P. W. GROSSER
CONSULTING, INC.

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September 9, 2003

Mr. John Lovejoy
Bureau of Environmental Protection
Nassau County Department of Health
240 Old Country Rd.
Mineola, New York 11501

SEP 12 2005

Ms. Margaret Halley, Project Manager
Groundwater Compliance Section
United States Environmental Protection Agency
2DECA-WCB, 20th Floor
New York, NY 10007-1866

Re: **Storm Drain and Sanitary Leaching Pool Remediation and Closure Report**
Former Penetrex Site
Glenwood Landing, NY
NYSDEC Site # 1-30-034

Dear Mr. Lovejoy and Ms. Halley:

P.W. Grosser Consulting, Inc. (PWGC) has prepared the following Storm Drain and Sanitary Leaching Pool Remediation and Closure Report for the property located at 1 Shore Road, Glenwood Landing, New York. Remediation of an active sanitary system was deemed appropriate by the New York State Department of Environmental Conservation (NYSDEC) as part of a current Remedial Investigation being performed at the above referenced site. Given the nature of the remediation involving active Class V underground injection wells, the NYSDEC requested that the work be performed under the oversite of Nassau County Department of Health (NCDH) who implements the Underground Injection Control (UIC) program on behalf of the United States Environmental Protection Agency (USEPA). This remedial/closure report reflects actions taken according to the October 22, 2002, Remedial Action Plan and incorporates the USEPA's and NCDH's comments set forth in the January 28, 2003 plan approval (included in Appendix A).

Background

The subject site is comprised of a reported one acre parcel developed with a two-story brick industrial building, asphalt parking, communications tower

and other ancillary improvements located at One Shore Road (a.k.a. Glen Cove Roslyn Shore Road), Hamlet of Glenwood Landing, Town of North Hempstead, Nassau County, New York. The property is identified in Nassau County Tax maps as Section 20 - Block K - Lots 10 through 12. It is bound at its western boundary by Glen Cove Roslyn Shore Road and at its eastern boundary by West Street (Site Location Map Figure 1). The site is generally located north of Scudders Lane and is situated near and adjoining several major oil storage facilities, coastal terminals and municipal power stations near Hempstead Harbor. Including Glenwood Oil Terminal Corp. located northwest, diagonally across the property.

Supplemental Sampling Activities

On March 19, 2003, PWGC obtained the following soil and liquid samples in the presence of a representative from the NCDH;

- DW-1 soil samples for EPA 8270 (Base neutral semi-volatile compounds NCDH protocol) analysis.

- DW-5 sludge samples for EPA8270 (base neutral semi-volatile compounds NCDH protocol), a liquid sample for disposal, (Ph, EPA 8260- Volatile Organic compounds, RCRA Metals).

- Western Sanitary System- (A-1) liquid sample for disposal (parameters above)

The UIC Structure Site Plan Figure 2 shows the location of all structures to be remediated or closed. At each of the above referenced UIC structures sediment/sludge was collected using a hand auger to a depth of 12 inches and mixed in a stainless steel bowl to form one homogeneous sample. Liquid samples were collected using a disposable bailer. The samples were placed in pre-cleaned laboratory supplied glassware, and placed in a cooler packed with ice for transport to the laboratory. The samples were hand delivered to Ecotest Laboratories (NYSDOH ID # 10320) in North Babylon, New York for analysis.

Analytical results of the liquid samples from the two sanitary systems were forwarded to the Nassau County Department of Public Works for their review and approval for disposal at the County's Bay Park Sewage Treatment Plant. Nassau County granted the request and provided an approval letter (attached in Appendix A). Laboratory reports for the supplemental sampling activities are included in Appendix B.

Analytical results of the retrieved soil sample from DW-1 and the retrieved sludge sample from DW-5 showed elevated levels of Semi-volatile compounds above Recommended Soil Clean-up Objectives (RSCO's). Based on the results and subsequent discussions with the NCDOH and the USEPA, remediation of these structures was required as part of the remedial scope of work.

Remedial Activities

Remediation of the aforementioned structures was conducted between May 13, 2003, and May 16, 2003 with Trade-Winds Environmental Restoration Co. of Bayshore, New York

and overseen by PWGC. Mr. John Lovejoy and Mr. Wayne Kempski of the Nassau County Department of Health (NCDH) provided regulatory oversite and split all end point samples with PWGC. All standing water was removed via scavenger waste pump truck from the structures prior to remediation activities.

- **DW-1**

A vactor truck was used to remove approximately 2 ½ feet of soil from the bottom of the storm drain to a point just above the level of groundwater where visibly clean soils were observed. The moist sandy-clay end point soil sample retrieved via hand auger was split with NCDH for EPA 8270 (base neutral semi-volatile organic compounds) laboratory analysis. This structure will continue in service.

- **WESTERN SANITARY SYSTEM**

Septic Tank

Both chambers of the septic tank were accessed by excavation and removal of their concrete covers. A total of 18 inches of sanitary sludge was removed by vactor truck. An inspection of the tank indicated that it had solid walls and a concrete bottom with no openings to the subsurface. Dye testing of the north-western portion of the building confirmed that three bathrooms and a floor drain entered the primary chamber of the tank. Two bathrooms, one kitchen, and one slop sink discharged via a separate plumbing line from the southern portion of the building to the distribution box attached to the second chamber of the septic tank. Confirmatory dye tests were repeated for the NCDH and an inspection of the septic tank was also completed. There were no openings in the septic tank to the subsurface, therefore subsurface soil or end point samples were not required. The interior floor drain was sealed with concrete and the floor repaired. The plumbing carrying the two bathrooms and the kitchen and slop sinks was re-routed to discharge to the primary chamber of the septic tank.

Distribution Box

The distribution box receives waste discharges from the septic tank, and from a secondary waste line (2-bathrooms, 1-kitchen sink and 1-slop sink), discharges via 1- 6 inch pipe to the known sanitary leaching pool. The bottom of this structure consisted of broken concrete which allowed leakage to the soils beneath it. A 6 inch pipe of unknown origin also enters the bottom of the distribution box at an elevation 2 to 3 inches above the 6 inch discharge to the leaching pool. Any historical discharge from this pipe would most certainly have entered the existing sanitary pool (A-1) and because of the elevation difference would not have received liquid flow from either the septic tank or the leaching pool. A vactor truck was used to remove sediments from the bottom of the distribution box to a depth of 8 feet below the ground surface where clean sandy soil was encountered. An auger was used to collect an end point soil sample which was split with NCDH for EPA 8260 (volatile organic compounds), EPA 8270 (base neutral semi-volatile compounds), and RCRA Metals. Since the distribution box is attached directly to the second chamber of the septic tank it could not be removed as previously planned. The distribution box was rebuilt in place with a new floor and block walls. The secondary waste line was re-piped to the primary side of the septic tank and the 6 inch pipe of unknown origin was traced with a Fisher TW-6 pipe locater and a snake to a fresh air vent on the south eastern corner of the

building. It is believed by PWGC that this may have been a sanitary discharge line to serve the southern side of the western building and may have been abandoned or never used. There was no evidence of any leaching structures under the building floor. The NCDH has concurred with our investigative findings and the 6 inch pipe entering the distribution box from the building foundation has been sealed with concrete within the floor of the distribution box.

Sanitary leaching pool (A-1)

The cover of the sanitary pool was accessed by excavation and removed. A vactor truck was utilized to remove approximately 18 inches of sludge and sub-soils from the bottom to a point just above the groundwater level and below the structures invert. A hand auger was used to obtain an endpoint soil sample 21 feet below the pool's opening. The sample, which was white sand and clay, was split with the NCDH for EPA 8260, EPA 8270 and RCRA Metals. An inspection of the pool's interior indicated only one pipe entering the pool in the direction of the distribution box to the east. There were no other leaching pools associated with this system. This structure will remain in service.

- **DW-4**

A vactor truck was used to remove 2 feet of gravelly soil to a depth of 12 feet below the ground surface. A hand auger was used to obtain an end point sample at a depth of 12 ½ feet. The sample, which was sandy clay, was collected just at the groundwater interface and was split with NCDH for EPA 8270 and Total Arsenic analysis. This structure was scheduled for closure by back-filling however PWGC has requested approval from the USEPA for the continued use of this structure as an additional sanitary overflow leaching pool to serve the 2- family residence on the property. PWGC will also seek the approval of this conversion from the Town of North Hempstead Building Department.

- **DW-5**

This structure is an active cesspool which serves the Eastern side of the building. This building has two floors each with a bathroom. The main floor is used for warehousing the second floor is vacant. A vactor truck was used to remove 4 ½ feet of sludge and soil to a depth of 18 feet which is 3 ½ feet below the structure's invert. Ground water was seen entering at the extreme bottom from the Northeastern and the Southeastern directions. A hand auger was used to obtain an end point sample from a depth of 18 feet. The sample was composed of sandy clay and was split with the NCDH for EPA 8270 analysis. This structure is to remain in service.

Remediation Results

End point soil sample results appear in Tables 1, 2 and 3. Laboratory reports for the endpoint samples are included in Appendix C. The results show the remediation activities to be effective, a total of 49.76 tons of contaminated soils and 6,000 gallons of wastewater were removed from the 6 remediated structures. Copies of the Waste Manifests are included in Appendix D.

Total Silver was detected at 5.79 mg/kg in the sample from the Distribution Box. This represents a slight exceedence of the RSCO's of 5.00mg/kg however the floor of the box has been sealed with concrete and is no longer a source of liquid injection.

Benzo-a-pyrene, was detected in the endpoint sample from DW-1 at 204 ppb. Although this is in excess of the TAGM of 61 ppb, it represents a 98.7% removal of this contaminant which was 16,000 ppb in the initial sample. In addition, the remaining SVOC's of concern are each below their respective RSCO's.

Conclusions

Based upon the results of the end point samples presented, PWGC feels that no further remedial activities on these UIC structures are necessary. PWGC is requesting authorization by rule, the continued use of the following UIC Structures: DW-1 parking lot storm drain, DW- 5 cesspool, A-1 sanitary leaching pool, and DW-4 for addition to the existing residential sanitary system. DW-2 and DW-3 have been sealed with concrete, paved over and permanently removed from service as planned.

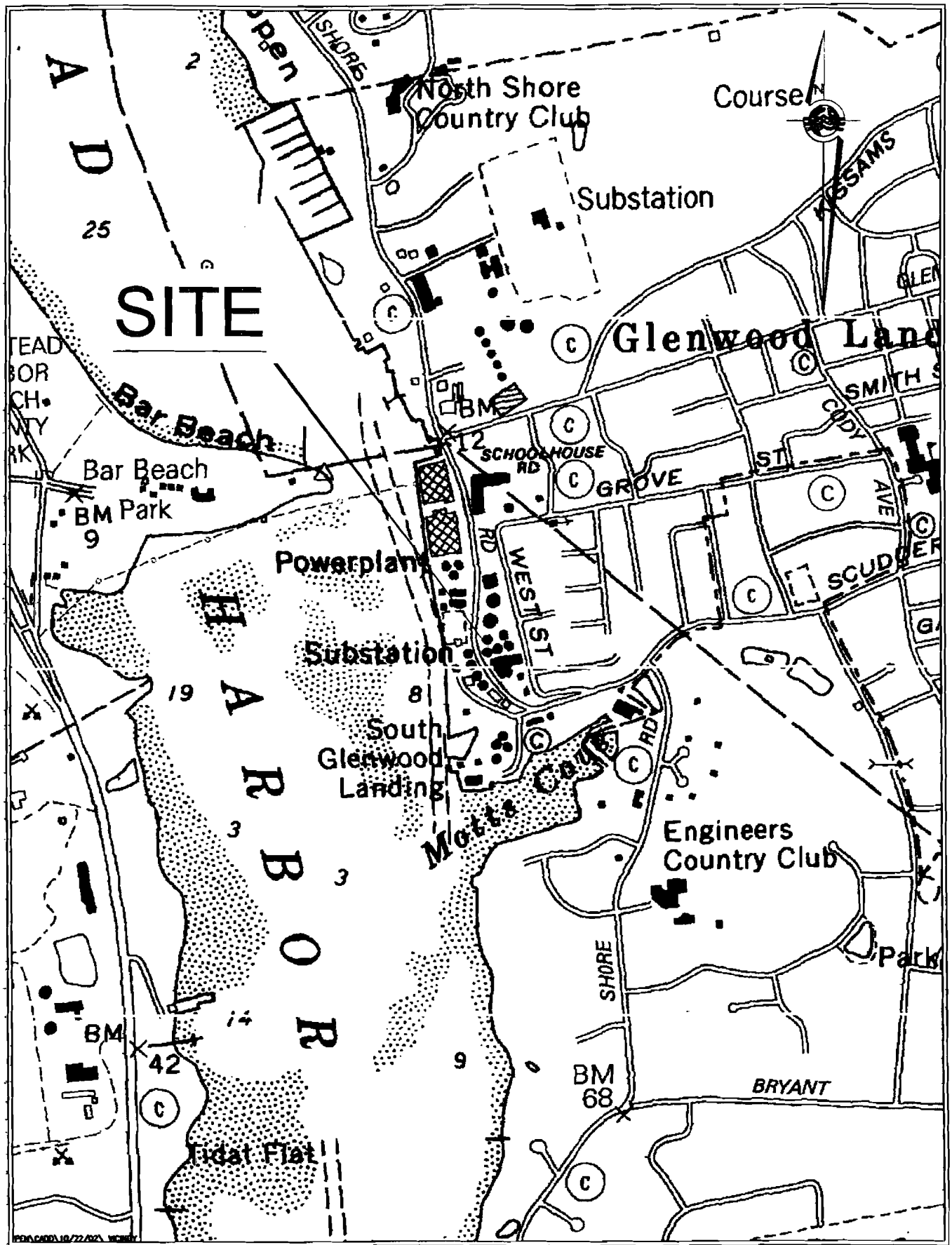
Should you have any questions, or require further information, please contact me directly.

Very Truly Yours,
PWGC

Bruce F. Mackay
Environmental scientist

James P. Rhodes C.P.G.
Senior Project Hydroeologist

FIGURES



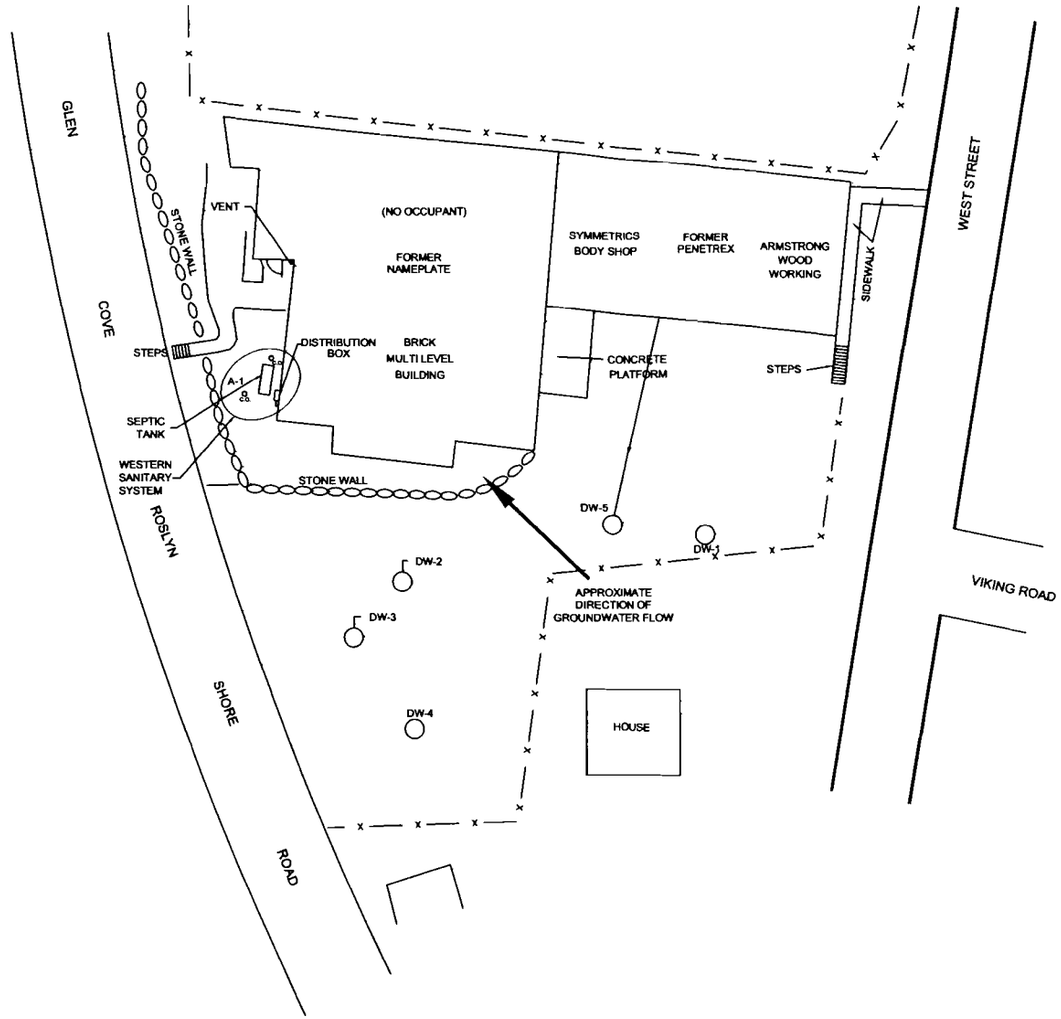
P.W. GROSSER CONSULTING
ENGINEER & HYDROGEOLOGIST, P.C.

Site Location Map

1

10/22/02

TABLES



LEGEND

DW-5 ○ DRY WELL / LEACHING STRUCTURE

0 40 80

SCALE: 1" = 40'

SOURCE: YEC, INC., SURVEY MAP 10, JULY 1992

ON-SITE UIC STRUCTURES
FORMER PENETREX PROCESSING
NYSDEC I.D. No. 130034

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Project: PEN0001	Designed By: BM	Figure No: 2
CADD Operator: TC	Approved By: JPR	Date: 07/02/03

J:\all_projects\PEN\CADD\07-02-03\FIGURE 2

FORMER PENETREX PROCESSING FACILITY
SHORE ROAD
GLENWOOD, NEW YORK
TABLE 1

ENDPOINT SOIL SAMPLE ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8260

Compound	NYSDEC (1)	A-1	DB-1	MDL
Benzene	60	<5	<5	<5
Bromobenzene	10,000 *	<5	<5	<5
Bromochloromethane	10,000 *	<5	<5	<5
Bromodichloromethane	10,000 *	<5	<5	<5
Bromoform	10,000 *	<5	<5	<5
Bromomethane	10,000 *	<5	<5	<5
n-Butylbenzene	10,000 *	<5	<5	<5
sec-Butylbenzene	10,000 *	<5	<5	<5
tert-Butylbenzene	10,000 *	<5	<5	<5
Carbon Tetrachloride	800	<5	<5	<5
Chlorobenzene	1,100	<5	<5	<5
Chlorodibromomethane	200	<5	<5	<5
Chloroethane	200	<5	<5	<5
Chloroform	400	<5	<5	<5
Chloromethane	10,000 *	<5	<5	<5
2-Chlorotoluene	10,000 *	<5	<5	<5
4-Chlorotoluene	10,000 *	<5	<5	<5
1,2-Dibromo-3-chloropropan	10,000 *	<5	<5	<5
1,2-Dibromoethane	10,000 *	<5	<5	<5
Dibromomethane	10,000 *	<5	<5	<5
1,2-Dichlorobenzene	1,100	<5	<5	<5
1,3-Dichlorobenzene	1,000	<5	<5	<5
1,4-Dichlorobenzene	1,800	<5	<5	<5
Dichlorodifluoromethane	10,000 *	<5	<5	<5
1,1-Dichloroethane	300	<5	<5	<5
1,2-Dichloroethane	20 or MDL	<5	<5	<5
1,1-Dichloroethene	300	<5	<5	<5
cis-1,2-Dichloroethene	200	<5	<5	<5
trans-1,2-Dichloroethene	200	<5	<5	<5
1,2-Dichloropropane	10,000 *	<5	<5	<5
1,3-Dichloropropane	10,000 *	<5	<5	<5
2,2-Dichloropropane	10,000 *	<5	<5	<5
1,1-Dichloropropene	10,000 *	<5	<5	<5
Ethyl benzene	5,500	<5	<5	<5
Hexachlorobutadiene	10,000 *	<5	<5	<5
Isopropylbenzene	2,300	<5	<5	<5
p-Isopropyltoluene	10,000	<5	<5	<5
Methylene Chloride	50 or MDL	<5	<5	<5
Naphthalene	13,000	<5	<5	<5
n-Propylbenzene	3,700	<5	<5	<5
Styrene	10,000 *	<5	<5	<5
1,1,1,2-Tetrachloroethane	10,000 *	<5	<5	<5
1,1,2,2-Tetrachloroethane	400	<5	<5	<5
Tetrachloroethene	1,300	<5	<5	<5
Toluene	1,500	<5	<5	<5
1,2,3-Trichlorobenzene	8,300	<5	<5	<5
1,2,4-Trichlorobenzene	8,300	<5	<5	<5
1,1,1-Trichloroethane	700	<5	<5	<5
1,1,2-Trichloroethane	10,000 *	<5	<5	<5
Trichloropropane	3 or MDL	<5	<5	<5
Trichlorofluoromethane	10,000 *	<5	<5	<5
1,2,3-Trichloropropane	10,000 *	<5	<5	<5
1,3,5-Trimethylbenzene	3,300	<5	<5	<5
1,2,4-Trimethylbenzene	10,000	<5	<5	<5
Vinyl chloride	200	<5	<5	<5
Acetone	100	<50	<50	<50
Carbon disulfide	2,700	<5	<5	<5
2-Butanone (MEK)	200	<10	<10	<10
Vinyl acetate	10,000 *	<5	<5	<5
2-Hexanone	10,000 *	<5	<5	<5
m + p Xylene	1,200	<10	<10	<10
o Xylene	1,200	<5	<5	<5
Methyl tertiary butyl ether	1,200	<5	<5	<5

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Mer
ND - Not Detected
Bolded text denotes RSCO Exceedance
* - For those compounds were no specific RSCO has been promulgated. The RSCO of 10,000 ug/kg for tot
All units are ug/kg.

FORMER PENETREX PROCESSING FACILITY
SHORE ROAD
GLENWOOD, NEW YORK
TABLE 2

END POINT SOIL SAMPLE ANALYTICAL RESULTS FOR SEMIVOLATILE ORGANIC COMPOUNDS EPA METHOD 8270

Compound	NYSDEC (1)	A-1	DW-1	DB-1	DW-4	DW-5	MDL
Bis(2-chloroethyl)ether	50,000 *	<40	<100	<40	<40	<40	<40
1,3-Dichlorobenzene	1,000	<40	<100	<40	<40	<40	<40
1,4-Dichlorobenzene	1,800	<40	<100	<40	<40	<40	<40
1,2-Dichlorobenzene	1,100	<40	<100	<40	<40	<40	<40
Bis(2-chloroiospropyl)ether	50,000 *	<40	<100	<40	<40	<40	<40
Hexachloroethane	50,000 *	<40	<100	<40	<40	<40	<40
N-Nitrosodi-n-propylamine	50,000 *	<40	<100	<40	<40	<40	<40
Nitrobenzene	50 or MDL	<40	<100	<40	<40	<40	<40
Isophorone	1,000	<40	<100	<40	<40	<40	<40
Bis(2-chloroethoxy)methane	50,000 *	<40	<100	<40	<40	<40	<40
1,2,4-Trichlorobenzene	8,300	<40	<100	<40	<40	<40	<40
Naphthalene	13,000	<40	<100	<40	<40	<40	<40
Hexachlorobutadiene	50,000 *	<40	<100	<40	<40	<40	<40
Hexachlorocyclopentadiene	50,000 *	<66	<100	<66	<66	<66	<40
2-Chloronaphthalene	50,000 *	<40	<100	<40	<40	<40	<40
Acenaphthylene	41,000	<40	<100	<40	<40	<40	<40
Dimethylphthalate	2,300	<40	<100	<40	<40	<40	<40
2,6-Dinitrotoluene	500	<40	<100	<40	<40	<40	<40
Acenaphthene	50,000 *	<40	<100	<40	<40	<40	<40
2,4-Dinitrotoluene	50,000 *	<40	<100	<40	<40	<40	<40
Fluorene	50,000 *	<40	<100	<40	<40	<40	<40
4-Chlorophenyl phenyl ether	50,000 *	<40	<100	<40	<40	<40	<40
Diethylphthalate	4,100	<40	<100	<40	<40	<40	<40
4-Bromophenyl phenyl ether	50,000 *	<40	<100	<40	<40	<40	<40
Hexachlorobenzene	400	<40	<100	<40	<40	<40	<40
Phenanthrene	50,000 *	<40	312	<40	<40	<40	<40
Anthracene	50,000 *	<40	<100	<40	<40	<40	<40
Di-n-butylphthalate	50,000 *	92	<100	85	107	98	<40
Fluoroanthene	50,000 *	<40	518	<40	<40	<40	<40
Pyrene	50,000 *	<40	418	<40	<40	<40	<40
Butylbenzylphthalate	50,000 *	<40	<100	<40	<40	<40	<40
3,3-Dichlorobenzidine	1,400	<40	<100	<40	<40	<40	<40
Benzo(a)anthracene	224 or MDL	<40	164	<40	<40	<40	<40
Chrysene	400	<40	243	<40	<40	<40	<40
Bis(2-ethylhexyl)phthalate	50,000 *	41	<100	227	49	148	<40
Di-n-octylphthalate	50,000 *	<40	<100	<40	<40	<40	<40
Benzo(b)fluoranthene	1100 or MDL	<40	286	<40	<40	<40	<40
Benzo(k)fluoranthene	610 or MDL	<40	112	<40	<40	<40	<40
Benzo (a) pyrene	61 or MDL	<40	**204**	<40	<40	<40	<40
Indeno(1,2,3-cd)pyrene	3,200	<40	177	<40	<40	<40	<40
Dibenzo(a,h)anthracene	14.3 or MDL	<40	<100	<40	<40	<40	<40
Benzo(g,h,i)perylene	50,000 *	<40	164	<40	<40	<40	<40
Total Detected SVOCs	1,000	133	2286	312	156	246	

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memo (TAGM) 4046, 12/00.
ND - Not Detected
Bolded text denotes RSCO Exceedance
* - For those compounds were no specific RSCO has been promulgated, the RSCO of 50,000 ug/kg for total SVOCs is used.

FORMER PENETREX PROCESSING FACILITY
SHORE ROAD
GLENWOOD, NEW YORK
TABLE 3

ANALYTICAL RESULTS FOR METALS

Compound	NYSDEC RSCOs (1)	A-1 West SS Pool	DB-1 Dist. Box West SS	DW-4 West SW Drywell	**MDL**
Arsenic	7.5	<1.65	<1.65	5.18	1.65 mg/kg
Barium	300 or SB	<3.33	18.4	n/a	3.33 mg/kg
Cadmium	7.5	<1.00	<1.00	n/a	1.00 mg/kg
Chromium	50	4.75	12.4	n/a	1.65 mg/kg
Lead	61	<1.65	5.28	n/a	1.65 mg/kg
Mercury	0.1	<0.020	0.026	n/a	0.020 mg/kg
Selenium	2	<1.65	<1.65	n/a	1.65 mg/kg
Silver	5	<1.65	**5.79**	n/a	1.65 mg/kg

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives, Technical and Administrative Guidance Memo (TAGM) 4046, 4/95.
ND - Not Detected.
SB - Site Background.
Bold text denotes RSCO Exceedance.
Shading denotes Eastern USA Background Exceedance
All units are mg/kg.

USER3:\SHARED\PWG\MKA\9906\TABLES\RESULTS

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APPENDIX A

CLOSURE PLAN APPROVAL
@
ADDITIONAL CORRESPONDENCE

JR

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

JAN 28 2003

CERTIFIED MAIL - RETURN RECEIPTS REQUESTED
Article Number: 7001-0320-0002-3200-6503

Property Owner:
Larry Weinberger
Glenwood Realty, LLC
P.O. Box 1356
Roslyn Heights NY 11577

Facility:
Former Penetrex Site
Shore Road
Glenwood Landing NY
NYSDEC Site # 1-30-034

Re: Class V Underground Injection Control (UIC) Storm Drain and Sanitary Leaching Pool Remediation and Closure Plan Conditional Approval

Dear Mr. Weinberger:

The Groundwater Compliance Section of the U.S. Environmental Protection Agency (EPA) has reviewed the Storm Drain and Sanitary Leaching Pool Remediation and Closure Plan (dated October 22, 2002) provided by P.W. Grosser Consulting, Inc (PWGC). The EPA approves this remediation and closure plan, provided that the following additional requirements are incorporated.

1. Following its initial characterization for semi-volatile organic compounds (SVOC) and remediation if elevated levels of SVOC's are detected, if DW-1 will continue to be used for stormwater drainage, a request in writing must be made to the EPA for authorization by rule.

2. After the Remedial Investigation by the New York State Department of Environmental Conservation has been completed, DW-2 and DW-3 must be removed from service by backfilling with clean fill and sealing with asphalt or concrete, to match the existing grade.

3. Sediment should be removed from DW-4 and an endpoint sample should be taken for metals because of the elevated level of arsenic at 18 milligrams per kilogram at 11 to 13 feet below grade, in addition to characterizing this injection well for SVOC's. If groundwater is encountered, the groundwater must also be characterized for metals and SVOC's.

In addition, please be advised that large capacity cesspools must be closed nationwide as of April 5, 2005, in accordance with the UIC Class V, Phase 1 Rule, promulgated on November 23, 1999. This applies to DW-5, an active cesspool, which is not a new cesspool because it was in existence prior to April 5, 2000. This is the date that construction of all new cesspools are

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NYSDEC
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Albany NY 12207-2942
Champanine Saviengvong <cxsavien@gw.dec.state.ny.us>

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New York, NY 10022

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Bohemia NY 11716-2618

THOMAS R. SUOZZI
COUNTY EXECUTIVE

DAVID M. ACKMAN, M.D., M.P.H.
COMMISSIONER

NASSAU COUNTY
DEPARTMENT OF HEALTH
240 OLD COUNTRY ROAD
MINEOLA, NEW YORK 11501-4250
VOICE: 516 571-3410
FAX: 516 571-1475

July 2, 2003

Brian Devaux
P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite F
Bohemia, New York 11716-2618

Re: Underground Injection Well Remediations
Former Penetrex
One Shore Road
Glenwood Landing, New York

Dear Mr. Devaux:

This Department is in receipt and has reviewed the laboratory analytical results for endpoint soil samples collected subsequent to the remediation of five (5) United States Environmental Protection Agency (USEPA) Class V injection wells located at the referenced address. Based on the information provided, and on observations made by Department representatives, we have determined that no further work concerning the injection wells is required at this time by this Department.

Please note, final approval regading the remediations and approval to continue using any of the structures for fluid injection must be obtained from the USEPA pursuant to Federal Underground Injection Control requirements. To this end you should submit a remediation report to the USEPA at the following address:

United States Environmental Protection Agency
Groundwater Compliance Section
290 Broadway, 20th Floor
New York, New York 10007-1866
Attn: Margaret Halley

The report must include a brief description of the work performed, a site diagram, copies of all initial and endpoint soil sample results and waste disposal manifests. Additionally, a statement requesting approval from the USEPA for authorized use of the injection wells must be included.

THE HEALTH DEPARTMENT FILE FOR THIS SITE WILL REMAIN OPEN UNTIL USEPA APPROVALS ARE OBTAINED.

If you have any questions, please do not hesitate to contact me at (516) 571-3866.

Very truly yours,

John L. Lovejoy
Public Health Sanitarian II
Bureau of Environmental Protection

JLL:jp

cc: Margaret Halley, USEPA
Joe Jones, NYSDEC-Albany
Walter Parish, NYSDEC-Stony Brook
Jacquelyn Nealon, NYSDOH-Albany
(944D)

James Rhodes

From: Halley.Margaret@epamail.epa.gov
Sent: Monday, February 10, 2003 9:07 AM
To: jimr@pwgrosser.com
Cc: Dadusc.Jeanette@epamail.epa.gov
Subject: Former Penetrex Site: EPA Letter Dated January 28,2003 Amendment

This message is an amendment to the letter from the U.S. Environmental Protection Agency (EPA), dated January 28, 2003, Certified Mail Number 7001-0320-0002-3200-6503, conditionally approving the Remediation and Closure Plan for the Former Penetrex site, located in Glenwood Landing, New York.

The phrase, "Once remediated..." on page 2, referring to DW- 5, should be corrected. The correction that should be substituted for this phrase is: "Contingent on the results of sampling and analysis of semi-volatile organic compounds, which would indicate whether remediation is required or not. . ."

Margaret Halley
U.S. EPA, Region 2
Groundwater Compliance Section, 20th Floor
290 Broadway
New York NY 10007-1866
(212) 637-3092 (ph)
(212) 637-4211 (fax)

P. W. GROSSER
CONSULTING
ENGINEER &
HYDROGEOLOGIST, P.C.

630
JOHNSON
AVENUE
SUITE 7

BOHEMIA

NEW YORK
11716-2618

PHONE:
631-589-6353

FAX:
631-589-8705

VISIT US AT:
www.pwgrosser.com

June 26, 2003

Ms. Margaret Halley, Project Manager
Groundwater Compliance Section
United States Environmental Protection Agency
2 DECA-WCB 20th Floor
New York, N.Y. 10007-1866

Re: Former Penetrex Site
Shore Road
Glenwood Landing, N.Y.
NYSDEC Site # 1-30-034

Dear Ms. Halley:

This letter will serve to formalize our June 25, 2003 phone conversation regarding the change to the approved UIC Closure Plan at the above referenced site. P.W. Grosser Consulting, Inc. (PWGC) is requesting approval for the continued use of DW-4, an inactive Storm Drain that underwent remediation on May 15, 2003. PWGC plans to obtain approval from the Town of North Hempstead to integrate this structure into the existing sanitary system serving the residential building on the property. It would become a secondary overflow leaching pool.

End point soil samples collected following the remediation and analyzed for Total Arsenic and SVOC's (EPA 8270) indicate no further remediation is required. This data has been forwarded to you previously.

Thank you for your assistance, should you have any questions contact me directly.

Very truly yours,
PWGC

Bruce F. Mackay
Environmental Scientist

Bruce MacKay

From: Halley.Margaret@epamail.epa.gov
Sent: Monday, August 11, 2003 11:47 AM
To: BruceM@pwgrosser.com
Cc: EEPSJLL@health.co.nassau.ny.us; Hillenbrand.Charles@epamail.epa.gov
Subject: Former Penetrex Site, Shore Road, Glenwood Landing NY

The Ground Water Compliance Section of the U.S. Environmental Protection Agency (EPA) has reviewed the laboratory analytical results provided by P. W. Grosser (analyzed May 19, 2003 by Long Island Analytical Laboratories, Inc.) and from the Nassau County Department of Health, concerning the endpoint samples of the leaching pool DW-4, located at the above-referenced property. The laboratory analytical results indicate that the Recommended Soil Clean-up Objectives have been met (reference the Technical and Administrative Guidance Memorandum, HWR-94-4046, from the New York State Department of Environmental Conservation). The integration of this DW-4 into the sanitary system, as described in your request in a letter dated June 26, 2003, in accordance with local and EPA regulations, is approved.

DW-4 is considered an active Class V injection well. There may be additional regulatory requirements when future regulations for Class V wells become promulgated. The leaching pool is authorized by rule pursuant to Title 40 of the Code of Federal Regulations, Section 144.24.

Should any conditions change (such as injectate composition, accidental spills into the system, sealing the drywell, injection of cooling water more than 90° Fahrenheit, construction of additional wells, etc.), the property owner is required to notify this office, specifically:

Charles Hillenbrand, Ph.D.
Ground Water Compliance Section, 2DECA-WCB
U.S. Environmental Protection Agency
290 Broadway
New York, NY 10007-1866

Should you have any questions, please contact me at (212) 637-3092 or by E-mail.

Margaret Halley, Environmental Scientist
Ground Water Compliance Section
U. S. Environmental Protection Agency

APPENDIX B

LABORATORY ANALYTICAL REPORTS

SUPPLEMENTAL SAMPLING ACTIVITIES

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
101-4 Colin Drive • Holbrook, New York 11741 • Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS	CONTACT:	SAMPLER (SIGNATURE) / DATE / TIME	SAMPLE(S) SEALED	LABORATORY CHAIN ID # (FOR LAB USE ONLY)
PW GROSS 55 Johnson Ave Ste 7 Bohemia NY.	Brian Devereux	Bruce F Macary 5/16/03	YES / NO	
	PHONE (631) 589-6353	SAMPLER NAME (PRINT) / DATE / TIME	CORRECT CONTAINER(S)	
	FAX (631) 589-8705	Bruce F Macary 5/16/03	YES / NO	

PROJECT LOCATION: Pennfirex - Glenwood Cn06. End Point Samples

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month.

LABORATORY ID # For Laboratory Use Only	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	ANALYSIS REQUIRED: 8270	8260	RCRA metals	Arsenic only	# OF CONTAINERS
1. 1009000	S	G	ICE	DRY WELL A1 END PT.	X				1
2. 1009001	S	G	ICE	DB-1 (DISTRIBOX WEST SS)	X	X	X		3
3. 1009002	S	G	ICE	A-1 (WEST S.S. Pool)	X	X	X		3
4. 1009003	S	G	ICE	DW-4 - S.W. DRY well	X			X	2
5. 1009004	S	G	ICE	DW-5 EASTERN San. System	X				1
6. 1009005									
7.									
8.									
9.									
10.									
11.									
12.									
13.									
14.									

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A=AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON **PRES** ICE, HCL, H_2SO_4, NAOH

TURNAROUND REQUIRED: NORMAL ☑ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
	5/16 1330	Brian Devereux	O. Laukaniuk	5-16 2:35	
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN	DATE / TIME	PRINTED NAME
				5/16 2:57	J. Curry

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.01 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0930
MATRIX:Soil SAMPLE: DW-1 (Storm Water Drywall)

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 330		03/26/03	329.67	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 330		03/26/03	329.67	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 330		03/26/03	329.67	EPA8270
Carbazole	ug/Kg	5200		03/26/03	329.67	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 330		03/26/03	329.67	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 330		03/26/03	329.67	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 330		03/26/03	329.67	EPA8270
Hexachloroethane	ug/Kg	< 330		03/26/03	329.67	EPA8270
Nitrobenzene	ug/Kg	< 330		03/26/03	329.67	EPA8270
Isophorone	ug/Kg	< 330		03/26/03	329.67	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 330		03/26/03	329.67	EPA8270
1,2,4-Trichlorobenzene (sv)	ug/Kg	< 330		03/26/03	329.67	EPA8270
Naphthalene(sv)	ug/Kg	< 330		03/26/03	329.67	EPA8270
4-Chloroaniline	ug/Kg	< 330		03/26/03	329.67	EPA8270
Hexachlorobutadiene	ug/Kg	< 330		03/26/03	329.67	EPA8270
2-Methylnaphthalene	ug/Kg	650		03/26/03	329.67	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 3300		03/26/03	3296.7	EPA8270
2-Chloronaphthalene	ug/Kg	< 330		03/26/03	329.67	EPA8270
2-Nitroaniline	ug/Kg	< 330		03/26/03	329.67	EPA8270
Dimethyl Phthalate	ug/Kg	< 330		03/26/03	329.67	EPA8270
Acenaphthylene	ug/Kg	< 330		03/26/03	329.67	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 330		03/26/03	329.67	EPA8270
3-Nitroaniline	ug/Kg	< 330		03/26/03	329.67	EPA8270
Acenaphthene	ug/Kg	4000		03/26/03	329.67	EPA8270
Dibenzofuran	ug/Kg	2400		03/26/03	329.67	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.01 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0930
MATRIX:Soil SAMPLE: DW-1 (Storm Water Drywall)

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 330		03/26/03	329.67	EPA8270
Diethyl Phthalate	ug/Kg	< 330		03/26/03	329.67	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 330		03/26/03	329.67	EPA8270
Fluorene	ug/Kg	4200		03/26/03	329.67	EPA8270
4-Nitroaniline	ug/Kg	< 330		03/26/03	329.67	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 330		03/26/03	329.67	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 330		03/26/03	329.67	EPA8270
Hexachlorobenzene	ug/Kg	< 330		03/26/03	329.67	EPA8270
Phenanthrene	ug/Kg	46000		03/25/03	3296.7	EPA8270
Anthracene	ug/Kg	5600		03/26/03	329.67	EPA8270
Di-n-Butyl Phthalate	ug/Kg	590		03/26/03	329.67	EPA8270
Fluoranthene	ug/Kg	64000		03/25/03	3296.7	EPA8270
Pyrene	ug/Kg	42000		03/25/03	3296.7	EPA8270
BenzylButylPhthalate	ug/Kg	1100		03/26/03	329.67	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 33000		03/25/03	32967.	EPA8270
Benzo(a)anthracene	ug/Kg	18000		03/25/03	3296.7	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.01 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0930
MATRIX:Soil SAMPLE: DW-1 (Storm Water Drywall)

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	22000		03/25/03	3296.7	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	850		03/26/03	329.67	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 3300		03/25/03	3296.7	EPA8270
Benzo(b)fluoranthene	ug/Kg	17000	*	03/25/03	3296.7	EPA8270
Benzo(k)fluoranthene	ug/Kg	17000	*	03/25/03	3296.7	EPA8270
Benzo(a)pyrene	ug/Kg	16000		03/25/03	3296.7	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	10000		03/25/03	3296.7	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 3300		03/25/03	3296.7	EPA8270
Benzo(ghi)perylene	ug/Kg	10000		03/25/03	3296.7	EPA8270
% Solids		91		03/26/03	0.1	SM182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Total = 31000#, unable to separate isomers.

#WET WEIGHT RESULT

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.02 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0950
MATRIX:Soil SAMPLE: DW-5 (Sludge-Sanitary Pool)

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 16000		03/25/03	15789.	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 16000		03/25/03	15789.	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Carbazole	ug/Kg	< 16000		03/25/03	15789.	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 16000		03/25/03	15789.	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Hexachloroethane	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Nitrobenzene	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Isophorone	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
1,2,4-Trichlorobenzene (sv)	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Naphthalene(sv)	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
4-Chloroaniline	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Hexachlorobutadiene	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
2-Methylnaphthalene	ug/Kg	15000		03/25/03	1578.9	EPA8270
Hexachlorocyclopentadiene	ug/Kg	160000		03/25/03	157894	EPA8270
2-Chloronaphthalene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
2-Nitroaniline	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Dimethyl Phthalate	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Acenaphthylene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
3-Nitroaniline	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Acenaphthene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Dibenzofuran	ug/Kg	< 16000		03/25/03	15789.	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: Elevated detection limits due to interference.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.02 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0950
MATRIX:Soil SAMPLE: DW-5 (Sludge-Sanitary Pool)

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Diethyl Phthalate	ug/Kg	< 16000		03/25/03	15789.	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Fluorene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
4-Nitroaniline	ug/Kg	< 16000		03/25/03	15789.	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Hexachlorobenzene	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Phenanthrene	ug/Kg	33000		03/25/03	1578.9	EPA8270
Anthracene	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 1600		03/25/03	1578.9	EPA8270
Fluoranthene	ug/Kg	15000		03/25/03	1578.9	EPA8270
Pyrene	ug/Kg	12000		03/25/03	1578.9	EPA8270
BenzylButylPhthalate	ug/Kg	8900		03/25/03	1578.9	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 160000		03/25/03	157894	EPA8270
Benzo(a)anthracene	ug/Kg	2600		03/25/03	15789.	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: Elevated detection limits due to interference.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.231193.02 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0950
MATRIX:Soil SAMPLE: DW-5 (Sludge-Sanitary Pool)

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	3300		03/25/03	1578.9	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	32000		03/25/03	1578.9	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Benzo(a)pyrene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
Benzo(ghi)perylene	ug/Kg	< 16000		03/25/03	15789.	EPA8270
% Solids		57		03/26/03	0.1	SM182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS: Elevated detection limits due to interference.

DIRECTOR

rn = 9509 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.03 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0950
MATRIX:Water SAMPLE: DW-5 (Sanitary Pool)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluomethane	ug/L	< 1		03/25/03	1	EPA8260
Chloromethane	ug/L	< 1		03/25/03	1	EPA8260
Vinyl Chloride	ug/L	2		03/25/03	1	EPA8260
Bromomethane	ug/L	< 1		03/25/03	1	EPA8260
Chloroethane	ug/L	< 1		03/25/03	1	EPA8260
Trichlorofluomethane	ug/L	< 1		03/25/03	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		03/25/03	1	EPA8260
Methylene Chloride	ug/L	< 1		03/25/03	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		03/25/03	1	EPA8260
1,1 Dichloroethane	ug/L	2		03/25/03	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		03/25/03	1	EPA8260
c-1,2-Dichloroethene	ug/L	8		03/25/03	1	EPA8260
Bromochloromethane	ug/L	< 1		03/25/03	1	EPA8260
Chloroform	ug/L	< 1		03/25/03	1	EPA8260
111 Trichloroethane	ug/L	< 1		03/25/03	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		03/25/03	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		03/25/03	1	EPA8260
Benzene	ug/L	< 1		03/25/03	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		03/25/03	1	EPA8260
Trichloroethylene	ug/L	14		03/25/03	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		03/25/03	1	EPA8260
Dibromomethane	ug/L	< 1		03/25/03	1	EPA8260
Bromodichloromethane	ug/L	< 1		03/25/03	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		03/25/03	1	EPA8260
Toluene	ug/L	1		03/25/03	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.03 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0950
MATRIX:Water SAMPLE: DW-5 (Sanitary Pool)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
c-1,3Dichloropropene	ug/L	< 1		03/25/03	1	EPA8260
112 Trichloroethane	ug/L	< 1		03/25/03	1	EPA8260
Tetrachloroethene	ug/L	72		03/25/03	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		03/25/03	1	EPA8260
Chlorodibromomethane	ug/L	< 1		03/25/03	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		03/25/03	1	EPA8260
Chlorobenzene	ug/L	< 1		03/25/03	1	EPA8260
Ethyl Benzene	ug/L	< 1		03/25/03	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		03/25/03	1	EPA8260
m + p Xylene	ug/L	< 2		03/25/03	2	EPA8260
o Xylene	ug/L	< 1		03/25/03	1	EPA8260
Styrene	ug/L	< 1		03/25/03	1	EPA8260
Bromoform	ug/L	< 1		03/25/03	1	EPA8260
Isopropylbenzene	ug/L	< 1		03/25/03	1	EPA8260
Bromobenzene	ug/L	< 1		03/25/03	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		03/25/03	1	EPA8260
123-Trichloropropane	ug/L	< 1		03/25/03	1	EPA8260
n-Propylbenzene	ug/L	< 1		03/25/03	1	EPA8260
2-Chlorotoluene	ug/L	< 1		03/25/03	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		03/25/03	1	EPA8260
4-Chlorotoluene	ug/L	< 1		03/25/03	1	EPA8260
tert-Butylbenzene	ug/L	< 1		03/25/03	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		03/25/03	1	EPA8260
sec-Butylbenzene	ug/L	< 1		03/25/03	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		03/25/03	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 9511 NYSDOH ID # 10320

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.03 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618

ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:0950
MATRIX:Water SAMPLE: DW-5 (Sanitary Pool)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		03/25/03	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		03/25/03	1	EPA8260
n-Butylbenzene	ug/L	< 1		03/25/03	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		03/25/03	1	EPA8260
Dibromochloropropane	ug/L	< 1		03/25/03	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		03/25/03	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		03/25/03	1	EPA8260
Naphthalene(v)	ug/L	< 1		03/25/03	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		03/25/03	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		03/25/03	1	EPA8260
p-Ethyltoluene	ug/L	< 1		03/25/03	1	EPA8260
Freon 113	ug/L	< 1		03/25/03	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		03/25/03	1	EPA8260
Acetone	ug/L	110		03/25/03	10	EPA8260
Methyl Ethyl Ketone	ug/L	15		03/25/03	10	EPA8260
Methylisobutylketone	ug/L	< 10		03/25/03	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		03/25/03	1	EPA8260
p Diethylbenzene	ug/L	< 1		03/25/03	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.03 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:1010
MATRIX:Water SAMPLE: DW-5 (Sanitary Pool)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L	0.006		03/27/03	0.005	EPA200.7
Barium as Ba	mg/L	0.23		03/27/03	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.005		03/27/03	0.005	EPA200.7
Chromium as Cr	mg/L	0.027		03/27/03	0.005	EPA200.7
Lead as Pb	mg/L	0.11		03/27/03	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.001		03/25/03	0.001	EPA245.2
Selenium as Se	mg/L	< 0.004		03/28/03	0.004	EPA200.9
Silver as Ag	mg/L	< 0.005		03/27/03	0.005	EPA200.7
pH (lab)	units	6.5		03/19/03	0.1	EPA150.1

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.04 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:1010
MATRIX:Water SAMPLE: SS-1 (Sanitary Liquid)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluomethane	ug/L	< 1		03/25/03	1	EPA8260
Chloromethane	ug/L	< 1		03/25/03	1	EPA8260
Vinyl Chloride	ug/L	< 1		03/25/03	1	EPA8260
Bromomethane	ug/L	< 1		03/25/03	1	EPA8260
Chloroethane	ug/L	< 1		03/25/03	1	EPA8260
Trichlorofluomethane	ug/L	< 1		03/25/03	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		03/25/03	1	EPA8260
Methylene Chloride	ug/L	< 1		03/25/03	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		03/25/03	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		03/25/03	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		03/25/03	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		03/25/03	1	EPA8260
Bromochloromethane	ug/L	< 1		03/25/03	1	EPA8260
Chloroform	ug/L	< 1		03/25/03	1	EPA8260
1,1,1 Trichloroethane	ug/L	< 1		03/25/03	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		03/25/03	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		03/25/03	1	EPA8260
Benzene	ug/L	< 1		03/25/03	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		03/25/03	1	EPA8260
Trichloroethylene	ug/L	< 1		03/25/03	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		03/25/03	1	EPA8260
Dibromomethane	ug/L	< 1		03/25/03	1	EPA8260
Bromodichloromethane	ug/L	< 1		03/25/03	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		03/25/03	1	EPA8260
Toluene	ug/L	< 1		03/25/03	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 9514 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.04 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:1010
MATRIX:Water SAMPLE: SS-1 (Sanitary Liquid)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		03/25/03	1	EPA8260
,12 Trichloroethane	ug/L	< 1		03/25/03	1	EPA8260
etrachloroethene	ug/L	< 1		03/25/03	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		03/25/03	1	EPA8260
hlorodibromomethane	ug/L	< 1		03/25/03	1	EPA8260
2,2 Dibromoethane	ug/L	< 1		03/25/03	1	EPA8260
Chlorobenzene	ug/L	< 1		03/25/03	1	EPA8260
Ethyl Benzene	ug/L	< 1		03/25/03	1	EPA8260
2112Tetrachloroethane	ug/L	< 1		03/25/03	1	EPA8260
m + p Xylene	ug/L	< 2		03/25/03	2	EPA8260
o Xylene	ug/L	< 1		03/25/03	1	EPA8260
tyrene	ug/L	< 1		03/25/03	1	EPA8260
romoform	ug/L	< 1		03/25/03	1	EPA8260
Isopropylbenzene	ug/L	< 1		03/25/03	1	EPA8260
romobenzene	ug/L	< 1		03/25/03	1	EPA8260
e122Tetrachloroethane	ug/L	< 1		03/25/03	1	EPA8260
123-Trichloropropane	ug/L	< 1		03/25/03	1	EPA8260
n-Propylbenzene	ug/L	< 1		03/25/03	1	EPA8260
-Chlorotoluene	ug/L	< 1		03/25/03	1	EPA8260
35-Trimethylbenzene	ug/L	< 1		03/25/03	1	EPA8260
4-Chlorotoluene	ug/L	< 1		03/25/03	1	EPA8260
ert-Butylbenzene	ug/L	< 1		03/25/03	1	EPA8260
24-Trimethylbenzene	ug/L	< 1		03/25/03	1	EPA8260
sec-Butylbenzene	ug/L	< 1		03/25/03	1	EPA8260
n-Isopropyltoluene	ug/L	< 1		03/25/03	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 9515 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.231193.04 04/02/03

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618

ATTN: Bryan Devaux PO#:

SOURCE OF SAMPLE: Penetrex, Glenwood Landing
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/19/03 RECEIVED:03/19/03
TIME COL'D:1010
MATRIX:Water SAMPLE: SS-1 (Sanitary Liquid)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		03/25/03	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		03/25/03	1	EPA8260
n-Butylbenzene	ug/L	< 1		03/25/03	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		03/25/03	1	EPA8260
Dibromochloropropane	ug/L	< 1		03/25/03	1	EPA8260
1,2,4-Trichlorobenzene (v)	ug/L	< 1		03/25/03	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		03/25/03	1	EPA8260
Naphthalene(v)	ug/L	< 1		03/25/03	1	EPA8260
1,2,3-Trichlorobenzene	ug/L	< 1		03/25/03	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		03/25/03	1	EPA8260
p-Ethyltoluene	ug/L	< 1		03/25/03	1	EPA8260
Freon 113	ug/L	< 1		03/25/03	1	EPA8260
1,2,4,5 Tetramethylbenz	ug/L	< 1		03/25/03	1	EPA8260
Acetone	ug/L	< 10		03/25/03	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		03/25/03	10	EPA8260
Methylisobutylketone	ug/L	< 10		03/25/03	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		03/25/03	1	EPA8260
p Diethylbenzene	ug/L	< 1		03/25/03	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

APPENDIX C

LABORATORY ANALYTICAL REPORTS

ENDPOINT SOIL SAMPLING RESULTS

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (Drywell #1 Endpoint)
Date received: 5/16/03	Laboratory ID: 1009000
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<100
PHENOL	108-95-1	40 ug/kg	<100
2-CHLOROPHENOL	95-57-8	40 ug/kg	<100
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<100
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<100
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<100
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<100
2-METHYLPHENOL	95-48-7	40 ug/kg	<100
HEXACHLOROETHANE	67-72-1	40 ug/kg	<100
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<100
4-METHYLPHENOL	106-44-5	40 ug/kg	<100
NITROBENZENE	98-95-3	40 ug/kg	<100
ISOPHORONE	78-59-1	40 ug/kg	<100
2-NITROPHENOL	88-75-5	40 ug/kg	<100
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<100
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<100
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<100
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<100
NAPHTHALENE	91-20-3	40 ug/kg	<100
4-CHLOROANILINE	106-47-8	40 ug/kg	<100
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<100
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<100
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<100
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<100
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<100
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<100
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<100
2-NITROANILINE	88-74-4	40 ug/kg	<100
ACENAPHTHYLENE	208-96-8	40 ug/kg	<100
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<100
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<100
ACENAPHTHENE	83-32-9	40 ug/kg	<100

MDL = Minimum Detection Limit.
Note: MDL's are raised due to matrix interference.

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (Drywell #1 Endpoint)
Date received: 5/16/03	Laboratory ID: 1009000
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
3-NITROANILINE	99-09-2	40 ug/kg	<100
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<100
DIBENZOFURAN	132-64-9	40 ug/kg	<100
2,4-DINTROTOLUENE	121-14-2	40 ug/kg	<100
4-NITROPHENOL	100-02-7	40 ug/kg	<100
FLUORENE	86-73-7	40 ug/kg	<100
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<100
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<100
4-NITROANILINE	100-01-6	40 ug/kg	<100
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<100
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<100
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<100
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<100
PENTACHLORPHENOL	87-86-5	40 ug/kg	<100
PHENANTHRENE	85-01-8	40 ug/kg	312
ANTHRACENE	120-12-7	40 ug/kg	<100
Di-n-BUTYLPHTHALATE	84-74-2	40 ug/kg	<100
FLUORANTHENE	206-44-0	40 ug/kg	518
PYRENE	129-00-0	40 ug/kg	418
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<100
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<100
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	164
CHRYSENE	218-01-9	40 ug/kg	243
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	40 ug/kg	<100
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<100
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	286
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	112
BENZO-a-PYRENE	50-32-8	40 ug/kg	204
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	177
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<100
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	164

MDL = Minimum Detection Limit.
Note: MDL's are raised due to matrix interference.

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
101-4 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DB-1 {Dist. Box West SS})
Date received: 5/16/03	Laboratory ID: 1009001
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	<40
NITROBENZENE	98-95-3	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40
NAPHTHALENE	91-20-3	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
ACENAPHTHENE	83-32-9	40 ug/kg	<40

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DB-1 {Dist. Box West SS})
Date received: 5/16/03	Laboratory ID: 1009001
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
3-NITROANILINE	99-09-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
2,4-DINTROTOLUENE	121-14-2	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40
4-NITROANILINE	100-01-6	40 ug/kg	<40
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40
PHENANTHRENE	85-01-8	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
Di-n-BUTYLPHTHALATE	84-74-2	40 ug/kg	85
FLUORANTHENE	206-44-0	40 ug/kg	<40
PYRENE	129-00-0	40 ug/kg	<40
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
CHRYSENE	218-01-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	40 ug/kg	227
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40

MDL = Minimum Detection Limit.

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DW-4 {West SW Drywell})
Date received: 5/16/03	Laboratory ID: 1009003
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	<40
NITROBENZENE	98-95-3	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40
NAPHTHALENE	91-20-3	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
ACENAPHTHENE	83-32-9	40 ug/kg	<40

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DW-4 {West SW Drywell})
Date received: 5/16/03	Laboratory ID: 1009003
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
3-NITROANILINE	99-09-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
2,4-DINTROTOLUENE	121-14-2	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40
4-NITROANILINE	100-01-6	40 ug/kg	<40
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40
PHENANTHRENE	85-01-8	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
Di-n-BUTYLPHTHALATE	84-74-2	40 ug/kg	107
FLUORANTHENE	206-44-0	40 ug/kg	<40
PYRENE	129-00-0	40 ug/kg	<40
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
CHRYSENE	218-01-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	40 ug/kg	49
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40

MDL = Minimum Detection Limit.

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DW-5 Eastern San. System)
Date received: 5/16/03	Laboratory ID: 1009004
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	<40
NITROBENZENE	98-95-3	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40
NAPHTHALENE	91-20-3	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
ACENAPHTHENE	83-32-9	40 ug/kg	<40

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DW-5 Eastern San. System)
Date received: 5/16/03	Laboratory ID: 1009004
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
3-NITROANILINE	99-09-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
2,4-DINTROTOLUENE	121-14-2	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40
4-NITROANILINE	100-01-6	40 ug/kg	<40
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40
PHENANTHRENE	85-01-8	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
Di-n-BUTYLPHTHALATE	84-74-2	40 ug/kg	98
FLUORANTHENE	206-44-0	40 ug/kg	<40
PYRENE	129-00-0	40 ug/kg	<40
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
CHRYSENE	218-01-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	40 ug/kg	148
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40

MDL = Minimum Detection Limit.

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (A-1 {West SS Pool})
Date received: 5/16/03	Laboratory ID: 1009002
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8260

Parameter	CAS No.	MDL	Results ug/kg
BENZENE	71-43-2	5 ug/kg	<5
BROMOBENZENE	108-86-1	5 ug/kg	<5
BROMOCHLOROMETHANE	74-97-5	5 ug/kg	<5
BROMODICHLOROMETHANE	75-27-4	5 ug/kg	<5
BROMOFORM	75-25-2	5 ug/kg	<5
BROMOMETHANE	74-83-9	5 ug/kg	<5
n-BUTYLBENZENE	104-51-8	5 ug/kg	<5
sec-BUTYLBENZENE	135-98-8	5 ug/kg	<5
tert-BUTYLBENZENE	98-06-6	5 ug/kg	<5
CARBON TETRACHLORIDE	56-23-5	5 ug/kg	<5
CHLOROBENZENE	108-90-7	5 ug/kg	<5
CHLORODIBROMOMETHANE	124-48-1	5 ug/kg	<5
CHLOROETHANE	75-00-3	5 ug/kg	<5
CHLOROFORM	67-66-3	5 ug/kg	<5
CHLOROMETHANE	74-87-3	5 ug/kg	<5
2-CHLOROTOLUENE	95-49-8	5 ug/kg	<5
4-CHLOROTOLUENE	106-43-4	5 ug/kg	<5
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/kg	<5
1,2-DIBROMOETHANE	106-93-4	5 ug/kg	<5
DIBROMOMETHANE	74-95-3	5 ug/kg	<5
1,2-DICHLOROBENZENE	95-50-1	5 ug/kg	<5
1,3-DICHLOROBENZENE	541-73-1	5 ug/kg	<5
1,4-DICHLOROBENZENE	106-46-7	5 ug/kg	<5
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/kg	<5
1,1-DICHLOROETHANE	75-34-3	5 ug/kg	<5
1,2-DICHLOROETHANE	107-06-2	5 ug/kg	<5
1,1-DICHLOROETHENE	75-35-4	5 ug/kg	<5
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/kg	<5
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/kg	<5
1,2-DICHLOROPROPANE	78-87-5	5 ug/kg	<5
1,3-DICHLOROPROPANE	142-28-9	5 ug/kg	<5
2,2-DICHLOROPROPANE	594-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (A-1 {West SS Pool})
Date received: 5/16/03	Laboratory ID: 1009002
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8260

Parameter	CAS No.	MDL	Results ug/kg
1,1-DICHLOROPROPENE	563-58-6	5 ug/kg	<5
ETHYLBENZENE	100-41-4	5 ug/kg	<5
HEXACHLOROBUTADIENE	87-68-3	5 ug/kg	<5
ISOPROPYLBENZENE	98-82-8	5 ug/kg	<5
p-ISOPROPYLTOLUENE	99-87-6	5 ug/kg	<5
METHYLENE CHLORIDE	75-09-2	5 ug/kg	<5
NAPHTHALENE	91-20-3	5 ug/kg	<5
n-PROPYLBENZENE	103-65-1	5 ug/kg	<5
STYRENE	100-42-5	5 ug/kg	<5
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/kg	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/kg	<5
TETRACHLOROETHENE	127-18-4	5 ug/kg	<5
TOLUENE	108-88-3	5 ug/kg	<5
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/kg	<5
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/kg	<5
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/kg	<5
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/kg	<5
TRICHLOROETHENE	79-01-6	5 ug/kg	<5
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/kg	<5
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/kg	<5
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/kg	<5
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/kg	<5
VINYL CHLORIDE	75-01-4	5 ug/kg	<5
ACETONE	62-64-1	50 ug/kg	<50
CARBON DISULFIDE	75-15-0	5 ug/kg	<5
2-BUTANONE (MEK)	78-93-3	10 ug/kg	<10
VINYL ACETATE	108-05-4	5 ug/kg	<5
2-HEXANONE	591-78-6	5 ug/kg	<5
p & m-XYLENE	1330-20-7	10 ug/kg	<10
o-XYLENE	1330-20-7	5 ug/kg	<5
MTBE	1634-04-4	5 ug/kg	<5

MDL = Minimum Detection Limit.

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DB-1 {Dist. Box West SS})
Date received: 5/16/03	Laboratory ID: 1009001
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8260

Parameter	CAS No.	MDL	Results ug/kg
BENZENE	71-43-2	5 ug/kg	<5
BROMOBENZENE	108-86-1	5 ug/kg	<5
BROMOCHLOROMETHANE	74-97-5	5 ug/kg	<5
BROMODICHLOROMETHANE	75-27-4	5 ug/kg	<5
BROMOFORM	75-25-2	5 ug/kg	<5
BROMOMETHANE	74-83-9	5 ug/kg	<5
n-BUTYLBENZENE	104-51-8	5 ug/kg	<5
sec-BUTYLBENZENE	135-98-8	5 ug/kg	<5
tert-BUTYLBENZENE	98-06-6	5 ug/kg	<5
CARBON TETRACHLORIDE	56-23-5	5 ug/kg	<5
CHLOROBENZENE	108-90-7	5 ug/kg	<5
CHLORODIBROMOMETHANE	124-48-1	5 ug/kg	<5
CHLOROETHANE	75-00-3	5 ug/kg	<5
CHLOROFORM	67-66-3	5 ug/kg	<5
CHLOROMETHANE	74-87-3	5 ug/kg	<5
2-CHLOROTOLUENE	95-49-8	5 ug/kg	<5
4-CHLOROTOLUENE	106-43-4	5 ug/kg	<5
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/kg	<5
1,2-DIBROMOETHANE	106-93-4	5 ug/kg	<5
DIBROMOMETHANE	74-95-3	5 ug/kg	<5
1,2-DICHLOROBENZENE	95-50-1	5 ug/kg	<5
1,3-DICHLOROBENZENE	541-73-1	5 ug/kg	<5
1,4-DICHLOROBENZENE	106-46-7	5 ug/kg	<5
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/kg	<5
1,1-DICHLOROETHANE	75-34-3	5 ug/kg	<5
1,2-DICHLOROETHANE	107-06-2	5 ug/kg	<5
1,1-DICHLOROETHENE	75-35-4	5 ug/kg	<5
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/kg	<5
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/kg	<5
1,2-DICHLOROPROPANE	78-87-5	5 ug/kg	<5
1,3-DICHLOROPROPANE	142-28-9	5 ug/kg	<5
2,2-DICHLOROPROPANE	594-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DB-1 {Dist. Box West SS})
Date received: 5/16/03	Laboratory ID: 1009001
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8260

Parameter	CAS No.	MDL	Results ug/kg
1,1-DICHLOROPROPENE	563-58-6	5 ug/kg	<5
ETHYLBENZENE	100-41-4	5 ug/kg	<5
HEXACHLOROBUTADIENE	87-68-3	5 ug/kg	<5
ISOPROPYLBENZENE	98-82-8	5 ug/kg	<5
p-ISOPROPYLTOLUENE	99-87-6	5 ug/kg	<5
METHYLENE CHLORIDE	75-09-2	5 ug/kg	<5
NAPHTHALENE	91-20-3	5 ug/kg	<5
n-PROPYLBENZENE	103-65-1	5 ug/kg	<5
STYRENE	100-42-5	5 ug/kg	<5
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/kg	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/kg	<5
TETRACHLOROETHENE	127-18-4	5 ug/kg	<5
TOLUENE	108-88-3	5 ug/kg	<5
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/kg	<5
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/kg	<5
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/kg	<5
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/kg	<5
TRICHLOROETHENE	79-01-6	5 ug/kg	<5
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/kg	<5
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/kg	<5
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/kg	<5
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/kg	<5
VINYL CHLORIDE	75-01-4	5 ug/kg	<5
ACETONE	62-64-1	50 ug/kg	<50
CARBON DISULFIDE	75-15-0	5 ug/kg	<5
2-BUTANONE (MEK)	78-93-3	10 ug/kg	<10
VINYL ACETATE	108-05-4	5 ug/kg	<5
2-HEXANONE	591-78-6	5 ug/kg	<5
p & m-XYLENE	1330-20-7	10 ug/kg	<10
o-XYLENE	1330-20-7	5 ug/kg	<5
MTBE	1634-04-4	5 ug/kg	<5

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
101-4 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (A-1 {West SS Pool})
Date received: 5/16/03	Laboratory ID: 1009002
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	<40
NITROBENZENE	98-95-3	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40
NAPHTHALENE	91-20-3	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
ACENAPHTHENE	83-32-9	40 ug/kg	<40

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (A-1 {West SS Pool})
Date received: 5/16/03	Laboratory ID: 1009002
Date extracted: 5/20/03	Matrix: Soil
Date analyzed: 5/20/03	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg
3-NITROANILINE	99-09-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
2,4-DINTROTOLUENE	121-14-2	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40
4-NITROANILINE	100-01-6	40 ug/kg	<40
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40
PHENANTHRENE	85-01-8	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
Di-n-BUTYLPHTHALATE	84-74-2	40 ug/kg	92
FLUORANTHENE	206-44-0	40 ug/kg	<40
PYRENE	129-00-0	40 ug/kg	<40
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
CHRYSENE	218-01-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	40 ug/kg	41
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40

MDL = Minimum Detection Limit.

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (A-1 {West SS Pool})
Date received: 5/16/03	Laboratory ID: 1009002
Date extracted: 5/19, 5/21/03	Matrix: Soil
Date analyzed: 5/19, 5/21/03	ELAP #: 11693

METALS ANALYSIS 8 RCRA

Parameter	MDL	Results mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	<3.33
CADMIUM, Cd	1.00 mg/kg	<1.00
CHROMIUM, Cr	1.65 mg/kg	4.75
MERCURY, Hg	0.020 mg/kg	<0.020
LEAD, Pb	1.65 mg/kg	<1.65
SELENIUM, Se	1.65 mg/kg	<1.65

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

Michael Veraldi-Laboratory Director

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"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
101-4 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DB-1 {Dist. Box West SS})
Date received: 5/16/03	Laboratory ID: 1009001
Date extracted: 5/19, 5/21/03	Matrix: Soil
Date analyzed: 5/19, 5/21/03	ELAP #: 11693

METALS ANALYSIS 8 RCRA

Parameter	MDL	Results mg/kg
SILVER, Ag	1.65 mg/kg	5.79
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	18.4
CADMIUM, Cd	1.00 mg/kg	<1.00
CHROMIUM, Cr	1.65 mg/kg	12.4
MERCURY, Hg	0.020 mg/kg	0.026
LEAD, Pb	1.65 mg/kg	5.28
SELENIUM, Se	1.65 mg/kg	<1.65

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
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101-4 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: PW Grosser	Client ID: Penetrex, Glenwood Cndg. (DW-4 {West SW Drywell})
Date received: 5/16/03	Laboratory ID: 1009003
Date extracted: 5/19/03	Matrix: Soil
Date analyzed: 5/19/03	ELAP #: 11693

TOTAL ARSENIC ANALYSIS

Parameter	MDL	Results mg/kg
ARSENIC, As	1.65 mg/kg	5.18

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

Michael Veraldi-Laboratory Director

APPENDIX D

WASTE MANIFESTS

To Attach Weight Tickets For pentatrax

Transaction No:	Clean Earth of Phila., Inc.	Date	Time	Scale
49944	3201 S. 61st Street	In:		0
	Philadelphia, Pa. 19153	Out: 06/06/2003	11:49	1
	Have a nice day!			

				New Field	
Vehicle ID:	FCI639	Freehold Cartage, Inc	Gross:	38.60	tn
Customer ID:	INN	Innovative Recyc. Tech. Inc.	Tare:	15.75	tn (M)
Material ID:	001	Soil	Net:	22.85	tn
Approval ID:	5839	Pentatrax			

Operator: 3

Operator Signature: _____ Driver Signature: _____

Approval Load Count : 2
Approval Net Weight : 36.25 tn

Transaction No.	Clean Earth of Phila., Inc.		Date	Time	Scale
49952	3201 S. 61st Street	In:	06/06/2003	10:11	1
	Philadelphia, Pa. 19153	Out:	06/06/2003	12:10	1
	Have a nice day!				

			New Field		
Vehicle ID:	FCI675		Gross:	27.86 tn	(M)
Customer ID:	INN	Innovative Recyc. Tech Inc	Tare:	14.35 tn	
Material ID:	001	Soil	Net:	13.51 tn	
Approval ID:	5839	Pentatrax			

Operator: 3

Operator Signature: _____ Driver Signature: _____

Approval Load Count : 4
Approval Net Weight : 71.16 tn

Transaction No.	Clean Earth of Phila., Inc.		Date	Time	Scale
49860	3201 S. 61st Street	In:	06/05/2003	14:04	1
	Philadelphia, Pa. 19153	Out:	06/05/2003	14:32	1
	Have a nice day!				

				New Field	
Vehicle ID:	FCI496	Freehold Cartage	Gross:	31.50 tn	(M)
Customer ID:	INN	Innovative Recyc. Tech Inc	Tare:	18.10 tn	
Material ID:	001	Soil	Net:	13.40 tn	
Approval ID:	5839	Pentatrax			

Operator: 3

Operator Signature: _____ Driver Signature: _____

Approval Load Count : 1
Approval Net Weight : 13.40 tn

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. N/A NJA	Manifest Document No. 02914	2. Page 1 of 1

3. Generator's Name and Mailing Address
Penntrex
1 Shore Road
Glenwood Landing, NY
4. Generator's Phone ( )

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
Trade Winds Environmental	NYR000065169	B. Transporter 1 Phone (631)435-8900
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID S-16648-1055 3
Auchter Industrial Vac Service Inc.	NJD980772768	D. Transporter 2 Phone (908)862-2277
9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
Clean Earth of North Jersey 105 Jacobus Avenue South Kearny, NJ 07032	NJD991291105	F. Facility's Phone (973)344-4004

	11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
GENERATOR	a. Non-D.O.T. / Non R.C.R.A. Regulated Petroleum Soaked Debris. FD27 NJA	03	DM	600	P
	b.	0			
	c.	0			
	d.	0			

G. Additional Descriptions for Materials Listed Above
a) Approval Code 2379443

H. Handling Codes for Wastes Listed Above
TSF Stab

15. Special Handling Instructions and Additional Information
a) IN CASE OF EMERGENCY CONTACT 1-800-282-8701
In case of emergency contact 1-800-282-8701 Return original manifest to TradeWinds
Job Number 9222-80 Spill Number

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Bruce F. MacKay		5	16	03

TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Date Month	Day	Year
		[illegible] Torres		5	16	03
	18. Transporter 2 Acknowledgment of Receipt of Materials	Printed/Typed Name	Signature	Date Month	Day	Year
		William Mersiyk		7	28	03

FACILITY	19. Discrepancy Indication Space	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.	Printed/Typed Name	Signature	Date Month	Day	Year
		RECEIVED FOR REVIEW AND QUALITY CONTROL					

CF14 LABELMASTER® (800) 621-5808 www.labelmaster.com

#9222 6/5/03
5300 Lbs

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: PENETREX, 1 Shore Rd, Glenwood Landing, NY

4. Generator's Phone ( )

5. Transporter 1 Company Name: Teach Woods

6. US EPA ID Number: NYR 000065169

A. State Transporter's ID

B. Transporter 1 Phone: 631 435 8300

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Clean Waters, 3249 Richmond Terrace, Staten Island, NY

10. US EPA ID Number: NYD 000968545

E. State Facility's ID

F. Facility's Phone: 718 981 - 4600

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Oily Water Non DOT / NON RCRA Aq Liquids	1	TT	500	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: #9222 Emerg Cont #: 1800 [illegible] TEACH Woods Invoice

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name	Signature	Date: Month	Day	Year
STEVEN H GORDON	[signature]	6	5	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
AGUSTIN LOPEZ	Agustin Lopez	6	5	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date: Month	Day	Year
[signature]	[signature]	06	05	03

NON-HAZARDOUS WASTE

FUL CESSPOOL SERVICE, INC.

862 LINCOLN AVE., BOHEMIA, NY 11716
631-473-PUMP
(7867)

JOB WORK ORDER

Arrived on job 9:50 A.M./P.M.
Left job 11:00 A.M./P.M.

MECHANIC	HELPER	DATE
Bill M		5/14/03

JOB NAME Glenwood Realty LLC — JOB PHONE

ADDRESS 1 Shore Rd

CITY Glenwood Landing

☐ LATE NIGHT
☐ SUNDAY
☐ HOLIDAY

BILL TO Tookwinds — PHONE (516) 484-1234

ADDRESS

☐ NEW
☐ REFERRAL
☐ REPEAT

PUMPING 3,000 gallons from worksite		
CHEMICALS		
LINE CLEANING		
SINK TUB TOILET		
LABOR		
OTHER		
SUB TOTAL		
TAX		
TOTAL		

Purchaser shall provide access to job site. It shall be the obligation of the Purchaser to inform the Service Company of any above or below ground or hidden perils. The Seller shall not be responsible for damage above or below ground to property or hidden perils. Signor assumes liability representatively and personally for payment of contract amount.

"COLLECTION COSTS" - I agree to pay any cost of collection money I owe under this agreement, including court costs, attorney fees, and any other disbursements not in excess of 18% of the unpaid debt.

DATE PAID _____
CHECK NO. _____
AMT. REC'D. _____
☐ CASH ☐ M.C. ☐ VISA ☐ LEFT BILL

GENERATOR SIGNED STATEMENT

I, _____, hereby affirm that I am the owner, or user, of the Individual Sewage Disposal Facility (septic tank/leaching facilities) located at the address of the invoice and: (1). That the facilities to be pumped contain only sanitary sewage; (2). That I have not been notified by the Suffolk County Department of Health or the Nassau County Department of Health to have this system pumped by a licensed industrial hauler, That neither I nor any person in my family or in my employ have added any chemical solvent waste or industrial wastes of any kind to the facility to be pumped and that I make this Statement knowing that the waste will be disposed of at a Municipal Septage Treatment Facility and that in the event that any chemical solvent waste or industrial waste of any kind have been added, legal action may be undertaken by the appropriate regulatory agency against any or all parties involved.

"I, hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law".

B. Martin 5/14/03
Customer's Signature Date

FUL CESSPOOL SERVICE, INC.

862 LINCOLN AVE., BOHEMIA, NY 11716
631-473-PUMP
(7867)

JOB WORK ORDER

Arrived on job 9:00 A.M. P.M.
Left job 11:00 A.M. P.M.

MECHANIC	HELPER	DATE
Bill M	Scott	5/13/03

JOB NAME: Dog Shrimp - Trade Winds Environmental
JOB PHONE:
ADDRESS: 1 Store Rd
CITY: Glenwood Landing, N.Y.
☐ LATE NIGHT ☐ SUNDAY ☐ HOLIDAY
BILL TO: Trade Winds Environmental
PHONE: 800-282-8701
ADDRESS:
☐ NEW ☐ REFERRAL ☐ REPEAT

PUMPING 3,000 gallons from worksite		
CHEMICALS		
LINE CLEANING		
SINK TUB TOILET		
LABOR		
OTHER		
SUB TOTAL		
TAX		
TOTAL		

DATE PAID Bill out
CHECK NO.
AMT. REC'D.
☐ CASH ☐ M.C. ☐ VISA ☐ LEFT BILL

Purchaser shall provide access to job site. It shall be the obligation of the Purchaser to inform the Service Company of any above or below ground or hidden perils. The Seller shall not be responsible for damage above or below ground to property or hidden perils. Signor assumes liability representatively and personally for payment of contract amount.

"COLLECTION COSTS"- I agree to pay any cost of collection money I owe under this agreement, including court costs, attorney fees, and any other disbursements not in excess of 18% of the unpaid debt.

GENERATOR SIGNED STATEMENT

I, _____, hereby affirm that I am the owner, or user, of the Individual Sewage Disposal Facility (septic tank/leaching facilities) located at the address of the invoice and: (1). That the facilities to be pumped contain only sanitary sewage; (2). That I have not been notified by the Suffolk County Department of Health or the Nassau County Department of Health to have this system pumped by a licensed industrial hauler, That neither I nor any person in my family or in my employ have added any chemical solvent waste or industrial wastes of any kind to the facility to be pumped and that I make this Statement knowing that the waste will be disposed of at a Municipal Septage Treatment Facility and that in the event that any chemical solvent waste or industrial waste of any kind have been added, legal action may be undertaken by the appropriate regulatory agency against any or all parties involved.

"I, hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law".

D F Mulay 5/13/03
Customer's Signature Date