituents by BUHRMASTER. The soil density or consistency is based on the penetration resistance determined by ASTM METHOD D1586. Soil Moisture of the recovered materials is described as DRY, MOIST, WET or SATURATED.

SIZE DES	CRIPTION	RELATIVE DENSITY/CONSISTENCY (basis ASTM D1586)							
SOIL TYPE	PARTICLE SIZE	GRANUL	AR SOIL	COHEST	VE SOIL				
BOULDER	> 12	DENSITY	BLOWS/FT	CONSISTENCY	BLOWS/FT.				
COBBLE	3" - 12"	LOOSE	< 10	VERY SOFT	<_3_				
GRAVEL-COARSE	3" - 3/4"	FIRM	11 - 30	SOFT	4 - 5				
GRAVEL - FINE	3/4" - #4	СОМРАСТ	31 - 50	MEDIUM	6 - 15				
SAND - COARSE	#4 - #10	VERY COMPACT	50 +	STIFF	16 - 25				
SAND - MEDIUM	#10 - #40			HARD	25 +				
SAND - FINE	#40 - #200								
SILT/NONPLASTIC	< #200								
CLAY/PLASTIC	< #200								

SOIL S	STRUCTURE	RELATIVE PROPO	ORTION OF SOIL TYPES
STRUCTURE	DESCRIPTION	DESCRIPTION	% OF SAMPLE BY WEIGHT
LAYER	6" THICK OR GREATER	AND	35 - 50
SEAM	6" THICK OR LESS	SOME	20 - 35
PARTING	LESS THAN 1/4" THICK	LITTLE	10 - 20
VARVED	UNIFORM HORIZONTAL	TRACE	LESS THAN 10
	PARTINGS OR SEAMS		

Note that the classification of soils or soil like materials is subject to the limitations imposed by the size of the sampler, the size of the sample and its degree of disturbance and moisture.

ROCK CLASSIFICATIONS

Rock Classifications are visual descriptions on the basis of the Driller's, Technician's, Geologist's or Geotechnical Engineer's observations of the coring activity and the recovered samples applying the following classifications.

CLASSIFICATION TERM	DESCRIPTION
VERY HARD	NOT SCRATCHED BY KNIFE
HARD	SCRATCHED WITH DIFFICULTY
MEDIUM HARD	SCRATCHED EASILY
SOFT	SCRATCHED WITH FINGERNAIL
VERY WEATHERED	DISINTEGRATED WITH NUMEROUS SOIL SEAM
WEATHERED	SLIGHT DISINTEGRATION, STAINING, NO SEAMS
sound	NO EVIDENCE OF ABOVE
MASSIVE	ROCK LAYER GREATER THAN 36" THICK
THICK BEDDED	ROCK LAYER 12" - 36"
BEDDED	ROCK LAYER 4" - 12"
THIN BEDDED	ROCK LAYER 1" - 4"
LAMINATED	ROCK LAYER LESS THAN 1"
FRACTURES	NATURAL BREAKS AT SOME ANGLE TO BEDS

Core sample recovery is expressed as percent recovered of total sampled. The ROCK QUALITY DESIGNATION (RQD) is the total length of core sample pieces exceeding 4" length divided by the total core sample length for N size cored.

GENERAL

- Soil and Rock classifications are made visually on samples recovered. The presence of Gravel, Cobbles and Boulders will influence sample recovery classification density/consistency determination.
- Groundwater, if encountered, was measured and its depth recorded at the time and under the conditions as noted.
- Topsoil or pavements, if present, were measured and recorded at the time and under the conditions as noted.
- Stratification Lines are approximate boundaries between soil types. These transitions may be gradual or distinct and are approximated.

DATE: / /

Upstate Laboratories, Inc. Analysis Results Report Number: 28596137 Client I.D.: EVERGREEN TESTING & ENV. SVCS. Sampled by: Client ID:28596137 Mat:Soil MONT-CO P-2 @ 5'-8' 1015H 10/07/96 G RESULTS DATE ANAL. KEY FILE# PARAMETERS -----------78% 10/11/96 WB4788 Percent Solids Petroleum, EPA Method 8021 -------10/15/96 Benzene <5400ug/kg dw VA2491 Rthylbenzene 30,000ug/kg dw 10/15/96 VA2491 <5400ug/kg dw 10/15/96 01 VA2491 Toluene m-Xylene and p-Xylene 55,000ug/kg dw 10/15/96 VA2491 10/15/96 01 VA2491 o-Xylene <5400ug/kg dw VA2491 10/15/96 Isopropylbenzene <5400ug/kg dw 01 18,000ug/kg dw VA2491 n-Propylbensene 10/15/96 <5400ug/kg dw 10/15/96 VA2491 p-Isopropyltoluene VA2491 1,2,4-Trimethylbenzene 76,000ug/kg dw 10/15/96 29,000ug/kg dw 10/15/96 VA2491 1,3,5-Trimethylbenzene 23,000ug/kg dw 10/15/96 VA2491 n-Butylbenzene sec-Butylbenzene <5400ug/kg dw 10/15/96 01 VA2491 <5400ug/kg dw 10/15/96 VA2491 t-Butylbenzens 01 20,000ug/kg dw VA2491 Naphthalene 10/15/96 MTBR 10/15/96 01 VA2491 <110,000ug/kg d Petroleum, EPA Method 8270 3100ug/kg dw 10/16/96 SA1033 Anthracene Fluorene 2300ug/kg dw 10/16/96 SA1033 Phenanthrene 2900ug/kg dw 10/16/96 SA1033 **SA1033** Pyrene <640ug/kg dw 10/16/96 01 Acenaphthene 770ug/kg dw 10/16/96 **SA1033** Benzo (a) anthracene <640ug/kg dw 10/16/96 01 SA1033 Fluoranthene 10/16/96 <640ug/kg dw 01 **EE0143** Benzo (b) fluoranthene <640ug/kg dw 10/16/96 01 SA1033 Benzo(k) fluoranthene <640ug/kg dw 10/16/96 01 SA1033 Chrysene <640ug/kg dw 10/16/96 01 **SA1033** Benzo (a) pyrene <640ug/kg dw 10/16/96 01 SA1033 Benzo(g,h,i)perylene <640ug/kg dw 10/16/96 01 SA1033 Indeno(1,2,3-cd)pyrene <640ug/kg dw 10/16/96 01 **8A1033** <640ug/kg dw Dibenzo (a, h) anthracens 10/16/96 01 SA1033 P-6 @ 7' 1130H 10/07/96 G ID:28596138 Mat:Soil MONT-CO PARAMETERS RESULTS DATE ANAL. KEY FILE# TCLP Petroleum, EPA Method 8021 TCLP Benzene <1ug/l 10/15/96 VA2491

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.

Analysis Results

Report Number: 28596137

Client I.D.: EVERGREEN TESTING & ENV. SVCS.

UPSTATE LABORATORIES INC

APPROVAL: Sampled by: Client

	PA	Rameters	RESULTS	DATE ANAL.	KEY	FILE
	TCLP	Ethylbenzene	<1ug/1	10/15/96		VA249
	TCLP	Toluene	<lug l<="" td=""><td>10/15/96</td><td></td><td>VA249</td></lug>	10/15/96		VA249
	TCLP	m-Xylene and p-Xylene	l ug/l	10/15/96		VA245
	TCLP	o-Tylene	1ug/1	10/15/96		VA24:
	TCLP	Isopropylbenzene	<lug l<="" td=""><td>10/15/96</td><td></td><td>VA24:</td></lug>	10/15/96		VA24:
	TCLP	n-Propylbenzene	<lug 1<="" td=""><td>10/15/96</td><td></td><td>VA24:</td></lug>	10/15/96		VA24 :
	TCLP	p-Isopropyltoluene	<1ug/l	10/15/96		VA24:
	TCLP	1,2,4-Trimethylbenzene	1ug/1	10/15/96		VA24:
	TCLP	1,3,5-Trimethylbenzene	5ug/l	10/15/96		VA24:
	TCLP	n-Butylbenzene	9ug/1	10/15/96		VA24:
	TCLP	sec-Butylbenzene	<lug 1<="" td=""><td>10/15/96</td><td></td><td>VA24.</td></lug>	10/15/96		VA24.
	TCLP	t-Butylbenzene	<1ug/1	10/15/96		VA24:
	TCLP	Naphthalene	lug/l	10/15/96		VA24:
•	TCLP	MIBE	<20ug/1	10/15/96		VA24
	TCLP	Petroleum, BPA Method 8270				
	TCLP	Anthracens	<5ug/l	10/15/96		5A10
	TCLP	Pluorene	<5ug/1	10/15/96		SA10
	TCLP	Phenanthrene	<5ug/1	10/15/96		SA10
	TCLP	Pyrene	<5ug/1	10/15/96		SA10:
	TCLP	Acenaphthene	<5ug/1	10/15/96		SALO
	TCLP	Benzo (a) anthracene	<5ug/1	10/15/96		SA10
	TCLP	Fluoranthene	<5ug/1	10/15/96		SA10
	TCLP	Benzo (b) fluoranthene	<5ug/1	10/15/96		SA10
	TCLP	Benzo (k) fluoranthene	<5ug/1	10/15/96		SA10
	TCLP	Chrysene	<5ug/1	10/15/96		SA10
	TCLP	Benzo (a) pyrene	<5ug/1	10/15/96		5A10:
	TCLP	Benzo(g,h,i)perylene	<5ug/1	10/15/96		SA10
	TCLP	Indeno(1,2,3-cd)pyrene	<5ug/1	10/15/96		SA10
	TCLP	Dibenzo(a,h) anthracens	<5ug/l	10/15/96		SALO
D i 2	8596139	Matisoil MONT-CO	P-12 e 57-8' 1230H	10/07/95 G - 1		-
	Parameters		results	DATE ANAL.	KEY	FILE
		On Hold		/ /		

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc. Analysis Results Report Number: 28596137 Client I.D.: EVERGREEN TESTING & ENV. SVCs.

Lab I.D.: 10170 Sampled by: Client

ID:28596140 Mat:5011 NONT-CO P-7 9 7' 1200H 10/07/96 G

	PA	rameters	RESULTS	DATE ANAL.	KEY	A1l'e
	•••	***				•••••
	TCLP 1	Petroleum, EPA Method 8021				
		+ + + + + + + + + + + + + + + + + + + 				
	TCLP	Benzene	<1ug/1	10/14/96		VA2491
	TCLP	Ethylbenzene	<1ug/l	10/14/96		VA2491
	TCLP	Toluene	<1ug/1	10/14/96		VA2491
	TCLP	m-Xylene and p-Xylene	<1ug/l	10/14/96		VA2491
	TCLP	o-Xylene	<lug l<="" td=""><td>10/14/96</td><td></td><td>VA2491</td></lug>	10/14/96		VA2491
	TCLP	Isopropylbenzene	<1ug/1	10/14/96		VA2491
	TCLP	n-Propylbenzene	<1ug/l	10/14/96		VA2491
	TCLP	p-Isopropyltoluene	<lug l<="" td=""><td>10/14/96</td><td></td><td>VA2491</td></lug>	10/14/96		VA2491
	TCLP	1,2,4-Trimethylbenzene	<1ug/l	10/14/95		VA2491
	TCLP	1,3,5-Trimethylbenzene	<1ug/1	10/14/96		VA2491
	TCLP	n-Butylbensene	<1ug/1	10/14/96		VA2491
	TCLP	sec-Butylbenzene	<lug l<="" td=""><td>10/14/96</td><td></td><td>VA2491</td></lug>	10/14/96		VA2491
	TCLP	t-Butylbenzene	<1ug/1	10/14/96		VA2491
	TCLP	Naphthalene	<lug 1<="" td=""><td>10/14/96</td><td></td><td>VA2491</td></lug>	10/14/96		VA2491
	TCLP	MTBE	<20ug/1	10/14/96		VA2491
	TCLP 1	Petroleum, EPA Method 8270				
	TCLP	Anthracene	<5ug/l	10/15/96		SA1032
	TCLP	Fluorene	<5ug/l	10/15/96		SA1032
_	TCLP	Phenanthrene	<5ug/1	10/15/96		5A1032
	TCLP	Pyrene	<5ug/1	10/15/96		SA1032
	TCLP	Acenaphthene	<5ug/1	10/15/96		SA1032
	TCLP	Benzo (a) anthracene	<5ug/l	10/15/96		SA1032
	TCLP	Fluoranthene	<5ug/1	10/15/96		SA1032
	TCLP	Benzo (b) fluoranthene	<5ug/1	10/15/96		SA1032
	TCLP	Benzo(k) fluoranthene	<5ug/1	10/15/96		5A1032
-	TCLP	Chrysene	<5ug/1	10/15/96		8A1032
_	TCLP	Benzo(a)pyrene	<5ug/1	10/15/96		SA1032
	TCLP	Benzo (g, h, i) perylene	<5ug/1	10/15/96		SA1032
	TCLP	Indeno(1,2,3-cd)pyrene	<5ug/1	10/15/96		8A1032
	TCLP	Dibenzo (a, h) anthracene	<5ug/1	10/15/96		SA1032

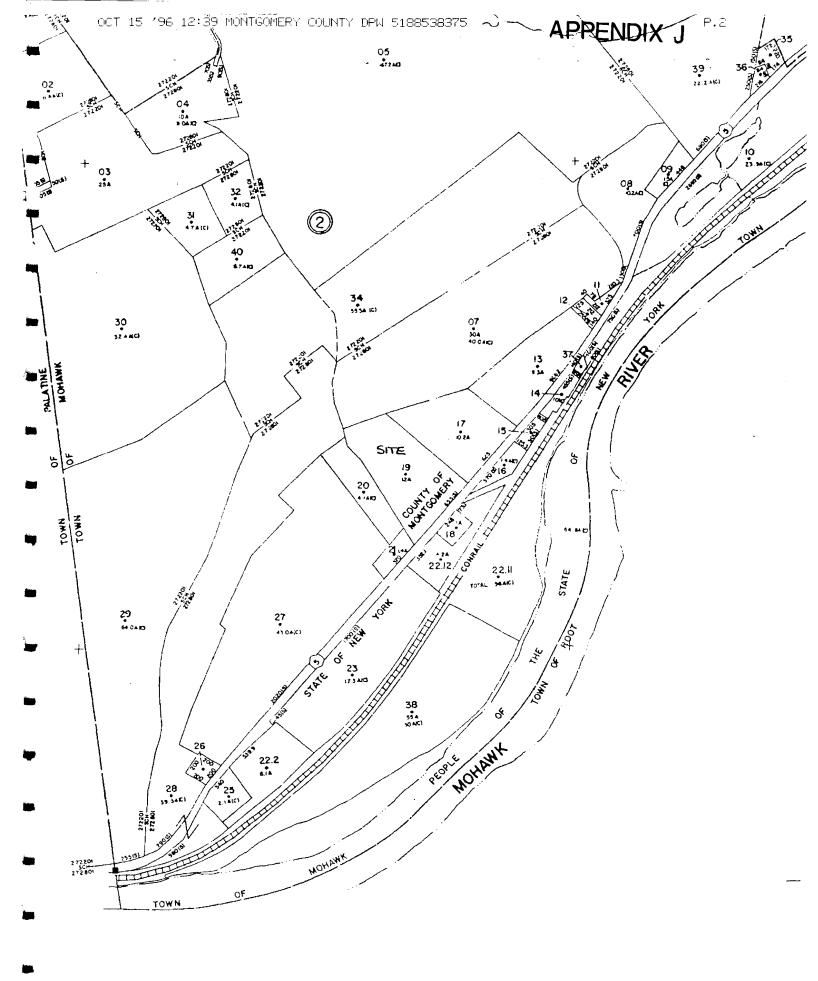
dw = Dry weight

Up all Lat ratt lest Indi

3034 Corporate Drive • E. Syracuse, NY 13057-1017 315) 437 0255 Fax 437 1209

Chain Of Custody Record

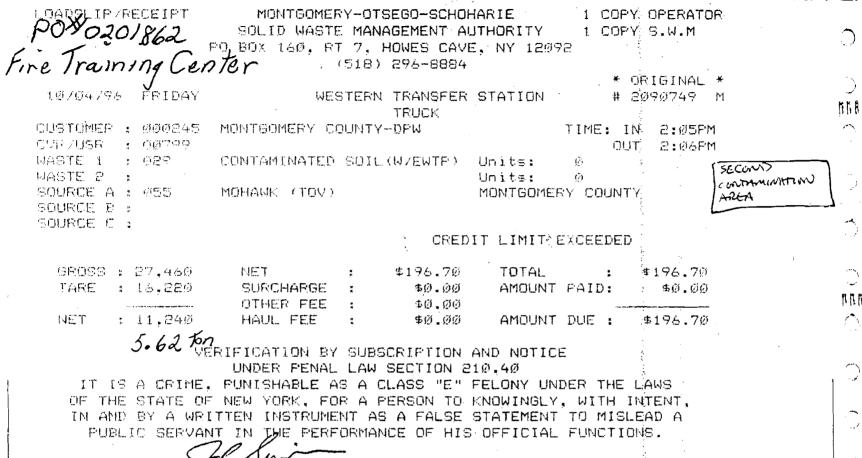
lient: Client Project # / Project Name			No.											Special Turnaround				
MoNT. — Co. Phone # Site Location (city/state)					of											Time		
Dient Contact:	Phone #	Site Location (city/state)			Con-											(Lab Notification		
-1/0 Dente	30-4 111	te te			1. N.Y.		tain-											required)
Sample Location:	Date	Time	Matrix	Grab or	ULI Inten	nal Use Only	ers											Domestra
				Comp.	:			1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Remarks
P. 2 C 5: P.	10-7-96	19:12	Sill	5000			2	> :	*									
P.1. 6 7' ±	4.1	11:30	¥ +	X (a	X	×	_							:	
2120512	1.5	12:50		1 .			2	ж	×									
9.7 @ m	11	13:00	٠.	1,		·	2	۸	×									
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oarameter and method			sample bottle:	type	size	pres.	Samr	l oled t	l ov: (P	lease	Prin	l					LHI	Internal Use Only
1) P- Stars	2021		<u> </u>	CLESS	4/	Nour.	Delivery (check one)											
							Comp	any:	:									Pickup Dropoff
2) P- STARS 8	\$270			GLESS	16,7	Nows	D-1-1 F-5-1-1 CC					<u> </u>						
3) 7-							Relin	quist	ned b	y: (Si	gnatu	ıre)	Date	,	Time	•	Rec	eived by: (Signature)
1)									. 1	. **	Λ		10/2	/_	11.0	()	L	All
							Relinquished by: (Signature) Relinquished by: (Signature) Date Time Received by: (Signature) Relinquished by: (Signature) Date Time Received by: (Signature)											
5)							Relinquished by: (Signature) Date Time Received by: (Signature)											
3)							-		;									
7)													_	_			_	
3)							Relinquished by: (Signature) Date Time Received by: (Signature)				eived by: (Signature)							
3)										_								
10)							Relin	quisl	ned b	y: (Si	gnati	ure)	Date	;	Time	•	Rec	'd for Lab by: (Signature)
Note: The numbered columns above	cross-referenc	e with the nur	nbered columns	in the uppe	r right-har	nd corner.												



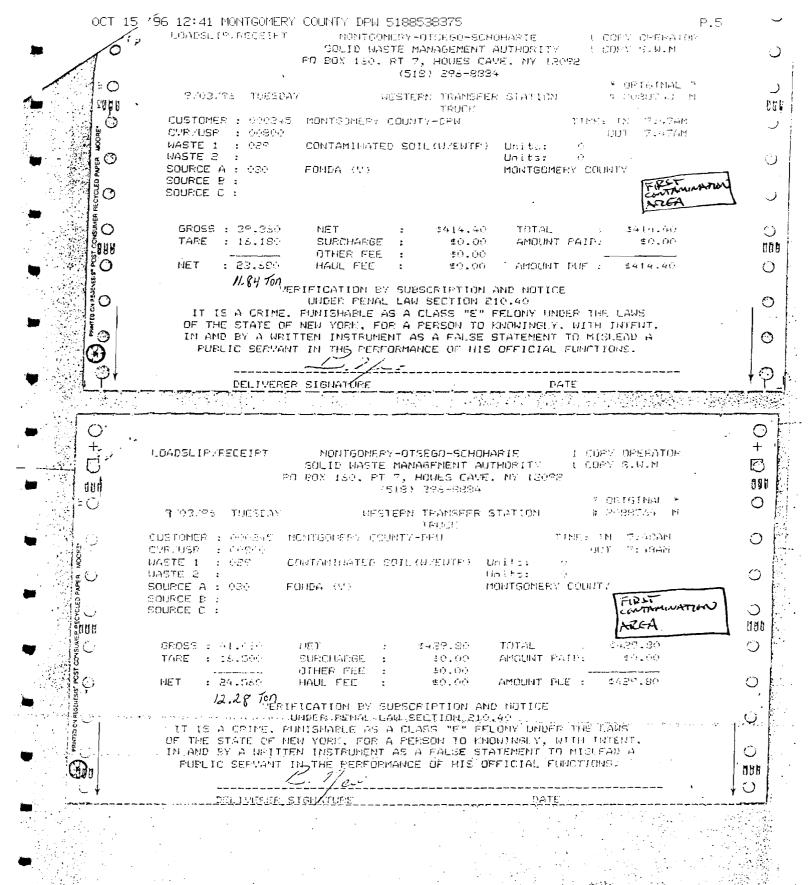
SECTION NO. 065 BLOCK NO. 2

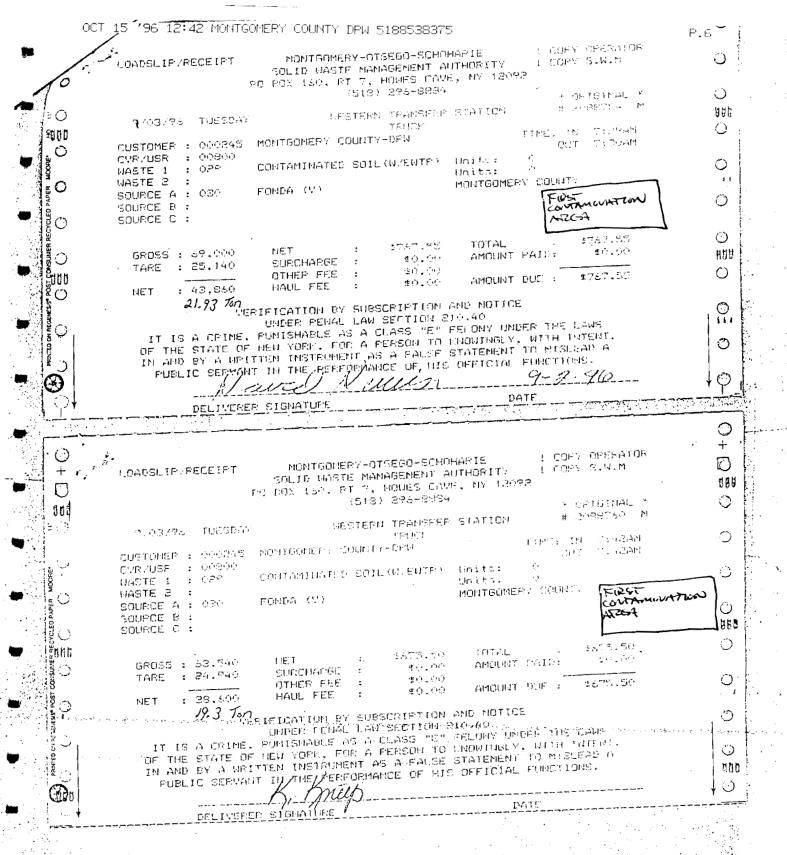
PROPERTY OWNERS ADJACENT TO RICHARD L. HANSON FIRE TRAINING CENTER, YOSTS

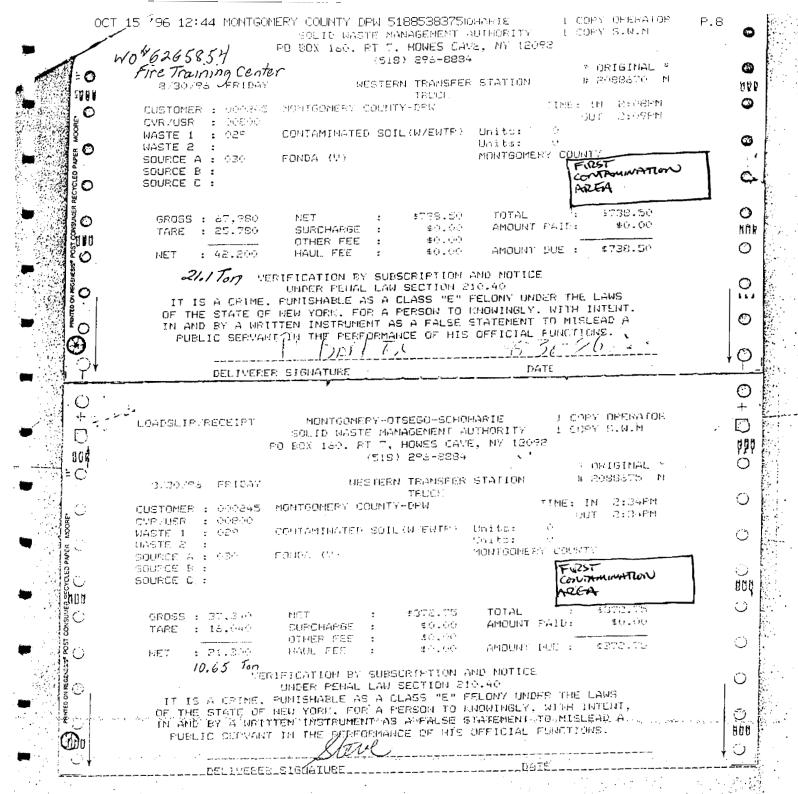
65-2-18	Jane Lansing 4601 STHWY 5 Fonda, NY 12068
65-2-22.12	Adicommco 22 River St. Amsterdam, NY 12010
65-2-7	Roger Lottman RR 1 Canajoharie, NY 13317
65-2-17	Alberto Ramírez P.O. Box 489 New York, NY 10032
65-2-20	James R. Black 113-14 14th Ave. College Point, NY 11356
65-2-21	Myrtle Reaman 16 Athena Place Staten Island, NY 10314
65-2-28	Youngcrest Implement Corp. c/o Edward Young RD 1 Palatine Bridge, NY 13428
65-2-16	Kenneth A. Paro RD 1, Mazur Rd. Amsterdam, NY 12010



DELIVERER SIGNATURE





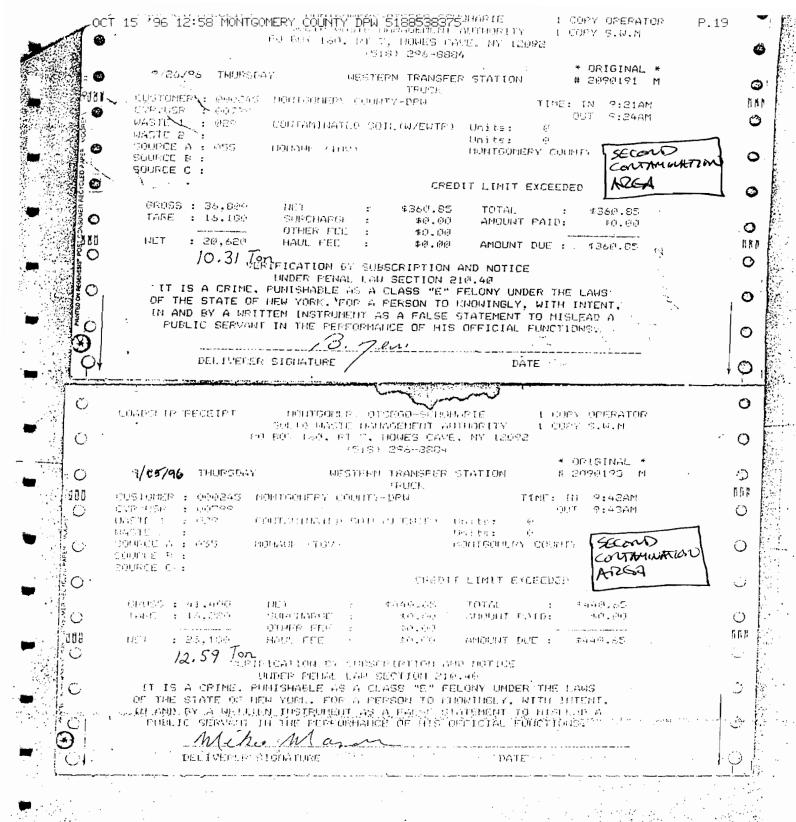


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1 COPY OPERATOR
   LOADSLIF/RECEIPT
                             MONTGOMERY-OTSEGO-SCHOHARIE
                          SOLID WASTE MANAGEMENT AUTHORITY
                                                                   1 COPY S.W.M
                       FO BOX 160, RT 7, HOWES CAVE, NY 12092
                                      (519) 296-8984
                                                                       * ORIGINAL *
    9/13/96 FRIDAY
                                                                       # 2089511 M
                                   WESTERN TRANSFER STATION
                                            TRUCK
                                                                 TIME: IN 2:10PM
  CUSTOMER : 000245
                       MONTGOMERY COUNTY-DEW
  EVR/USR : 00800
                                                                       our
                                                                             2:13PM
  WASTE 1
WASTE 3
           : 029
                                                      Únits:
                        CONTAMINATED SOIL (W/EWTP)
                                                       Units:
                                                                  \circ
  SOURCE A : 030
                       FONDA (9)
                                                       MONTGOMERY COUNTY
  SOURCE B :
                                                 SECOND CONTAMONATION ARCEA
  SOURCE C :
                                                 CREDIT LIMIT EXCEEDED
    GROSS: 68,420
                         MET
                                            $760.90
                                                         TOTAL
                                                                          £730.90
    TARE : 24.940
                         SURCHARGE
                                              $0,00
                                                         AMOUNT PAID:
                                                                            $0.00
                                      :
                         OTHER FEE :
                                              $0.00
    NET
           : 43.480
                                                         AMOUNT DUE :
                         HAUL FEE
                                              $0.00
             21.79
                    VERIFICATION BY SUBSCRIPTION AND NOTICE
                        UNDER FENAL LAW SECTION 210.40
      IT IS A CRIME, FUNISHABLE AS A CLASS "E" FELONY UNDER THE LAWS
     OF THE STATE OF NEW YORK, FOR A PERSON TO KNOWINGLY, WITH INTENT. IN AND BY A WRITTEN INSTRUMENT AS A FALSE STATEMENT TO MISLEAD A
      PUBLIC SERVANT IN THE PERFORMANCE OF HIS OFFICIAL FUNCTIONS.
                        MONTGOMERY-OTSEGO-SCHOHARIE 1 CORY OPERATOR SOLID WASTE MANAGEMENT AUTHORITY 1 CORY S.W.M
LOADSLIP/RECEIPT
                     PO BOX 160, PT 7, HOWES CAVE. NY 12092
                                    (518) 278-9884
                                                                     * DRIBINAL *.
  971979A FRIDAY
                                 WESTERN TRANSFER STATION
                                                                     # 2089515 M
                                           TRUCK
CUSTOMER: 000245 MONTGOMERY COUNTY-DPW
                                                               TIME: IN 2:36PM
CVR/USR : 00800
                                                                           2:37FM
                                                                     OHIT
WASTE 1 : 029
                      CONTAMINATED SOIL (W/EWTF) Units:
                                                  "Units:"
WASTE E TO
                     FONDA (V)
SOURCE A : 030
                                                     MONTGONERY COUNTY
SOURCE B :
                             SECOND CONTRACOHTON AREST
SOURCE'C :
                                               CREDIT LIMIT EXCEEDED
 BROSS : 41.540
                                          $441.70
                       MET
                                                      TOTAL
                                                                        $441.70
 TARE : 16,300
                       SURCHARGE
                                           $0.00
                                                      AMOUNT PAID:
                                                                          $0.00
                       OTHER FEE :
                                            $0.00
        : 25,240
 NET
                       HAUL FEE
                                            $0.00
                                                      AMOUNT DUE /:
                                                                        $441.70
                  VERIFICATION BY SUBSCRIPTION AND NOTICE
                      UNDER PENAL LAW SECTION 810,40
   IT IS A CRIME. FUNISHABLE AS A CLASS "E" FELONY UNDER THE LAWS
  OF THE STATE OF MEW YORK, FOR A PERSON TO KNOWINGLY. WITH INTENT, IN AND BY A WRITTEN INSTRUMENT AS A FALSE STATEMENT TO MISLEAD A PUBLIC SERVANT IN THE PEFFORMANCE OF HIS OFFICIAL FUNCTIONS.
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OCT 15 '96 12:46 MONTGOMERY COUNTY DPW 5188

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ADSLIP/RECEIPT
                                                    MONTGOMERY-OTSEGO-SCHOHARIE
                                                                                                                       1 COPY OPERATOR
                                                SOLID WASTE MANAGEMENT AUTHORITY 1 COPY S.W.M
62658
                                         FO BOX 160. RT 7. HOWES CAVE. NY 12092
                                                                    (518) 296-8884
                                                                                                                            * ORIGINAL *
          9/13/96 FRIDAY
                                                                                                                       # 2089493 M
                                                                WESTERN TRANSFER STATION
                                                                               TRUCK
      CUSTOMER: 000245 MONTGOMERY COUNTY-DPW
                                                                                                                   TIME: IN 12:33PM
      CVR/USR : 00800
                                                                                                                            DUT 12:37FM
      WASTE 1 : 029
                                           CONTAMINATED SOIL (W/EWTP) Units:
      NASTE 2 :
                                                                                                 Units:
      SOURCE A : 030
                                           FONDA (V)
                                                                                                 MONTGOMERY COUNTY
      SOURCE B :
                                                                SECOND CONTAMUNTAN ARGA!
      SOURCE C :
                                                                                      CREDIT LIMIT EXCEEDED
         GROSS: 68.840
                                              NET
                                                                             $768.25
                                                                                                    TOTAL
                                                                                                                                  $768,25
         TARE : 24.940
                                              SURCHARGE :
                                                                                                    AMOUNT PAID:
                                                                                ≉0.00
                                                                                                                                     $0.00
                                              OTHER FEE :
                                                                                 $0.00
                                                                                  $0.00
         NET
                     : 43.900
                                                                                                    AMOUNT DUE :
                                              HAUL FEE :
                                                                                                                                 $768.25
                         21.95 TOUS
                                     VERIFICATION BY SUBSCRIPTION AND NOTICE
                                            UNDER PENAL LAW SECTION 210.40
            IT IS A CRIME, PUNISHABLE AS A CLASS "E" FELONY UNDER THE LAWS
          OF THE STATE OF NEW YORK, FOR A PERSON TO KNOWINGLY. WITH INTENT.
          IN AND BY A WRITTEN INSTRUMENT AS A FALSE STATEMENT TO MISLEAD A
              PUBLIC SERVANT IN THE MERFORMANCE OF HIS OFFICIAL FUNCTIONS.
" LOADSLIP/RECEIPT
                                              MONTGOMERY-OTSEGO-SCHOHARIE
                                                                                                                 1 COPY OFERATOR
                                            SOLID WASTE MANAGEMENT AUTHORITY 1 CORY S.W.M.
                                      PO BOX 150, RT 7, HOWES CAVE, NY 12092
                                                                (518) 296-3884
                                                           WESTERN TRANSFER STATION
     9713798 FRIDAY
                                                                           TRUCK
                                                                                                             TIME: IN 12:55PM
  CUSTOMER: 000245 MONTGOMERY COUNTY-DEW
                                                                                                                        OUT 12:55PM
  CYRZUSR : 00800
  WASTE 1 : 029
                                       CONTAMINATED SOIL (W/EUTF) Unite:
 WASTE 18 to the more of the warm of the beautiful to the 
  SOURCE A : 030 /
                                                                                            MONTGOMERY COUNTY
                                       FONDA (Y)
 SQURCE B :
                                                                                    SECOND CONTRALATION AREA
 SOURCE C :
                                                                                   CREDIT LIMIT EXCEEDED
     GRUSS : 37,400
                                                                        #359.25
                                                                                                                              $369.25
                                         MET
                                                                                                TOTAL
     TARE : 15,300
                                          SURCHARGE :
                                                                          $0.00
                                                                                                AMOUNT FAID:
                                                                                                                               ≇0.00
                                         OTHER FEE :
                                                                             $0.00 °°
                : 21.100
     MET
                                         HAUL FEE
                                                                             $0.00
                                                                                               AMOUNT DUE : #369.25
                                  ERIFICATION BY SUBSCRIPTION AND MOTICE
                                       UNDER PENAL LAW SECTION 210.40
        IT IS A CRIME. PUNISHABLE AS A CLASS "E" FELDNY UNDER THE LAWS
      OF THE STATE OF NEW YORK, FOR A PERSON TO ENOWINGLY, WITH INTENT.
      IN AMD BY A WRITTEN INSTRUMENT AS A FALSE STATEMENT TO MISLEAU A
          FUBLIC SERVANT IN THE PERFORMANCE OF HIS OFFICIAL FUNCTIONS.
                    DELIVERER SIGNAVORU
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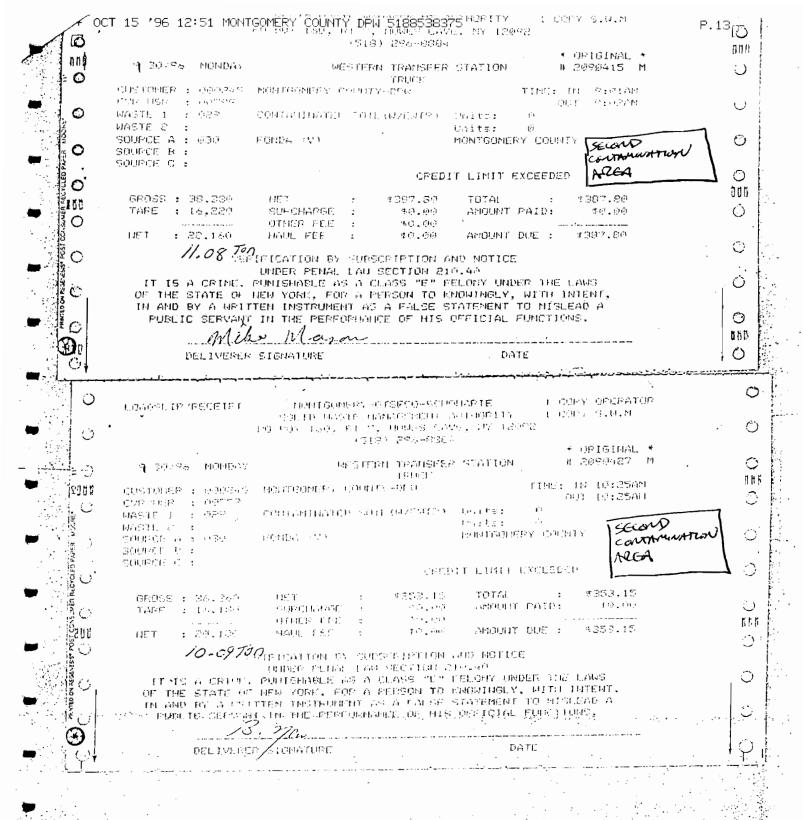
OCT 15 '96 12:47 MONTGOMERY COUNTY DPW

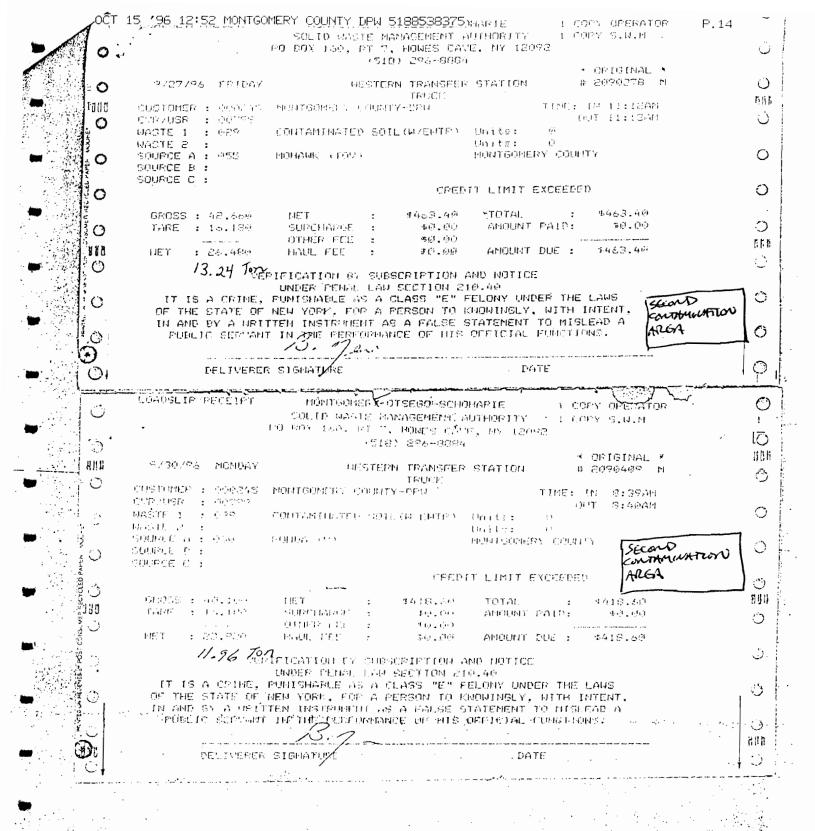


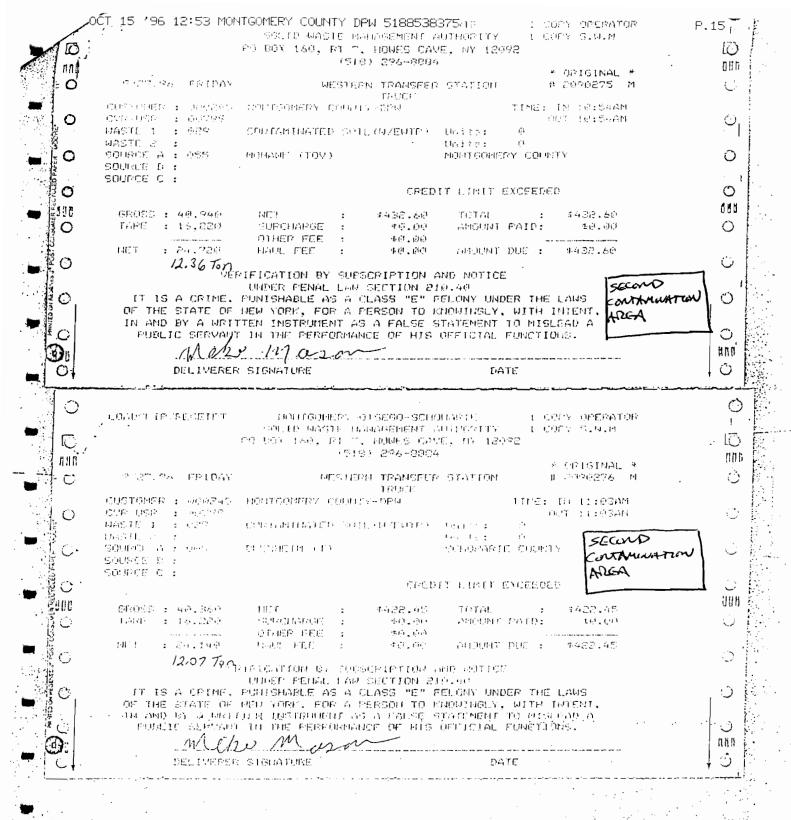
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MONTGOMERY-OTSEGO-SCHOHARIE 1 COFY OFERATOR COLID WASTE MANAGEMENT AUTHORITY : COFY S.W.M
     ADSLIF/RECEIPT
                     PO BOX 160, RT 7, HOWES CAVE, NY 12092
                                  (518) 296-8884
                                                              * ORIGINAL *
    · 9/12/96 THURSDAY
                                WESTERN TRANSFER STATION
                                                              # 2089435 M
                                        TRUCK
   CUSTOMER: 000245 MONTGOMERY COUNTY-DPW
                                                         TIME: IN 2:24PM
   CVR/USR : 00800
                                                              OUT 8:25PM
   WASTE 1 : 029
                     CONTAMINATED SOIL (W/EWTF) Units:
   NASTE 2 :
                                                Units: 0
   SOURCE A: 055 MOHAWK (TOV)
                                               MONTGOMERY COUNTY
   SOURCE B:
   SOURCE C :
                                                       SECOND
                                                        CONTHUMPATION LIZE
                     NET
                                 : $350.50
                                                  TOTAL
    GROSS: 36,980
                                                                 4360.50
                                      $0.00
     TARE : 16,380
                      SURCHARGE :
                                                  AMOUNT FAID:
                       OTHER FEE :
                                        $0.00
    NET
          : 20,600
                      HAUL FEE :
                                        $0.00
                                                 AMOUNT DUE : . $350.50
           10.3 7005
                  VERIFICATION BY SUBSCRIPTION AND NOTICE
                      UNDER PENAL LAW SECTION 810.40
      IT IS A CRIME. FUNISHABLE AS A CLASS "E" FELONY UNDER THE LAWS
     OF THE STATE OF NEW YORK, FOR A PERSON TO KNOWINGLY, WITH INTENT,
     IN AND BY A WRITTEN INSTRUMENT AS A FALSE STATEMENT TO MISLEAD A
       PUBLIC SERVANT IN THE PERFORMANCE OF HIS OFFICIAL FUNCTIONS.
            DELIVERER SIGNATURE
                                                      DATE
. · LOADSLIP/RECEIPT
                       MONTGOMERY-OTSEGO-SCHOHARIE
                                                         1 COPY OPERATOR
                      SOLID WASTE MANAGEMENT AUTHORITY 1 COPY S.W.M
                   PO BOX 160, RT 7, HOWES CAVE, NY 12092
                                (518) 296-8884
   9/13/95 FRIDAY
                              WESTERN TRANSFER STATION
                                                           # 2089488
                                      TRUCK
 CUSTOMER: 000245 MONTGOMERY COUNTY-DPW
                                                       TIME: IN 10:57AM
 CVR/USR : 00800
                                                            DUT 11:53AN
 WASTE 1 : 029 CONTAMINATED SOIL(W/EWTF) Units: Waste 2 :
                                     Transport Unite: .....Quant
 SOURCE A : 030 FONDA (V)
                                               MONTGOMERY COUNTY
 SOURCE B : ..
                                      SECOND CONTAMINATION ARCEA
 SOURCE C :
                                         CREDIT WITHIN 15% OF LIMIT
  TARE : 16.300
                                    $418.60
                     NET
                                                TOTAL
                                                               $418.50
                    SURCHARGE :
OTHER REE :
                                     $0.00
                                                AMOUNT FAID:
                                                               $0.00
                                       $0.00
        : 23,920
                     HAUL FEE
                                       $0.00
                                               AMOUNT DUE : #419.50
             11.96 7005
                VERIFICATION BY SUBSCRIPTION AND NOTICE
                    UNDER PENAL LAW SECTION 210.40
    IT IS A CRIME, PUNISHABLE AS A CLASS "E" FELONY UNDER THE LAWS
    OF THE STATE OF NEW YORK, FOR A PERSON TO KNOWINGLY, WITH INTENT.
    IN AND BY A WRITTEN INSTRUMENT AS A FALSE STATEMENT TO MISLEAD A
     PUBLIC SERVANT IN THE PERFORMANCE OF HIS DEFICIAL FUNCTIONS.
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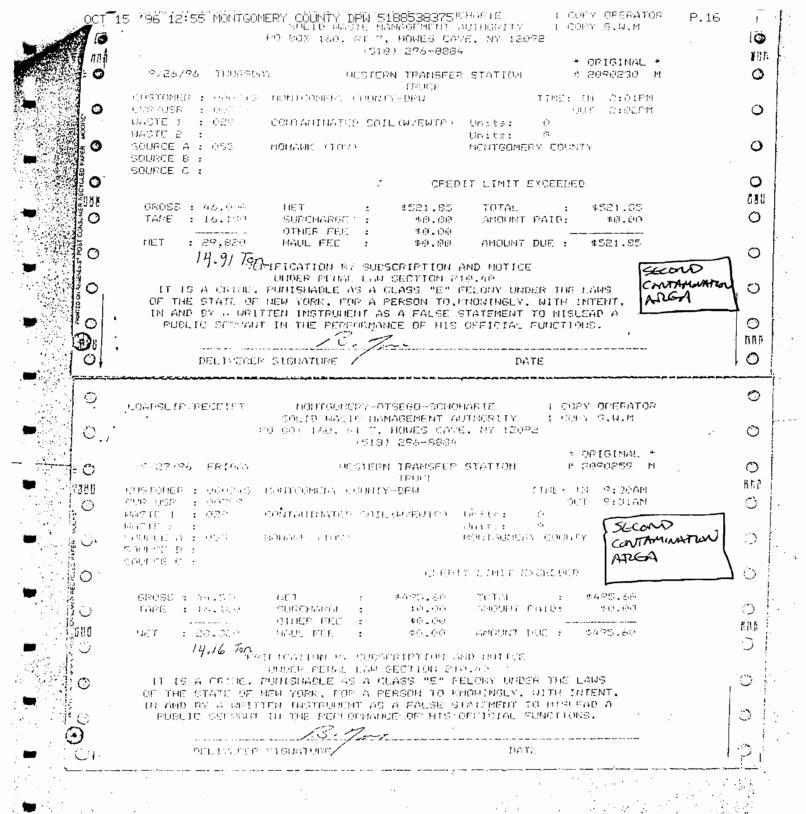
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Anslip/Receipt
                     MONTGOMERY-OTSEGO-SCHOHARIE 1 CORY OPERATOR SOLID WASTE MANAGEMENT AUTHORITY 1 CORY S.W.M PO BOX 160, RT 7, HOWES CAVE, NY 12092
                                   (518) 275-8884
                                                                 * ORIGINAL *
                                 WESTERN TRANSFER STATION
                                                                 # 2089420 M
     9/12/96 -THURSDAY
                                         TRUCK
                                                           TIME: IN 12:34FM
   CUSTOMER: 000245 MONTGOMERY COUNTY-DPW
                                                                 OUT 12:34PM
   CVR/USR : 00800
           : 029
                      CONTAMINATED SOIL (W/EWTP) Units:
  WASTE 1
  WASTE 2 :
                                                  Units:
                                                  MONTGOMERY COUNTY
  SOURCE A : 055
                    MOHAWK (TOY)
  SOURCE P :
                                                  secono
  SOURCE C :
                                                  CONTAMENATION
                                                  arga
                       MET ~
    GROSS: 40,580
                                       $425.25
                                                    TOTAL
                        SURCHARGE :
                                          $0.00
                                                    AMOUNT PAID:
                                                                      $0.00
    TARE : 15,380
                        OTHER FEE :
                                          $0.00
                                          $0.00 AMOUNT DUE :
    NET : 24,300
                        HAUL FEE :
             12.15 TOUS
                  VERIFICATION BY SUBSCRIPTION AND NOTICE
                      UNDER PENAL LAW SECTION 210.40
      IT IS A CRIME, PUNISHABLE AS A CLASS "E" FELONY UNDER THE LAWS
    OF THE STATE OF NEW YORK, FOR A PERSON TO KNOWINGLY, WITH INTENT, IN AND BY A WRITTEN INSTRUMENT AS A FALSE STATEMENT TO MISLEAD A
      PUBLIC SERVANT IN THE PERFORMANCE OF HIS OFFICIAL FUNCTIONS.
               IVERER SIGNATURE
                      MONTGOMERY-OTSEGO-SCHOHARIE : COPY OPERATOR SOLID WASTE MANAGEMENT AUTHORITY : COPY S.W.M
LOADSLIP/RECEIPT
                   PO BOX 160, RT 7, HOWES CAVE, NY 12092
                                 (513) 275-8984
                                                               * ORIGINAL *
  9/12/95 THURSDAY
                              WESTERN TRANSFER STATION
                                                              # 2089430 M
                                       TRUCK
CUSTOMER: 000245 MONTGOMERY COUNTY-DPW
                                                        TIME: IN 1:25PM
CVR/USR : 00800
0
NASTE 2 :
                                                Units:
                                                MONTGOMERY COUNTY
SOURCE A: 055
                    MOHAUK (TOY)
SOURCE E :
                                                SECOND
SOURCE C :
                                                CONTAMINATION ARGA
                                      $757.40 TOTAL : $0.00 AMBUNT PAID:
  GROSS: 48,220
                                                                 #757.40
                     MET
  TARE : 24,940
                     SURCHARGE :
                                                                  $0.00
                     OTHER FEE :
                                        $0.00
        : 43.290
                     HAUL FEE :
                                        $0.00 AMOUNT DUE : $757.40
           21.64 TONS
                VERIFICATION BY SUBSCRIPTION AND NOTICE
                    UNDER PENAL LAW SECTION 210.40
   IT IS A CRIME, PUHISHABLE AS A CLASS "E" FELONY UNDER THE LAWS
   OF THE STATE OF NEW YORK, FOR A PERSON TO KNOWINGLY. WITH INTENT.
   IN AND BY A WRITTEN INSTRUMENT AS A FALSE STATEMENT TO MISLEAD A
    PUBLIC SERVANT IN, THE PERFORMANCE OF HIS OFFICIAL FUNCTIONS.
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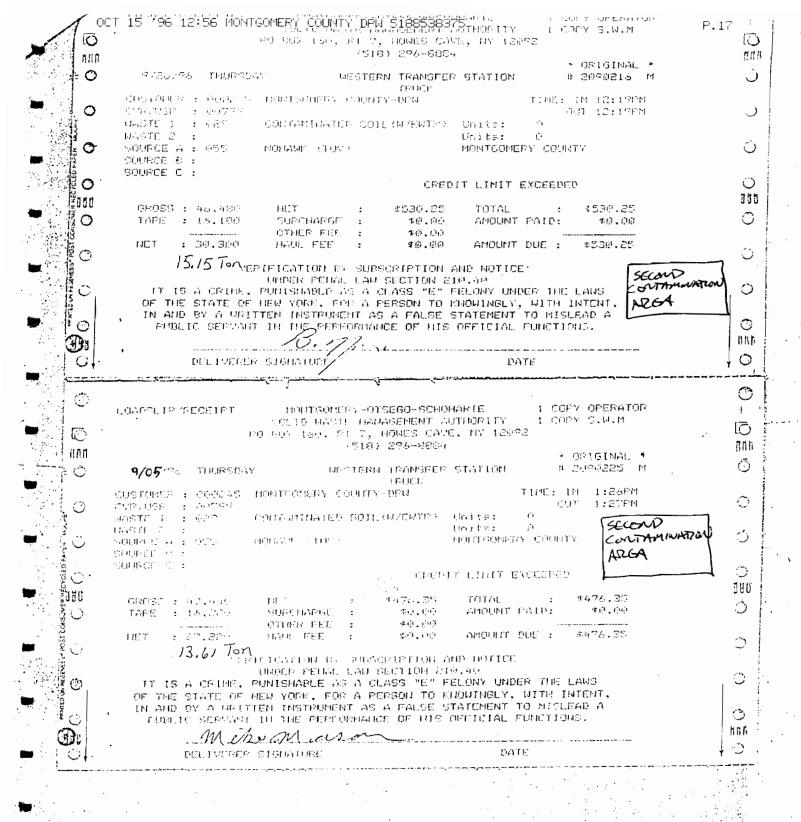
OCT 15 '96 12:50 MONTGOMERY COUNTY DPW 5

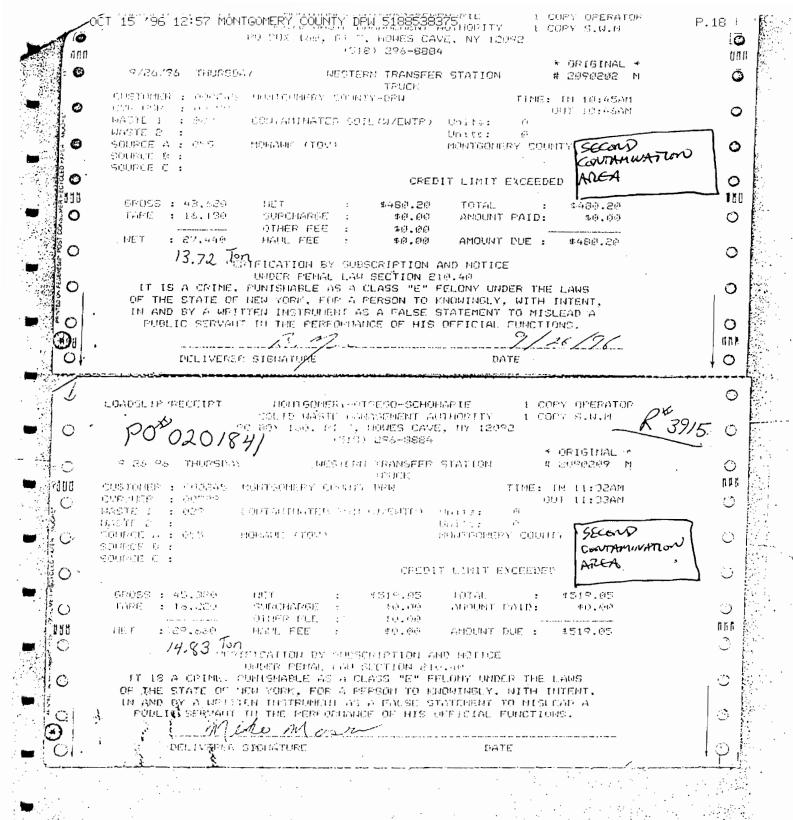














J. KENNETH FRASER AND ASSOCIATES, PE, LS, LA, P.C.

Consulting Engineers
Land Surveyors
Landscape Architects & Planners

MEMORANDUM

FROM: Jim Fraser, Jr.

DATE: September 3, 1996

SUBJECT: Montgomery County Fire Training Center

Soil/Groundwater Fuel Oil Contamination

We were notified this morning by Paul Clayburn that Kleen Resources of Rensselaer, New York would be arriving late to the jobsite between 11:30 and 12:00 Noon. I had obtained several sample bottles from Adirondack Testing Labs in Albany, on my way to work this morning, in anticipation of the trip to Montgomery County to monitor the treatment of stored groundwater prior to discharge to the surface of the ground downhill from the Fire Training Tower excavation site. Brad Grant and I traveled to the site, arriving at approximately 2 P.M. Resources was on the job, had set up a submersible pump in the stilling basin, and was processing water through two (2) 55 gallon, activated carbon filters in series, and discharging the water onto the ground approximately 30 feet downhill towards the natural pond. The rate of processing was estimated at approximately 20 GPM and had been running for almost an hour. I requested that the rate of flow be decreased and it was adjusted to approximately 15 GPM. The pressure on the carbon filters was maintained at or below 3 PSI. Kleen Resources has on the jobsite a fabric filter which they intend to use ahead of the carbon filters when the water level in the stilling basin reaches sufficiently low point that there is a chance of pumping high turbidity water into the system. The roughing filter will help to prevent the premature clogging of the carbon filters. The process appeared to be working properly and the effluent was very clear and exhibited no odor.

We proceeded to obtain grab samples of the raw water in the stilling basin, the filter effluent at the point of discharge from the second carbon filter, and a sample of the on-site drinking water supply which originates in a well located near the northeast corner of the former truck stop maintenance garage. We turned the classroom building lavatory cold water faucet on and allowed it to run for 15 or 20 minutes before obtaining the drinking water sample. This water supply has a high sulphur smell.

Brad and I spent some time looking around the site quite carefully. I explained the project background and the events to date with regard to the ground contamination. Brad will be progressing the site environmental investigation to determine if there is additional contamination at the site and to author the report which is required by ENCON per the Stipulation which the County has entered into with respect to the clean up of this site.

We left the site for Albany at approximately 3:45 P.M. so that we could deliver the water samples to Adirondack Testing before closing time at 5 P.M. Before leaving, we discussed the procedure for the next several days with Paul Clayburn. Paul stated that the construction contractor had decided not to return to the site today but to return after the water level was reduced below that which he observed this Presumably, he will return tomorrow to complete excavation, placement of forms, and pouring of building footings. It was expected that Kleen Resources would continue the filtering operation today until the water level in the stilling basin was at least two feet below the lowest level of the building excavation. This would provide for more than adequate storage space for any additional groundwater which might be generated by the excavation. When to continue filtering of the remaining groundwater in the stilling basin, will be decided when we learn of the construction contractor's schedule for beginning and completing the foundation work on the fire training tower building.

Depending upon that schedule and weather forecasts, it may be prudent to wait until the foundation is sufficiently completed and backfilled before filtering the remaining stored water. Although I do not have an exact measurement, I am still guessing that the total quantity of groundwater to be treated may be approximately 4 to 5,000 gallons. We are keeping track of pumping rate and time so that the quantity can be better estimated when the operation is completed.

Normal turnaround time on the analyses for the samples which were left at Adirondack is approximately two weeks. Shorter turnaround times are available for a significant additional cost. We elected to go with the normal turnaround time but were told that they would try for one week. Results may therefore be available on or about September 11th but not later than the 18th.

END OF MEMORANDUM

CC: Mr. Wayne Allen (County Administrator)

Mr. Paul Clayburn (Deputy Commissioner of DPW)

Mr. Mike Roth (SRG)



J. KENNETH FRASER AND ASSOCIATES, PE, LS, LA, P.C.

Consulting Engineers
Land Surveyors
Landscape Architects & Planners

MEMORANDUM

FROM: Jim Fraser, Jr.

DATE: August 30, 1996

SUBJECT: Montgomery County Fire Training Center

Soil/Groundwater Fuel Oil Contamination

After talking this morning with Paul Clayburn, Deputy Commissioner of Public Works for Montgomery County, I traveled to the jobsite located on Route 5 west of Fonda in the Hamlet of Yosts. The plan of action called for the digging of a stilling basin founded in clay, downhill from the proposed fire tower foundation excavation, in order to provide a clay-lined retention basin of sufficient size to drain all of the standing groundwater out of the building excavation. When I arrived at the site at approximately 11:45 A.M., the basin was completed and the County DPW was in the process of draining off the standing water into the basin. They were able to substantially dewater the previous excavation made by the building contractor.

After inspecting the ground within the excavation, we decided to start in one corner and excavate carefully towards the center to determine the presence of contamination. Uncontaminated soil would be stockpiled to the west of the excavation for future backfill and grading of the site. Almost immediately, we ran into sandy and gravelly soils which was stained and contained a material that smelled like fuel oil. Having obtained a disposal permit from ENCON for 36 cubic yards of material, it soon became apparent that there was going to be much more than that amount to dispose of. The excavation proceeded carefully in a way that we were able to delineate the outline of the contaminated area, placing uncontaminated soil into stockpile on the site and loading

August 30, 1996 Page 2

contaminated material into dump trucks furnished by Montgomery County for hauling to the MOSA landfill located near Fort Johnson. This process proceeded for approximately 2½ hours until all of the material had been loaded and transported to the landfill. An additional permit had to be obtained from NYSDEC since the total volume which was hauled away for disposal was approximately 66 cubic yards.

Upon completion, all of the contaminated soil within the building excavation area had been removed. Since we had reached the limits of the contaminated soil within the excavated area, we can speculate that there are not additional contaminated soil areas within a short distance of this building site.

The area which was excavated is a fill area where the original ground was primarily clay or dense soil with varying amounts of granular fill material consisting of sands and gravels over the natural clay Virtually all of the fuel oil contamination was found in the overlying granular materials and did not appear to have penetrated the clay material by more than an inch or two. The volume of contaminated soil also contained other debris, including a discarded rubber tire and wooden planks and railroad ties. Indications are that fuel oil and/or petroleum products and also some solid debris were disposed of in a localized area at some point in time, or over time, resulting in an area of approximately 400 square feet which was contaminated for a depth of approximately 5 feet. This scenario makes sense from the standpoint that this site was a truck stop for a period of years prior to the construction of the New York State Thruway and there was a truck maintenance barn located within 50 feet of the contaminated area. can be theorized that poor maintenance and disposal practices existed at the site resulting in the deposition of fuel and/or petroleum products either on the ground or into a pit at this location.

A floor drain from the building, which is now demolished, and probably from the grease pit which has since been filled and covered with concrete, apparently drained in a northerly direction through a

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subsurface pipe which probably daylighted on the side hill or reached the pond at the edge of the site. This pipe was broken and uncovered in the process of excavation, however, it does not appear to be a source of contamination.

I left the site at approximate 2:45 P.M. Paul Clayburn and other DPW personnel were in the process of securing the site for the weekend in a way that additional rainfall would drain from the excavation into the stilling basin which had been fashioned in the clay, so that all prior and subsequent drainage from the site would be contained for treatment next week.

Kleen Resources of Rensselaer, New York have been hired to come in on Tuesday morning, September 3, to set up pumping and carbon filtration treatment equipment to treat the stored groundwater prior to discharge onto the ground down hill from the building site. Mr. Clayburn will call me Tuesday morning to advise about progress in setting up the treatment system so that I, or someone from Fraser and Associates, can travel to the site to check the treatment setup, monitor its operation, and obtain effluent samples for analysis. We intend to obtain one or more effluent samples for analysis by Adirondack Testing Labs in Albany. I believe it would be well to obtain a sample of water from the well, which is the drinking water supply for this site, for additional testing. This well was located at the northeast corner of the former truck maintenance barn, approximately 60 or 70 feet away from the contaminated area.

In summary, the cleanup of the excavated area went quite well and was accomplished quite rapidly, but turned out to be a little more extensive than had been anticipated prior to the beginning of excavation.

END OF MEMORANDUM

CC: Mr. Wayne Allen (County Administrator)

Mr. Paul Clayburn (Deputy Commissioner of DPW)

Mr. Mike Roth (SRG)

APPENDIX M

10-10-96

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-ANTHONY KOKOCKI ANTHONY TRUSCEllo

NAME

- Stave wood RICK CUNINSCHAM

Ronald Mead

- PAUL - H. CLAYBURY

James K. Fraser Sr.

- Bradley D. Grant Kell P. M. C.S.C.

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County Dittorne County Christation 853-4304 \$53-822

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Commercial weeks ken

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ONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

APPENDIX N

DIVISION OF ENGINEERING

Preliminary Report on a Proposed Site for a

VOLUNTEER FIREMAN TRAINING CENTER

Location:

Approximately 5.4 miles west of Fonda, N. Y. along the northerly margin of N.Y.S. Rt. 5, near the geographic center of the county.

Ownership:

Peters Oil Company, Johnstown, N. Y. Property was purchased from Arthur F. Peters and Agnes F. Peters, on January 16, 1948. Deed Recorded in Montgomery County Clerk's Office in Book 272, Page 191.

Plot Description:

Parcel dimensions are as indicated in attached drawing and description. Total area is approximately 12.7 acres. A pond situate on the property occupies approximately 2.4 acres and has a maximum depth of 8 fect.

Soil:

Sand gravel.

Buildings:

All buildings seem structurally sound but will require cleaning up. Brief descriptions of all buildings together with estimated replacement values follow:

Garage - 1950 sqft.; concrete block; one story; main section 18' high; with water, toilets, oil furnace, 3' x 50'± grease pit, overhead doors.

Approximate Replacement Value - \$ 19,500.

Restaurant - 2250 sq.ft.

Concrete block, 1 story, with water, toilets, oil furnace, hot water tanks, air conditioners, miscellaneous restaurant equipment.

Approximate Replacement Value - \$ 22,500.

Bunk House - 1000 sq.ft.

Concrete block & wood frame with water, toilets, oil furnace

Approximate Replacement Value - \$ 10,000.

Storage Shed - 300 sq.ft.

Concrete and wood; cold storage shed

Approximate Replacement Value - \$ 1,500.

Fuel Tanks:

Several steel fuel tanks are located on the property. These include 2-20,000 gal. and 1-12,000 gal. above ground tanks, 2 or 3 underground tanks and several small fuel oil tanks.