
SITE INVESTIGATION REPORT

WHITE PLAINS FORMER MGP SITE

White Plains, New York

Prepared For:

Consolidated Edison Company of NY, Inc.

31-01 20th Ave, Building 138
Long Island City, NY 11105

Prepared By:

PARSONS

290 Elwood Davis Road, Suite 312
Liverpool, New York 13088
Phone: (315) 451-9560
Fax: (315) 451-9570

REVIEWED AND APPROVED BY:

Project Manager: _____

Date

Technical Manager: _____

Date

FEBRUARY 2004

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Project Manager:	<u>Megan A. Muller</u>	<u>2/6/04</u> Date
Technical Manager:	<u>[Signature]</u>	<u>2/9/04</u> Date

FEBRUARY 2004

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Appendix C NYSDEC/NYSDOH Letters

Appendix D Hydrocarbon Fingerprint Reports

Appendix E TCLP Results

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**APPENDIX A
SANBORN MAPS**

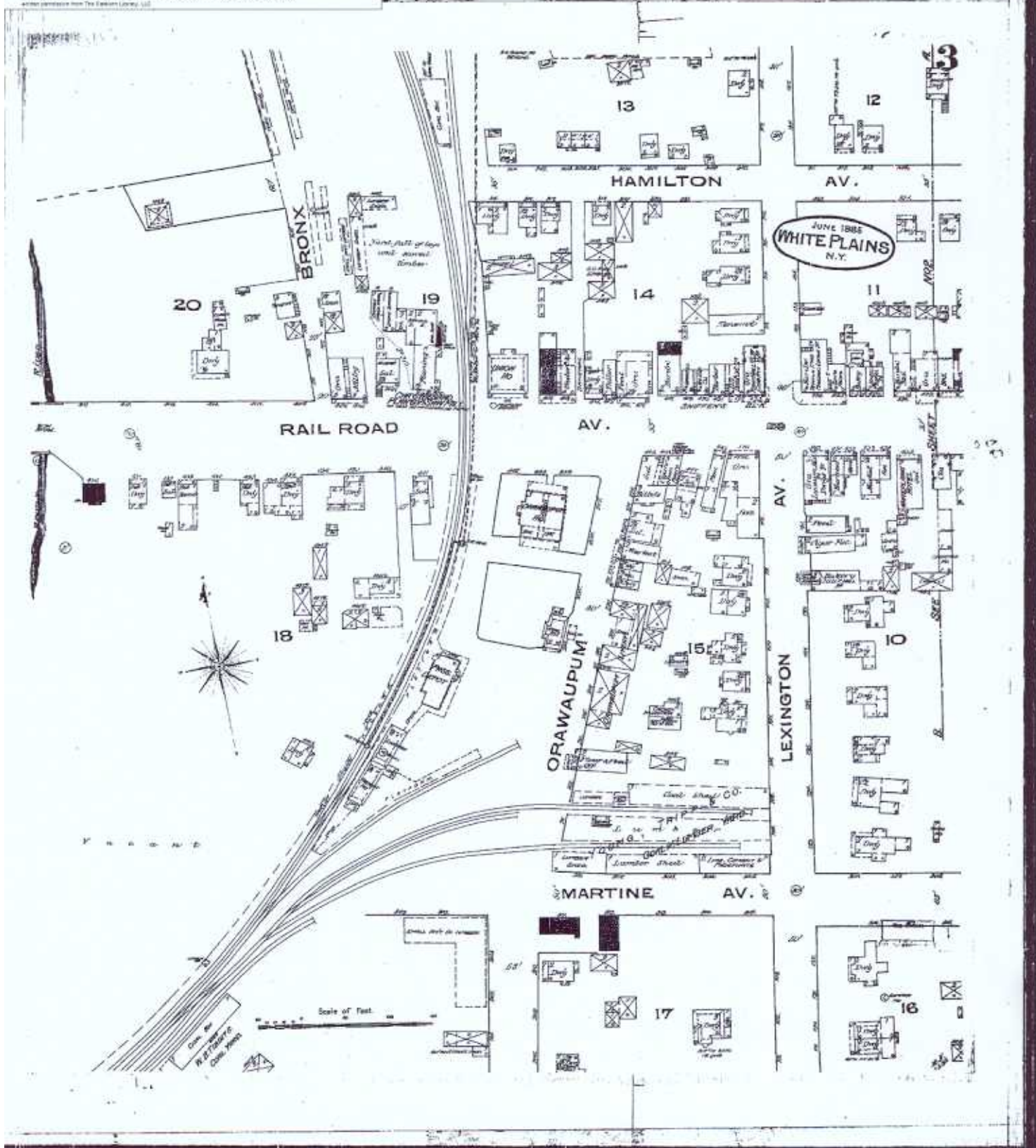


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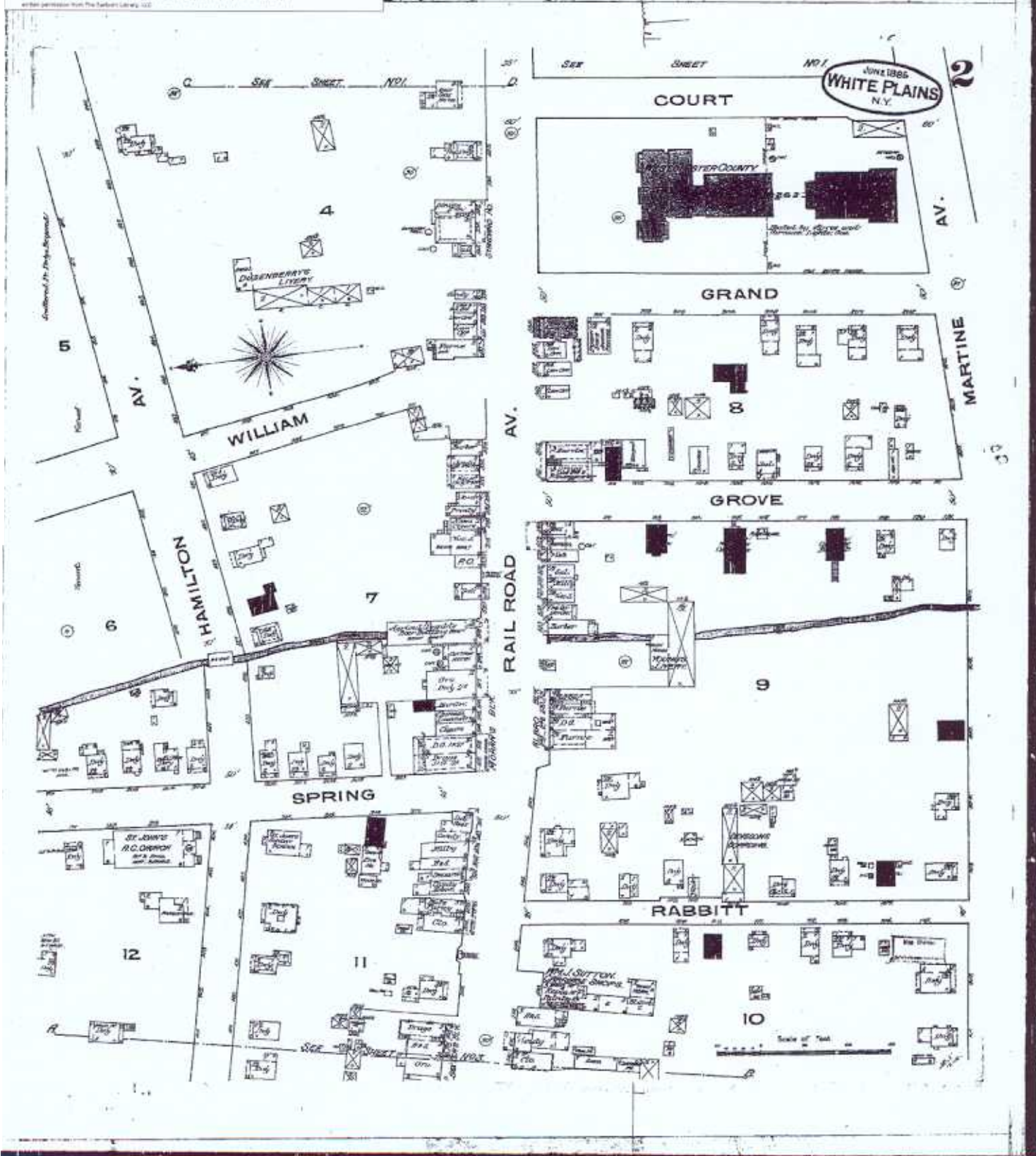


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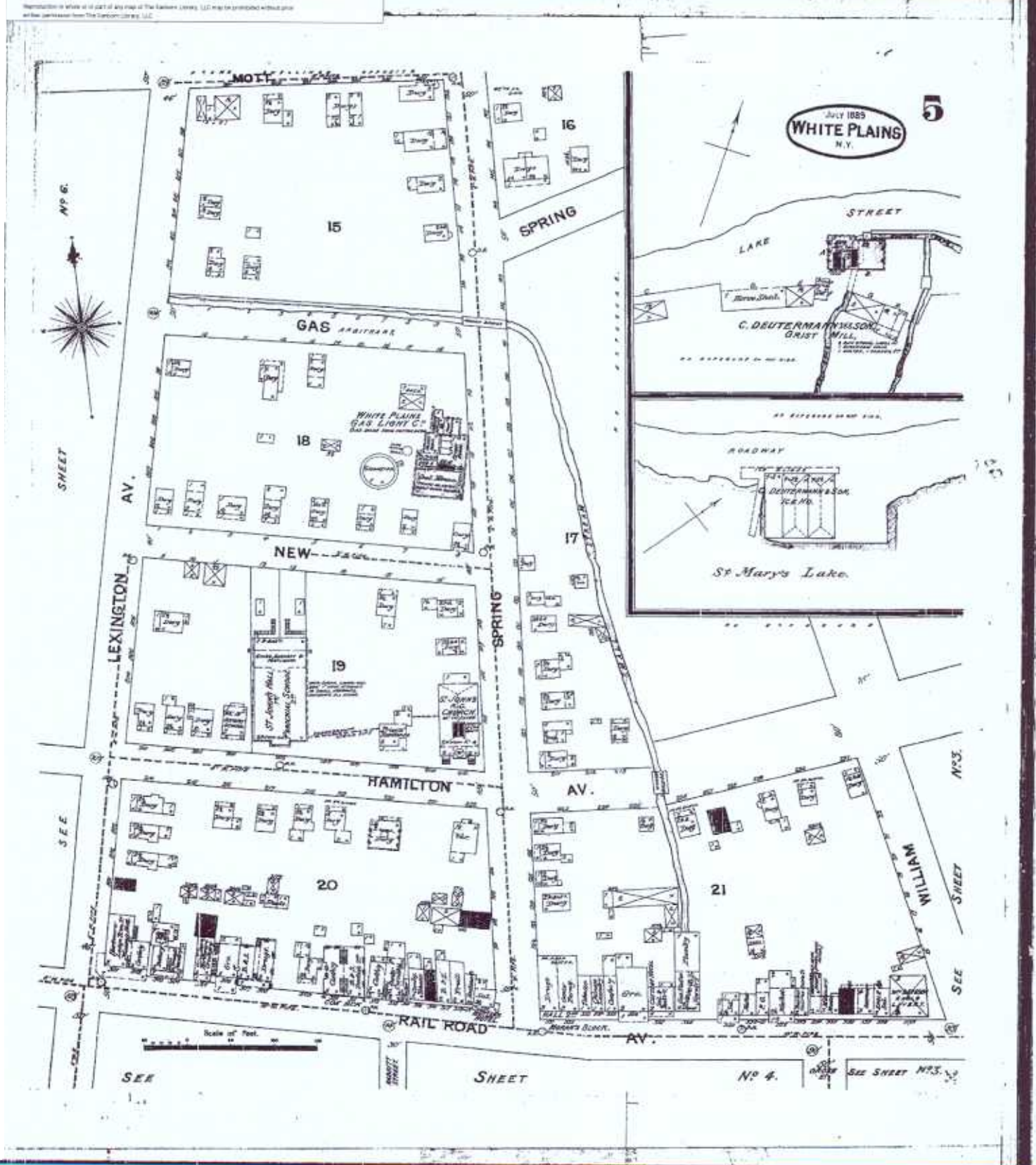


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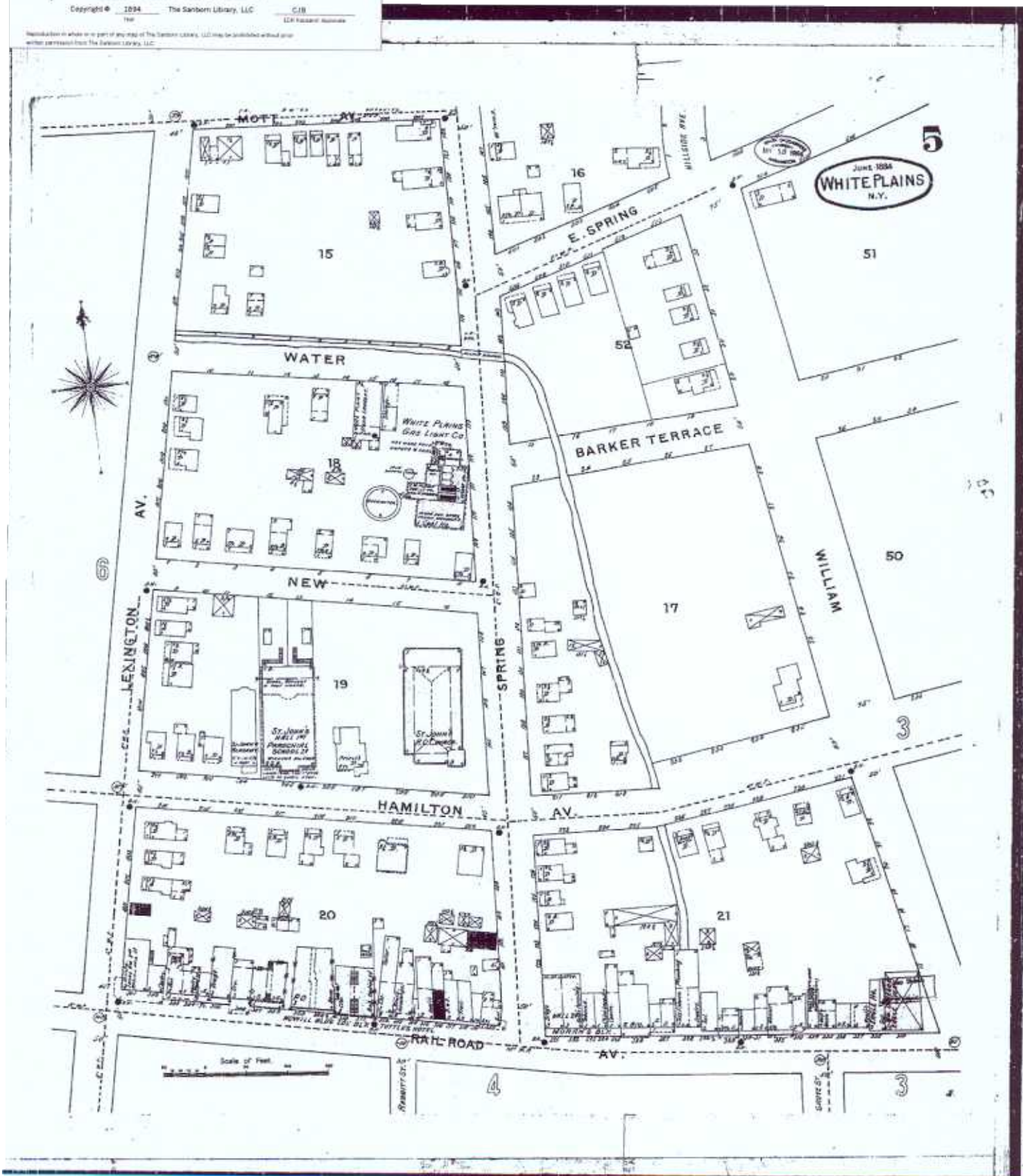


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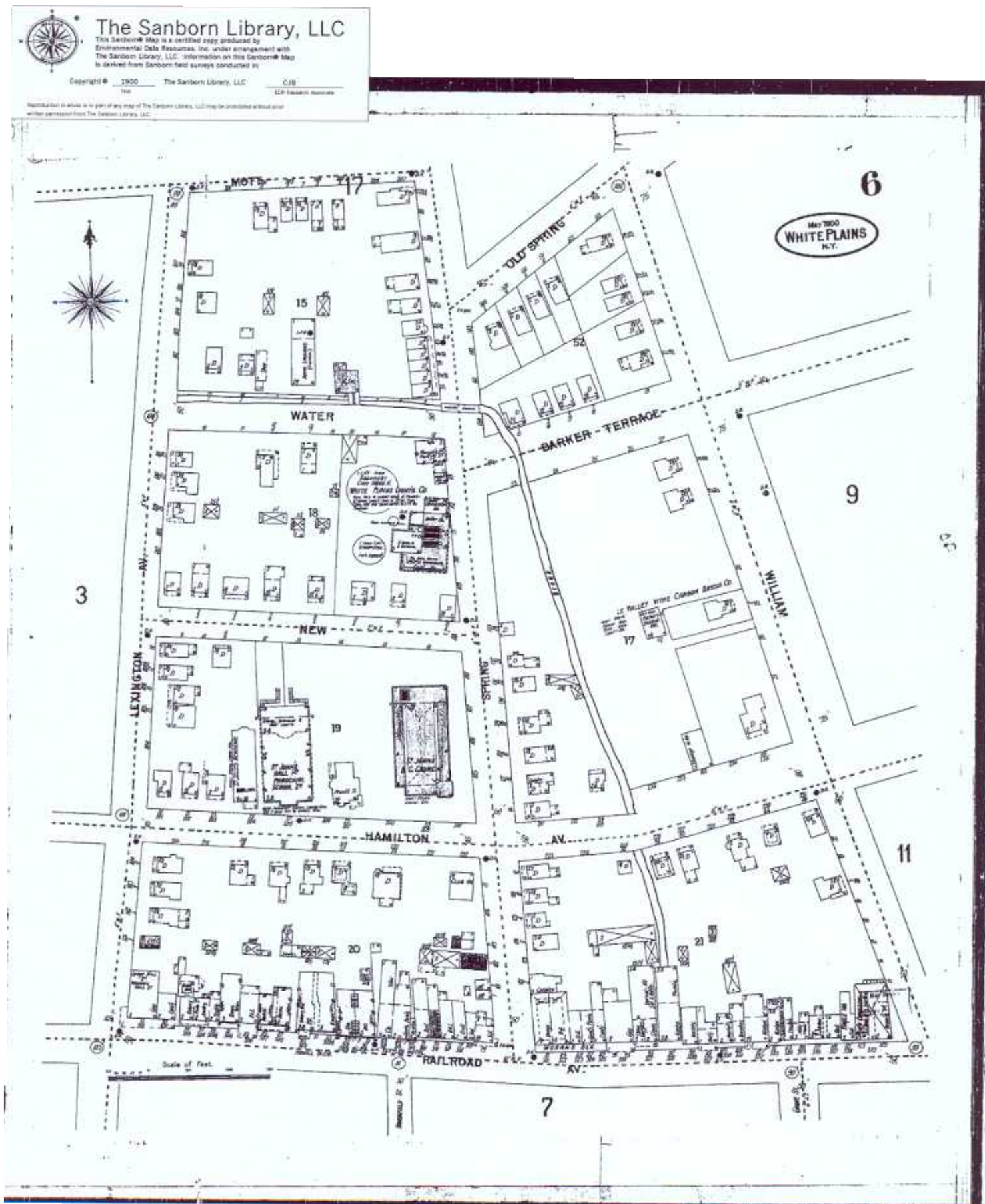
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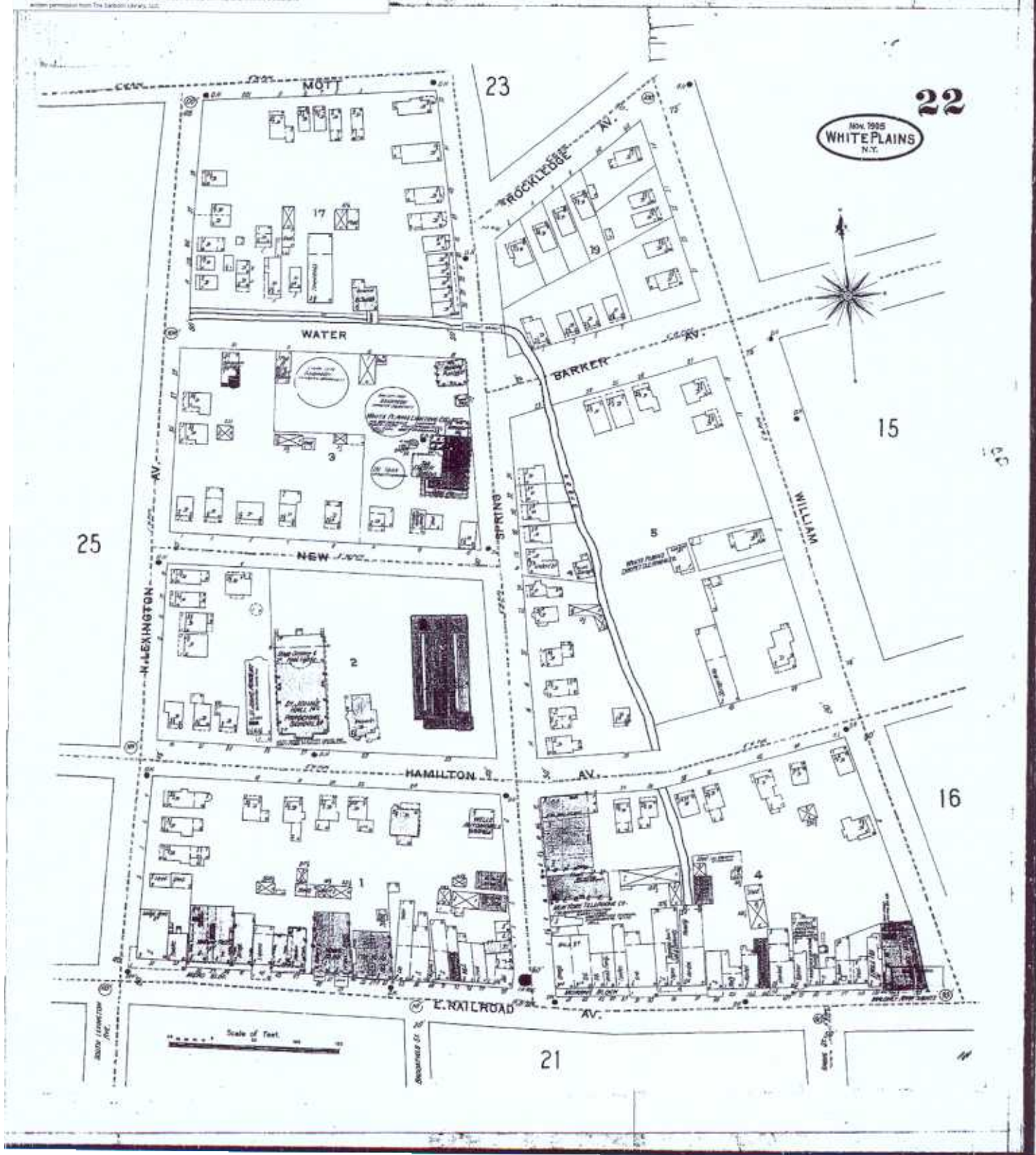


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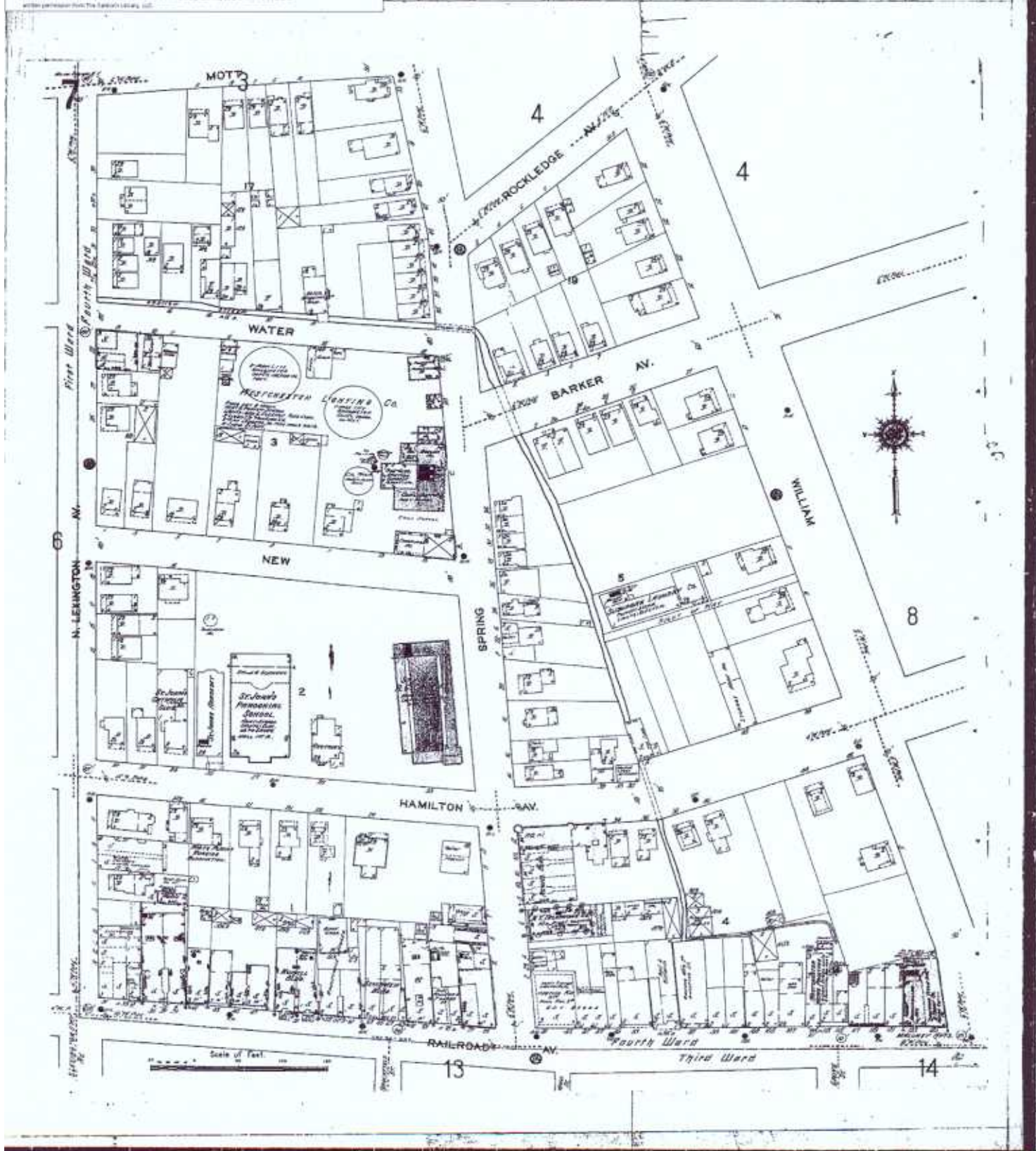


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Waterbury, CT
50
(3-7)

48

RIDGE

MOTT

WATER

WESTCHESTER LIGHTING CO.

NEW

ST. JOHN THE EVANGELIST R.C. CHURCH

46

ROCKLEDGE AV.

BARKER

51

WILLIAM

HAMILTON

RAY

2





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48

RIDGE

MOTT

WATER

NEW

ST. JOHN THE BAPTIST R.C.
CHURCH

HAMILTON

46

ROCKLEDGE AV.

BARKER

51

BY ... 143

50

(3-7)



2

SCALE 1" = 100'

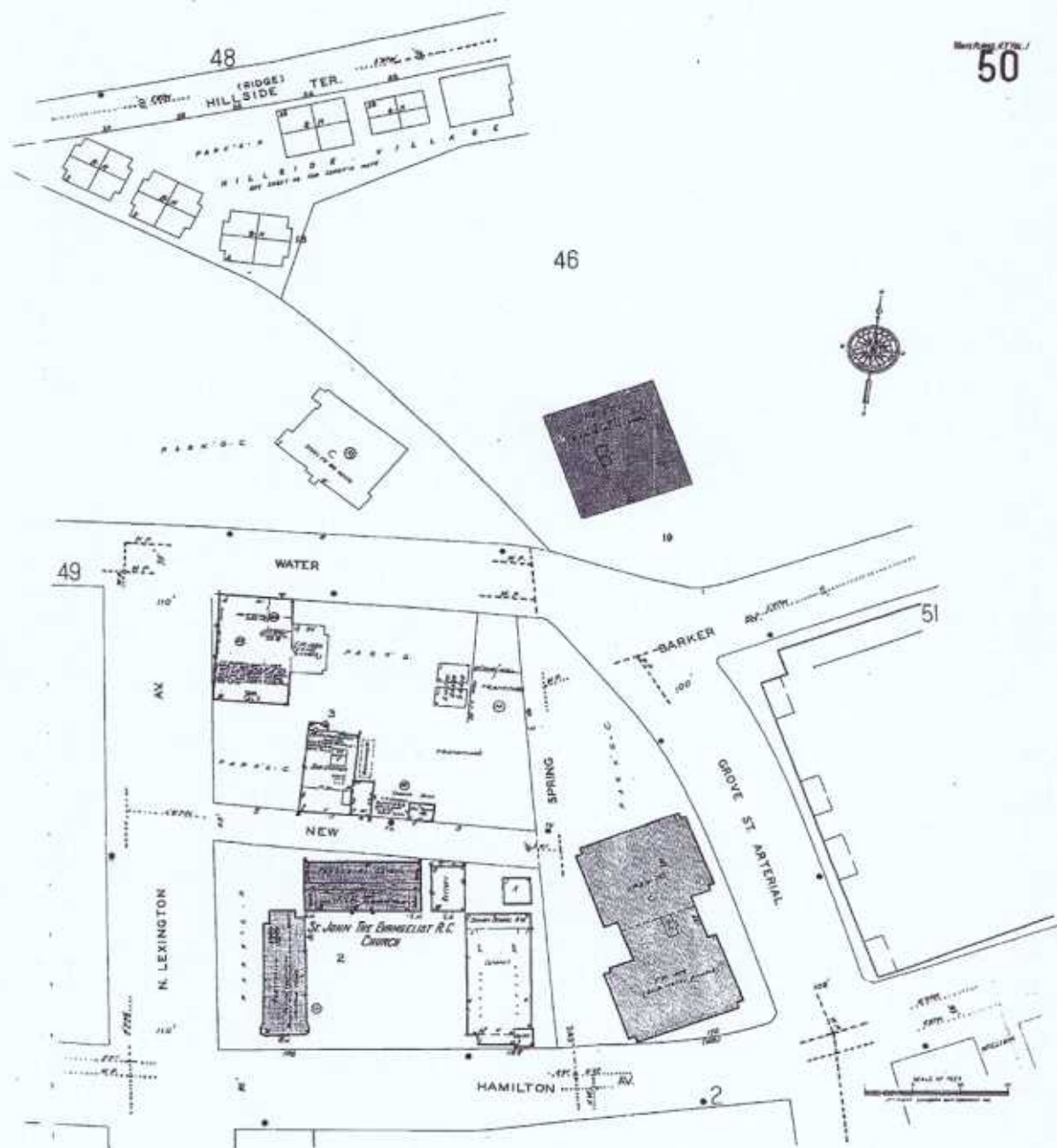


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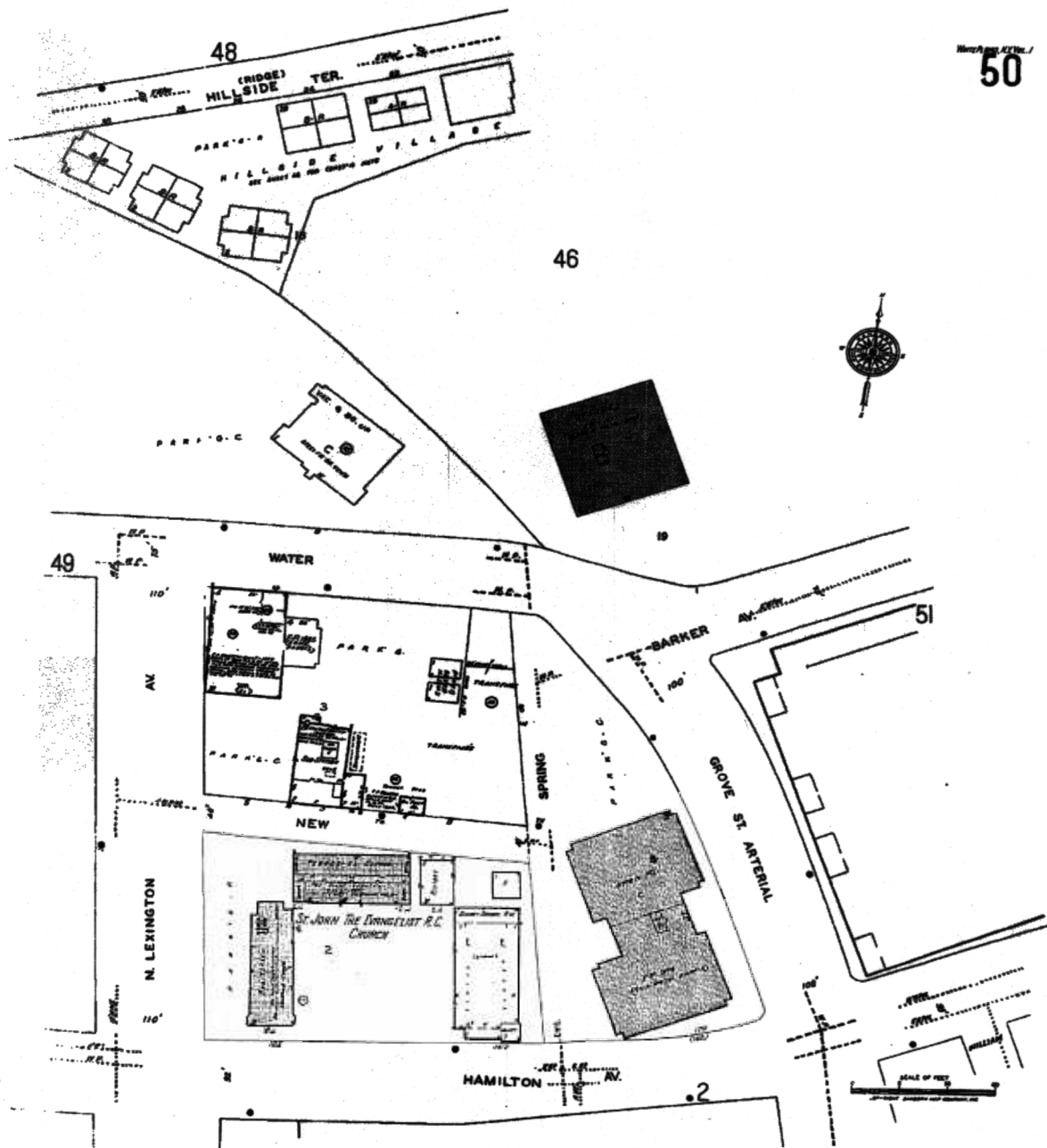


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North Arrow

50

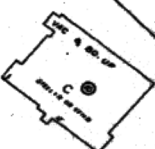
48

(RIDGE) HILLSIDE TER.

HILLSIDE VILLAGE

46

PARK 'C



49

WATER

AV

N. LEXINGTON

NEW

ST. JOHN THE BAPTIST R.C. CHURCH

HAMILTON

BARKER

GROVE ST. ARTERIAL

51

.2

SCALE OF FEET



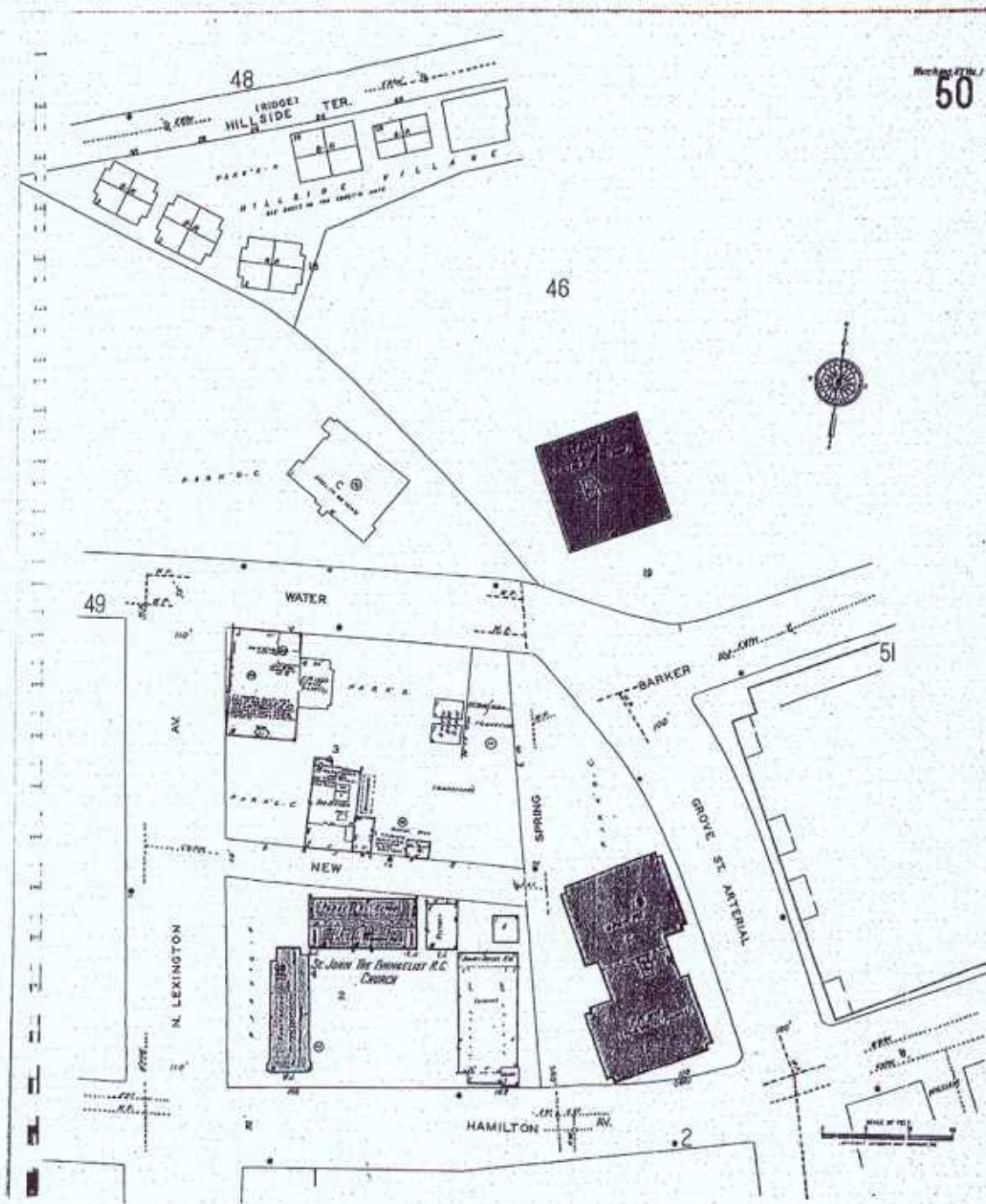


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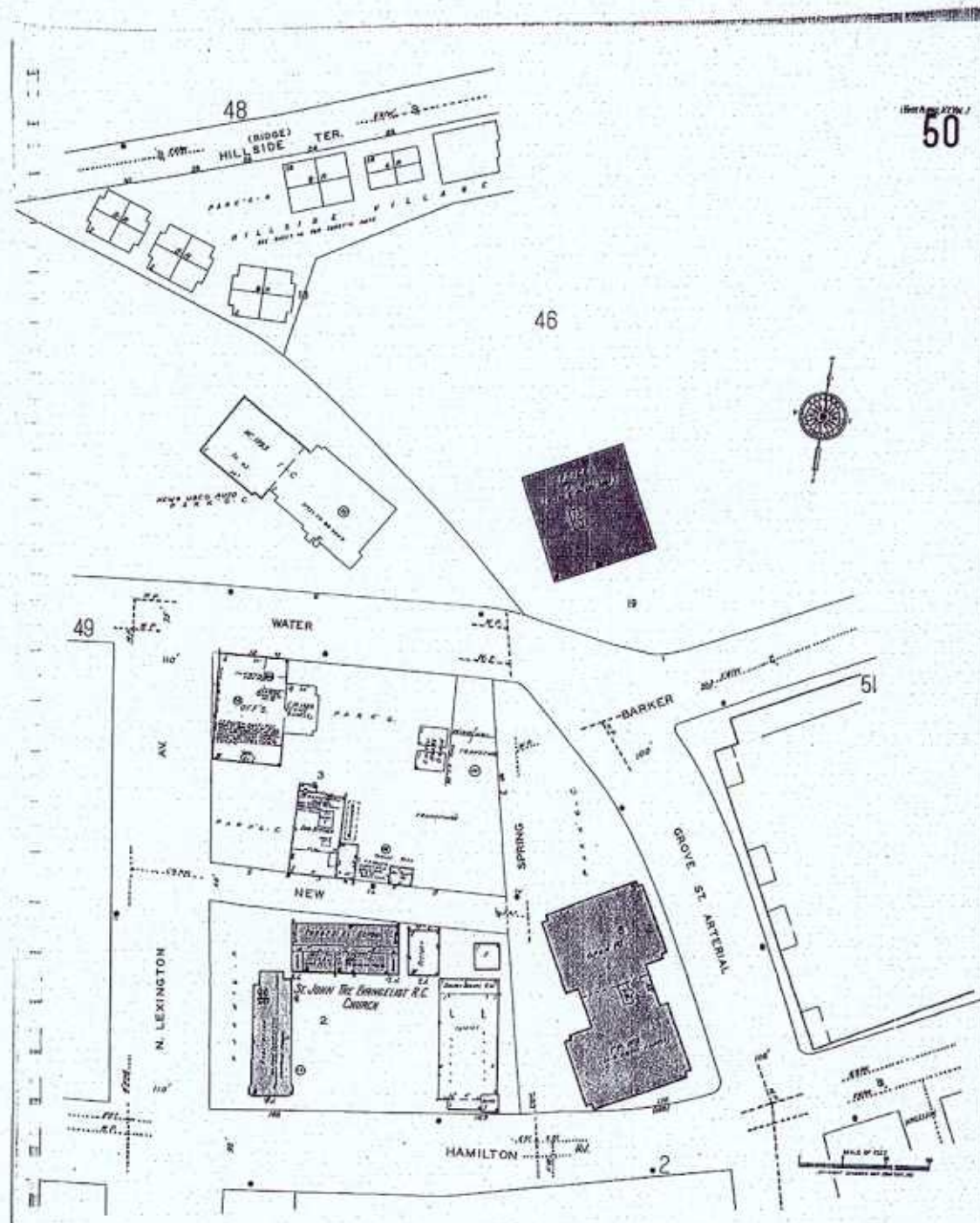
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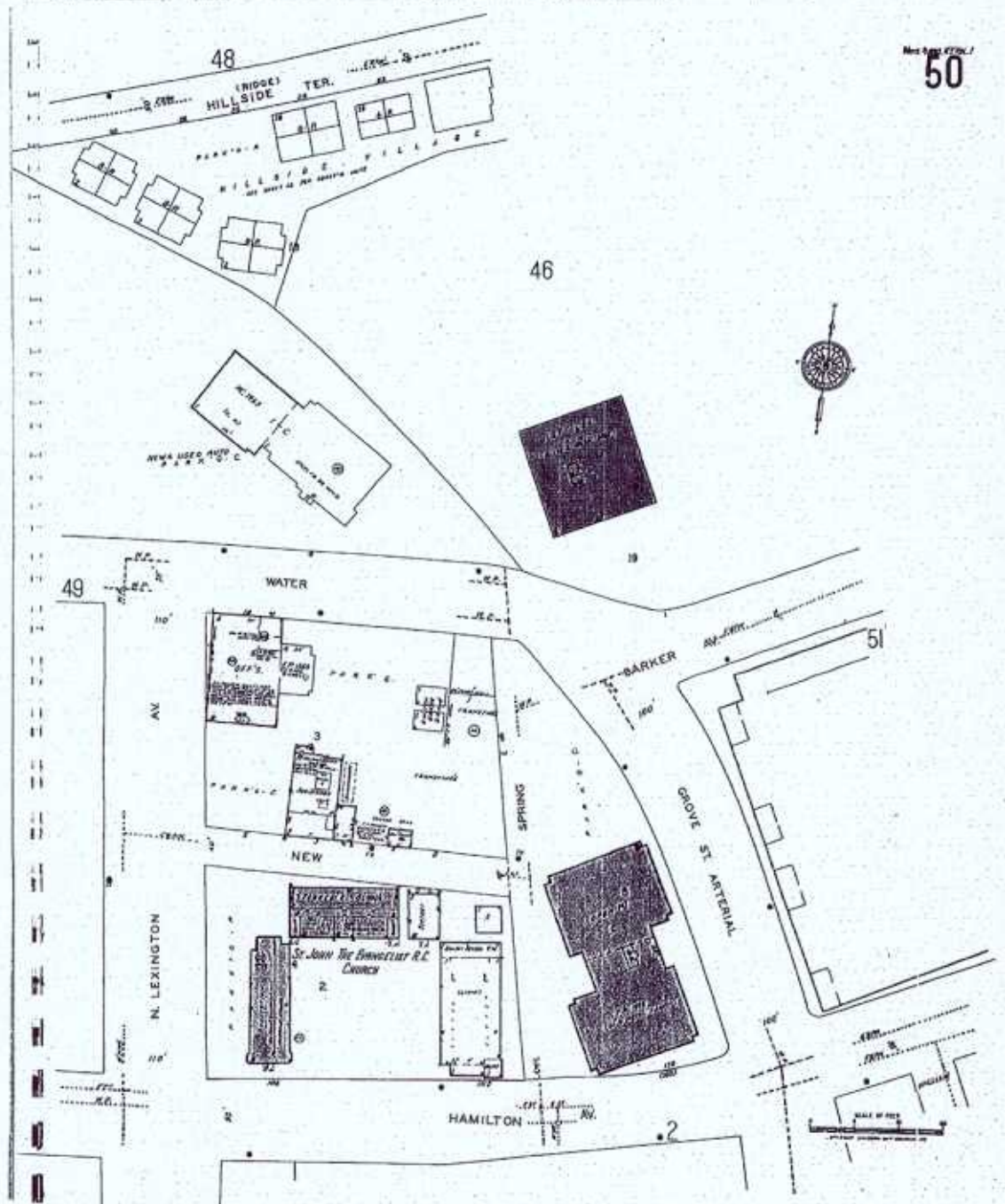
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APPENDIX B BORING LOGS

B-1 Soil Boring Logs

B-2 Monitoring Well Boring Logs

B-3 Geotechnical Boring Logs

B-4 Radiological Boring Logs

**Appendix B-1
Soil Boring Logs**

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental						1 of 1	
Client: Consolidated Edison of New York							
Contractor: EPI			Casing Size: 1 -inch			Boring #: SB-1	
Drilling Method: Remote DP (Dingo)			LEL/O2:			Date Begun: 03/08/00	
Ground Elevation: 189.41 (MSL)			Checked By: MSG			Completed: 03/16/00	
Logged By: DAG			Protection Level: D			Depth to Water: 8 ft bls	

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1					Hand dug to 5 feet				0-1.0' Asphalt	FILL	
2											
3											
4									1'-5' Brown f-c Sand, some f-c gravel, little silt, trace brick, concrete debris		
5									6'-8' Brown f-c Sand, tr silt, tr f-m Gravel		
6	6 - 10	S-1	40/48	0.0					8'-9.5' Black Silt, tr f-m sand, peat		
7											
8				17.0	Strong tar-like odor, visible sheen, staining (8-10 ft)				9.5'-10' Black f-m Sand, tr silt		
9											
10	10 - 14	S-2	48/48	253	Tar-like odor (10-14 ft)				10'-11' Black f-m Sand, tr silt		
11				53.4					11'-12' Black silt, tr f-m Sand organics (peat)		
12									12'-14' Gray-brn f-m Sand, silt layers		
13				343					Gray-brn f-m Sand, tr silt		
14	14 - 18	S-3	36/48	453	Strong odor of light fraction hydrocarbons(14 - 18 feet)						
15											
16											
17											
18	18 - 20	S-4	24/24	377	Staining & hydrocarbon odor (18-20 ft)				18'-18.5' Same as above		
19				204					18.5'-19' Silty fine Sand		
20				32					19'-20' f-c Sand and decomposed rock		
21					Bottom of boring at 20 feet						
22											
23											
24											
25											
26											
27											
28											
29											
30											

Well Screen Filter Pack Divider Seal Annular Seal Surface Seal	1-inch PVC 	20 - 0 	NOTES: Wet soils @ 8 feet. Installed temporary well (1-inch PVC) screened from 20 feet to ground surface. Sample interval at 6-8, 8-10 & 14-18 selected for laboratory analysis.
--	--------------------------------	----------------------------	---

JACQUES WHITFORD COMPANY, INC

Project:				Con Edison: White Plains Environmental				1 of 1					
Client:				Consolidated Edison of New York									
Contractor:		EPI		Casing Size:		3/4 -inch		Boring #.		SB-2			
Drilling Method:		DP (Hurricane)						Date Begun:		08/14/00			
Ground Elevation:				(MSL)		Checked By:		MSG		Completed:		08/14/00	
Logged By:		DAG				Protection Level:		D		Depth to Water:		7 ft bls	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction		
					0 - 6"	6" - 12"	12" - 18"	18" - 24"					
1					Hand dug to 6 feet				0-4" Asphalt	SW			
2				0.0					4"-8" Bluestone				
3									8"-20" Brown,dry,f-c SAND, some f-m Gravel,trace Silt.				
4									20-24" Asphalt & Bluestone				
5									24-48"Similar to 8"-20"				
6													
7	4 - 8	S-1	48/22	69	Moderate staining and odor				Brown,moist to wet,f-c SAND, little f-m Gravel,trace Silt. Bottom	SW			
8					Oily staining and residue on acetate liner from 8-10'				4"Gray,wet,f-m SAND,trace Silt.	SP			
9									8-10',Olive brn,fine sandy SILT,tr clay.	ML			
10									10-11' Gray,f-m SAND,tr Silt.				
11	8 - 12	S-2	48/40	73	Slight staining and odor from 10-15'				11-12' Gray brown,Silty fine Sand.			SM	
12				17					12-14' Similar to 11-12' above.			SM	
13				26					14-15' Gray,f-m SAND,tr Silt.	SP			
14	12 - 16	S-3	48/24	2.9					15-16.5' Dark brown to black,f-m SAND, little f-m Gravel,trace Silt. V.dense, rock fragments,sheen.	SP			
15				2.0									
16				197	Sheen, oily stained soil and strong tar-like odor (oily residue on acetate sleeve) from 15-16.5'								
17					Refusal at 16.5 feet								
18													
19													
20													

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 1					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI			Casing Size: . NA			Boring No. SB-3					
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 06/04/01					
Ground Elevation: 189.63 ft rmsl			Checked By: NOH			Date Completed: 06/04/01					
Logged By: DJL			Protection Level: D			Depth to Water: 11 ft bg					
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt		NA
1	6" - 5			0.0					Brown c-f SAND and Gravel	SW	
2											
3											
4											
5	5 - 8	S-1	36/36	0.0					Org-brn c-f SAND, tr Silt and Gravel. Loose and dry.		
6											
7											
8	8 - 12	S-2	46/48	0.0					Org-brn c-f SAND, tr Silt and Gravel. Loose and dry.		
9											
10				59.0					Blk-stained c-f SAND, tr. Silt.		
11									Mild petroleum-like odor 10-11'.		
12	12 - 16	S-3	24/48	20.0					Gry-stained c-f SAND, tr Silt.		
13									Moderate petroleum-like odor sheen on soil.		
14											
15											
16	16 - 20	S-4	12/48	1.9					Gry-stained c-f SAND, tr Silt, wet. Moderate petroleum-like odor	SM	
17											
18											
19											
20	20 - 24	S-5	15/48	2.0					Gry-stained c-f SAND, tr Silt, wet. Mild petroleum-like odor.		
21											
22											
23											
24	24 - 29.5	S-6	15/48						Gray f SAND, tr Silt, stiff		
25				10.0					Dark grey staining, strong petroleum-like odor. Wet.		
26											
27											
28											
29				65.0	Refusal at 29.5 ft bg						
30											
31											
32											
33											
34											
35											

NOTES:

1) Soil samples from 3-4 ft, 10-11 ft, 28.5-29.5 ft, were submitted for laboratory analysis.
2) Soil Boring was grouted upon completion.
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI							Page: 1 of 1				
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA		Boring No. SB-4				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 06/19/01				
Ground Elevation: 190.58 ft rmsl					Checked By: NOH		Date Completed: 06/19/01				
Logged By: DJL					Protection Level: D		Depth to Water: 13 ft bg				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt		NA
1	6" - 1			10.0					Brown/tan c-f SAND. Trace	SM	
2	1 - 2			9.0					Silt, some Gravel, loose and		
3	2 - 3			11.0					dry.		
4	3 - 4			12.0					Brn-tan m-f SAND, tr Silt.		
5	4 - 8	S-1	36/48	19.0					Tan f SAND, tr Silt, dry.		
6									No staining or odor.		
7											
8	8 - 12	S-2	36/48						Tan-brn m-f SAND, tr Silt.		
9				29.0							
10									Brn-blk-stained m-f SAND,		
11				37.0					tr Silt at 12 ft bg.		
12	12 - 16	S-3	42/48						Brn-blk-stained m-f SAND,		
13				102.0					tr Silt, strong petroleum-like		
14									odor. Wet at 13 feet.		
15				299.0							
16	16 - 20	S-4	42/48						Brn-blk-stained m-f SAND,		
17				367.0					tr Silt, NAPL (16-20'), strong		
18									petroleum-like odor, sheen		
19				294.0					on water and in liner.		
20	20 - 24	S-5	24/48						Stained c-f SAND, tr Silt		
21				107.0					petroleum-like odor, sheen		
22									in water. Wet.		
23				88.0							
24	24 - 28	S-5	24/48						Grey m-f SAND, tr Silt.		
25				67.0					Slight black staining & odor.		
26											
27				77.0							
28	28 - 32	S-6	12/48	56.0					Grey m-f SAND, tr Silt some		
29									black staining, mild odor.		
30											
31											
32	32 - 33.5	S-7	6/18	14.0					Grey m-f SAND, tr Silt.		
33					Refusal at 33.5 ft bg				some Rock Fragments, wet.		
34											
35											
NOTES:											
1) Soil samples from 3-4 ft, 16-18 ft, 32-33 ft were submitted for laboratory analysis.											
2) Soil Boring was grouted upon completion.											
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).											

NOTES:

- 1) Soil samples from 3-4 ft, 16-18 ft, 32-33 ft were submitted for laboratory analysis.
- 2) Soil Boring was grouted upon completion.
- 3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI									Page: 1 of 1		
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA				Boring No. SB-5		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 05/29/01		
Ground Elevation: 189.20 ft rmsl					Checked By: NOH				Date Completed: 05/29/01		
Logged By: DJL					Protection Level: D				Depth to Water: 10 ft bg		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand Dug to 5 ft bg				Asphalt		NA
1	6" - 2			0.0					Brown c-f SAND, tr. Gravel, brick. Loose and dry.	SW	
2	2 - 3			0.0					Dark brown c-f SAND, trace Silt, gravel and brick.	SM	
3	3 - 4			0.0							
4	4 - 5			0.0							
5	5 - 8	S-1	36/36	0.0							
6				0.0							
7									Clayey SAND at 6 - 7 feet.	SM	
8	8 - 12	S-2	36/48								
9											
10				97.0							
11				16.0							
12	12 - 16	S-3	36/48						Gry-brn m-f SAND, tr Silt, strong odor. Wet.	SM	
13											
14				47.0							
15				232.0							
16	16 - 20	S-4	24/48								
17									Black-stained c-m SAND. 1/2-in. thick bands. Strong petroleum-like odor. Wet.	SW	
18				16.0							
19				44.0							
20	20 - 24	S-5	12/48	0.0							
21											
22									Tan c-f SAND. No staining or odor. Wet.	SM	
23											
24	24 - 28	S-6	18/48								
25									Grey stained m-f Silty SAND.	SM	
26											
27				121.0							
28	28 - 30.5	S-7	12/30						Black staining and NAPL at 27-28 feet. Wet. Grey m-f SAND, some Silt, tr. rock and mica chips	SM	
29											
30				6.2	Refusal at 30.5 ft bg.						
31											
32											
33											
34											
35											

NOTES:

1) Soil samples from 2-4 ft, 15-16 ft, 27-28 ft, 29-30 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 1					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA		Boring No. SB-6				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 06/19/01				
Ground Elevation: 188.95 ft rmsl					Checked By: NOH		Date Completed: 06/19/01				
Logged By: DJL					Protection Level: D		Depth to Water: 10 ft bg				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt/Gravel		NA
1	6" - 4			15.0					Brown/black c-f SAND. trace to some Silt, mild odor, loose and dry 0-4'. Black-stained m-f SAND, little Silt, damp petroleum-like odor.	SM	
2				23.0							
3				32.0							
4	4 - 8	S-1	48/48								
5				45.0							
6											
7				177.0							
8	8 - 12	S-2	24/48						Black-stained m-f SAND. little Silt, damp. Strong petroleum-like odor. Wet at 10 feet.	SM	
9				532.0							
10											
11				222.0							
12	12 - 16	S-3	42/48						Black-stained m-f SAND. wet, NAPL at 12-16'.	SW	
13				344.0					Brn/blk stained m-f SAND tr Silt. Sheen in water. moderate petroleum-like odor.	SM	
14											
15				343.0							
16											
17	16 - 20	S-4	12/48	140.0					Brn m-f SAND and Silt, Dry. No staining	SM	
18											
19											
20	20 -24	S-5	6/48	57.0							
21									Brown-tan c-f SAND. Wet. No staining or odor.	SW	
22											
23											
24	24 - 28	S-6	3/48	38.0							
25									Brown m-f SAND No staining or odor.		
26											
27											
28	28 - 32	S-7	24/48								
29				2.6					Brown m-f SAND No staining or odor.		
30											
31				31.0							
32	32 - 36	S-8	18/48	7.1							
33									Grey f SAND and SILT. Wet. No staining of odor.	SM	
34											
35											
					Refusal at 36 ft bg				Rock Fragments in tip of core sampler.		

NOTES:

1) Soil samples from 3-4 ft, 8-10 ft, 12- 14 ft, 34-36 ft, were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC

Project:					Con Edison: White Plains Environmental				1 of 2				
Client:					Consolidated Edison of New York								
Contractor:			EPI		Casing Size:		See note below		Boring #.		SB-7		
Drilling Method:			DP (Hurricane)		LEL/O2:				Date Begun:		08/16/00		
Ground Elevation:					(MSL)		Checked By:		MSG		Completed:	08/16/00	
Logged By:					DAG		Protection Level:		D		Depth to Water:		5 ft bls
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction		
					0 - 6"	6" - 12"	12" - 18"	18" - 24"					
1					Hand dug to 5 feet				0-4" Asphalt	FILL			
2				0.0					4"-16" Bluestone				
3									16"-5' Brown, f-c SAND, some				
4									f-m Gravel, trace Silt. brick,				
5	4 - 8	S-1	24/48	16.7					Grey-brown f-c sand, trace	SP			
6									silt and gravel	SP			
7									Slight odor, no staining				
8													
9	8 - 12	S-2	20/48	11.6					Similar to above				
10									9'-12': grey f-m sand, trace silt	SP			
11									Slight odor, no staining				
12									from 12-17'				
13	12 - 16	S-3	16/48	17.2					Similar to above, trace gravel				
14									intermittent layers of f-c sand	SP			
15									Slight odor, no staining				
16													
17	16 - 20	S-4	30/48						16-17: Similar to above.				
18				288					f-c sand, little f-m gravel, Oily	SP			
19									stained soil, tar-like odor 17-17.4'				
20				9.1					17.4-20' f-m sand, slight odor, no				
21	20 - 24	S-5	24/48	5.4					staining				
22									Similar to above	SP			
23									No staining. Slight odor.				
24													
25	24 - 28	S-6	0/48						No recovery				
26										SP			
27													
28													
29	28-32	S-7	12/48	44.2					Similar to above				
30									No staining. Slight odors.				
Well Screen Filter Pack Divider Seal Annular Seal Surface Seal									NOTES: Soil samples from 2-4 ft, 17-17.4 ft, and 36-39 ft were submitted for laboratory analysis. Soil Boring was grouted upon completion.				

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental				2 of 2					
Client:		Consolidated Edison of New York									
Contractor:		EPI		Casing Size:		3/4-inch		Boring #.		SB-7	
Drilling Method:		DP (Hurricane)		LEL/O2:				Date Begun:		08/16/00	
Ground Elevation:		(MSL)		Checked By:		MSG		Completed:		08/16/00	
Logged By:		AES		Protection Level:		D		Depth to Water:		5 ft bls	

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
30									No recovery Grey f-m sand, trace silt. Slight odors, no staining.		
31											
32											
33	32 - 36	S-8	0/48	--							
34											
35											
36											
37	36-39	S-9	18/36	0							
38											
39			(refusal @ 39 ft below grade)								
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
Annular Seal Well Screen Filter Pack Divider Seal Annular Seal Surface Seal									NOTES: See notes of Page 1 of 2		

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2								
Client: Consolidated Edison of New York, Inc.														
Contractor: EPI					Casing Size: NA					Boring No. SB-8				
Drilling Method: DP (Hurricane)					LEL/O2: NA					Date Started: 05/21/01				
Ground Elevation: 188.82 ft rmsl					Checked By: NOH					Date Completed: 05/21/01				
Logged By: DJL					Protection Level: D					Depth to Water: 4.8 ft bg				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction			
					0 - 6"	6" - 12"	12" - 18"	18" - 24"						
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt		NA			
1	6" - 1			2.2					Brown m-f SAND. Some	SW				
2	1 - 2			2.2					Gravel. Purifier odor.					
3	2 - 3			0.0					Brn m-f SAND, some silt and	SM				
4	3 - 4			0.0					gravel, slight purifier odor.					
5	4 - 5			0.0					Concrete 5.5 - 6.5 ft bg.					
6	6 - 8	S-1	24/24	437.0					Blk stained m-f SAND, tr Silt.	SM				
7				16.7					Strong petroleum-like odor.					
8	8 - 12	S-2	36/48						Grey SILT, trace clay, strong	ML				
9				83.0					petroleum-like odor, wet.					
10														
11				1528.0										
12	12 - 16	S-3	24/48	387.0					Grey SAND, trace silt, strong	SM				
13									odor, damp.					
14				69.0					Grey-brown m-f SAND, strong	SW				
15									odor, damp.					
16	16 - 20	S-4	24/48											
17									Grey-brown m-f SAND,					
18									olive-colored mottling,					
19				15.5					strong odor, damp.					
20	20 - 24	S-5	18/48	0.0					Tan-orange c-f SAND, wet.					
21									No staining or odor.					
22														
23														
24	24 - 28	S-6	18/48	0.0					Tan c-f SAND, wet.					
25														
26														
27														
28	28 - 32	S-7	12/48	0.0					Tan-orange c-f SAND, wet.					
29														
30														
31														
32	32 - 36	S-8	6/48	0.0					Tan m-f SAND, wet.					
33														
34														
35														

NOTES:

1) Soil samples from 2-3 ft, 10-11 ft, and 46-48 ft were submitted for laboratory analysis.

2) Elevation is in feet relative to site datum (ft rmsl).

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-8			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 05/21/01			
Ground Elevation: 188.82 ft rmsl			Checked By: NOH			Date Completed: 05/21/01			
Logged By: DJL			Protection Level: D			Depth to Water: 4.8 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
36	36 - 40	S-9	24/48	0.0					Olive-grey m-f SAND, wet.	SW	NA
37											
38											
39											
40	40 - 44	S-10	12/48	0.0					Grey m-f SAND, wet, slight odor at tip of core sampler.		
41											
42											
43											
44	44 - 48	S-11	18/48	0.0					Grey m-f SAND, some Gravel and cobbles, wet, no staining or odor.		
45											
46											
47											
48	48 - 52	S-12	24/48	0.0					Grey m-f SAND, some Gravel and cobbles, wet, no staining or odor.		
49											
50											
51					Refusal @ 52 ft bg						
52											
53											
54											
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											

NOTES:

1) Soil samples from 2-3 ft, 10-11 ft, and 46-48 ft were submitted for laboratory analysis.
2) Elevation is in feet relative to site datum (ft rmsl).
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2	
Client: Consolidated Edison of New York, Inc.							
Contractor: EPI			Casing Size: NA		Boring No. SB-9		
Drilling Method: DP (Hurricane)			LEL/O2: NA		Date Started: 05/29/01		
Ground Elevation: 189.78 ft rmsl			Checked By: NOH		Date Completed: 05/30/01		
Logged By: DJL			Protection Level: D		Depth to Water: 11 ft bg		

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 4"				Hand Dug to 5 ft bg				Asphalt		NA
1	4" - 2			0.0					Brown c-f SAND. Gravel.	SW	
2									Loose and dry.		
3	2 -7.5								Concrete 2.5 to 7.5 ft bg.		
4											
5											
6											
7											
8	8 -12	S-1	36/48						Gry-blk stained m-f SAND, trace Silt.	SM	
9				689.0					f SAND and little Clay/Silt. Wet at 11 feet.		
10				545.0							
11									Olive-grey stained c-f SAND. Wet. Strong odor. Wood chunk at 13.5 ft bg.		
12	12 - 16	S-2	24/48	353.0							
13											
14											
15											
16	16 - 20	S-3	24/48	130.0					Olive-grey stained c-f SAND. Wet. Strong odor.	SW	
17									Tan c-f SAND, wet. No staining or odor		
18											
19											
20	20 - 24	S-4	24/48								
21				9.8							
22									No Recovery.		
23				15.6							
24	24 - 28	S-5	0/48								
25											
26											
27									Tan c-f SAND, wet.		
28	28 -32	S-6	18/48								
29				9.8							
30											
31				13.4							
32	32 - 36	S-7	12/48	7.3					Tan c-f SAND, wet.		
33											
34											
35											

NOTES:

1) Soil samples from 2-4 ft, 9-10 ft, 10 -12 ft, 40-44 ft b.g.were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-9			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 05/29/01			
Ground Elevation: 189.78 ft rmsl			Checked By: NOH			Date Completed: 05/30/01			
Logged By: DJL			Protection Level: D			Depth to Water: 11 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
36	36 - 40	S-8	24/48						Tan c-f SAND, wet.	SW	NA
37				14.7							
38											
39				11.0							
40	40 -43.5	S-9	12/46	6.1					Grey f-m SAND, tr. Silt	SM	
41											
42											
43											
44									Refusal @ 43.5 ft bg		
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											

NOTES:

1) Soil samples from 2-4 ft, 9-10 ft, 10 -12 ft, 40-44 ft b.g.were submitted for laboratory analysis.
2) Soil Boring was grouted upon completion.
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA					Boring No. SB-10	
Drilling Method: DP (Hurricane)					LEL/O2: NA					Date Begun: 06/26/01	
Ground Elevation: 190.21 ft rmsl					Checked By: NOH					Completed: 06/26/01	
Logged By: DJL					Protection Level: D					Depth to Water: 12 ft bg	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt	NA	
1	6" - 3			17.5					Brown c-f SAND. Loose and dry. Some gravel.		
2				6.9					Brn m-f SAND, tr Silt, brick.		
3	3 - 4			18.2					Blk staining/odor at 3 ft bg.		
4	4 - 8	S-1	24/48						Brn f-c SAND, tr Gravel, Silt		
5				80.1					brick & coal. Spotty black staining. Odor.		
6									Grey-black m-f SAND, tr Silt.		
7				247.0					Mild petroleum-like odor.		
8	8 - 12	S-2	42/48								
9											
10											
11				316.0					Wet at 12 ft bg.		
12	12 - 16	S-3	36/48						Gry-stained m-f SAND, tr Silt.		
13				284.0					Staining and strong odor.		
14									NAPL at 13 -14 feet. Wet.		
15				46.6						SW	
16	16 -20	S-4	30/48						Grey-tan c-f SAND, No staining or odor. Wet.		
17				9.9							
18											
19				8.1							
20	20 -24	S-5	30/48						Grey and tan m-f SAND Wet.		
21				6.9							
22											
23				5.6							
24	24 - 28	S-6	12/48						Grey and tan m-f SAND. Wet.		
25				7.7							
26											
27				7.9							
28	28 -32	S-7	6/48						Brown-tan m-f SAND. No staining or odors. Wet.		
29				26.1							
30											
31				26.5							
32	32 -36	S-8	18/48						Stained m-f SAND, NAPL and sheen in soil and on liners 32-36'. Strong petroleum-like odor. Wet.		
33				24.9							
34											
35				176.0							
NOTES: 1) Soil samples from 3-4 ft, 12- 14 ft, 45-47 ft were submitted for laboratory analysis. 2) Soil Boring was grouted upon completion. 3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).											

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-10			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Begun: 06/26/01			
Ground Elevation: 190.21 ft rmsl			Checked By: NOH			Completed: 06/26/01			
Logged By: DJL			Protection Level: D			Depth to Water: 12 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction		
					0 - 6"	6" - 12"	12" - 18"	18" - 24"					
36	36 - 40	S-9	18/48						Grey f SAND and SILT. Wet. No staining or odor.	SM	NA		
37				26.2									
38													
39				20.1									
40	40 - 44	S-10	36/48						Grey f SAND and SILT. Wet. No staining or odor.				
41				19.6									
42													
43				22.4									
44	44 - 47	S-11	12/36						Grey f SAND and SILT, tr Rock fragments. Slight staining and odor in tip.				
45													
46				16.9	Refusal at 47 ft bg								
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													

NOTES:

1) Soil samples from 3-4 ft, 12- 14 ft, 45-47 ft were submitted for laboratory analysis.
2) Soil Boring was grouted upon completion.
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA		Boring No. SB-11				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 06/01/01				
Ground Elevation: 191.08 ft rmsl					Checked By: NOH		Date Completed: 06/01/01				
Logged By: DJL					Protection Level: D		Depth to Water: 12 ft bg				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt		NA
1	6" - 2			20.0					Brown c-m SAND. Gravel.	SW	
2	2 - 3			16.0							
3	3 - 4			8.5					Dark brown c-f SAND. Trace Gravel, some Silt.	SM	
4	4 - 5			15.0					Tan-orange c-f SAND.		
5	5 - 6			11.0					Tan m-f SAND.		
6	6 - 8	S-1	24/24	15.0					Rust colored spotting.		
7				10.0							
8	8 - 12	S-2	24/48						Tan m-f SAND, Mild odor.		
9				31.0							
10											
11				43.0							
12	12 - 16	S-3	24/48						Gry-blk stained c-f wet SAND, strong odor, oily residue on core sampler sleeve 12-16'.		
13				320.0							
14											
15				594.0							
16	16 - 20	S-4	18/48						Grey m-f SAND. Petroleum-like odor, no staining or visible product.	SW	
17				24.0							
18											
19				35.0							
20	20 - 24	S-5	24/48						Grey-tan m-f SAND, mild petroleum-like odor. Wet.		
21				30.0							
22											
23				10.0							
24	24 - 28	S-6	24/48	19.0					Dark tan m-f SAND. Wet.		
25											
26											
27											
28	28 - 32	S-7	12/48	13.0					Dark tan m-f SAND. Wet.		
29											
30											
31											
32	32 - 36	S-8	24/48	23.0					Tan-grey c-f SAND. Wet.		
33											
34											
35											

NOTES:

1) Soil samples from 2-4 ft, 6-8 ft, 14-16 ft, 44-46 ft and 54-56 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2								
Client: Consolidated Edison of New York, Inc.														
Contractor: EPI					Casing Size: NA					Boring No. SB-11				
Drilling Method: DP (Hurricane)					LEL/O2: NA					Date Started: 06/01/01				
Ground Elevation: 191.08 ft rmsl					Checked By: NOH					Date Completed: 06/01/01				
Logged By: DJL					Protection Level: D					Depth to Water: 12 ft bg				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction			
					0 - 6"	6" - 12"	12" - 18"	18" - 24"						
36	36 - 40	S-9	24/48	0.0					Tan-grey c-f SAND. Wet.	SW	NA			
37														
38														
39														
40	40 - 44	S-10	36/48	0.0					Tan-grey c-f SAND. Wet.					
41														
42														
43														
44	44 - 48	S-11	18/48						Auburn-blk NAPL-saturated fine SAND (44-48'),	SM				
45				1110.0					trace Silt, strong					
46									petroleum-like odor. Wet.					
47				90.0					Grey f SAND tr Silt ,					
48	48 - 52	S-12	24/48						no staining, odor, or product.					
49				86.0										
50														
51				19.0										
52	52 - 56	S-13	24/48						Grey f SAND tr Silt ,					
53				1.9					no staining, odor, or product.					
54														
55				21.0										
56	56 - 60	S-14	12/48	11.0					Rock fragments. No staining or product. Slight sheen on cutting shoe.					
57														
58														
59					Refusal at 60 ft bg									
60														
61														
62														
63														
64														
65														
66														
67														
68														
69														
70														

NOTES:

1) Soil samples from 2-4 ft, 6-8 ft, 14-16 ft, 44-46 ft and 54-56 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2	
Client: Consolidated Edison of New York, Inc.							
Contractor: EPI			Casing Size: NA		Boring No. SB-12		
Drilling Method: DP (Hurricane)			LEL/O2: NA		Date Started: 06/18/01		
Ground Elevation: 190.72 ft rmsl			Checked By: NOH		Date Completed: 06/18/01		
Logged By: DJL			Protection Level: D		Depth to Water: 12 ft bg		

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt		NA
1	6" - 2			2.3					Brn c-f SAND and GRAVEL	SW	
2	2 - 4			2.1					Dark brown m-f SAND, tr. Silt, Loose and dry.	SM	
3											
4	4 - 8	S-1	36/48	12.3					Brown/tan c-f SAND, Loose and dry.	SW	
5											
6											
7				18.5							
8	8 - 12	S-2	30/48						Tan m-f SAND, tr Silt. Dry.	SM	
9				36.4							
10									Black-stained f SAND at 12 feet. Strong odor. Wet.		
11				261.0					Grey m-f SAND, Wet.		
12	12 - 16		36/48						Brown NAPL at 12-15 feet.		
13				296.0							
14											
15				327.0							
16	16 - 20		30/48						Gry m-f SAND, some gravel. No staining.	SW	
17				93.0							
18											
19				188.0							
20	20 -24		30/48						Grey-brown c-f SAND, Wet. No staining or odor.		
21				13.0							
22											
23				9.0							
24	24 - 28		12/48						Grey-brown c-f SAND, Wet. No staining or odor.		
25				8.1							
26											
27				11.4							
28	28 - 32		6/48	14.7					Grey-brown c-f SAND, Wet. No staining or odor.		
29											
30											
31											
32	32 - 36		12/48	6.3					Grey-brown c-f SAND, Wet. No staining or odor.		
33											
34											
35											

NOTES:

1) Soil samples from 2-4 ft, 14-16 ft, 42-44 ft, 48-52 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-12			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 06/18/01			
Ground Elevation: 190.72 ft rml			Checked By: NOH			Date Completed: 06/18/01			
Logged By: DJL			Protection Level: D			Depth to Water: 12 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
36	36 - 40		12/48						Black c-f SAND.	SW	NA
37									No staining or odor. Wet.		
38											
39				7.4							
40	40 - 44		18/48						Blk-stained m-f SAND, NAPL, sheen and strong odor 40-44'. Wet.		
41											
42				102.0							
43				185.0							
44	44 - 48		24/48						Slightly blk-stained f SAND, some Silt, mild odor, Wet.	SM	
45				12.7							
46											
47				7.3							
48	48 - 52		12/48	6.3					Grey f SAND. Wet.	SW	
49									Rock fragments. No staining or odor.		
50											
51					Refusal at 52 ft bg						
52											
53											
54											
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											

NOTES:

1) Soil samples from 2-4 ft, 14-16 ft, 42-44 ft, 48-52 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rml).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 1					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA		Boring No. SB-13				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 06/04/01				
Ground Elevation: 196.42 ft rmsl					Checked By: NOH		Date Completed: 06/04/01				
Logged By: DJL					Protection Level: D		Depth to Water: 12 ft bg				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt		NA
1	6" - 2			0.0					Org-brn c-f SAND and Gravel, trace Silt.	SW	
2	2 - 5			0.0							
3											
4											
5	5 - 8	S-1	24/36	0.0					Orange-brown c-f SAND, trace Silt, loose and dry.		NA
6											
7											
8	8 - 12	S-2	48/48								
9									Orange-brown c-f SAND, trace Silt, grey staining, loose and dry.		
10											
11				36.0						Wet at 12 ft bg.	
12	12 - 16	S-3	38/48								
13				270.0					Orange-brown c-f SAND, trace Silt, loose and dry, Oily residue on liner 12-16'.		
14											
15										Sheen and strong odor.	
16	16 - 20	S-4	30/48								
17									Blk/gry-stained f-m SAND, tr Silt. Moderate petroleum-like odor. Wet.		
18				35.0							
19											
20	20 - 24	S-5	30/48								
21									Blk/gry-stained f-m SAND, tr Silt. Moderate petroleum-like odor. Wet.	SM	
22											
23				15.0							
24	24 - 28	S-6	4/48	12.0							
25									Grey-stained f-m SAND, tr Silt. Moderate petroleum-like odor. Wet.		
26											
27											
28	28 - 32	S-7	48/48								
29									Blk/gry-stained c-f SAND, Heavy sheen and oily residue on liner 28-32'. Strong petroleum-like odor. Wet.		
30											
31				362.0							
32	32 - 34.5	S-8	30/30	77.0							
33									Grey-stained f SAND. Mod. petroleum-like odor.		
34	34.5 - 35	S-9	6/6								
35					Refusal at 35 ft bg				Grey SILT, trace f Sand, Clay. Stiff. Moderate odor.	ML	
NOTES:											
1) Soil samples from 3-4 ft, 13-14 ft, 31-32 ft, 34-35 ft were submitted for laboratory analysis.											
2) Soil Boring was grouted upon completion.											
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).											

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental						1 of 1			
Client: Consolidated Edison of New York									
Contractor: EPI			Casing Size: 3/4 -inch			Boring #: SB-14			
Drilling Method: DP (Hurricane)						Date Begun: 08/16/00			
Ground Elevation: (MSL)			Checked By: MSG			Completed: 08/16/00			
Logged By: DAG			Protection Level: D			Depth to Water: 9' ft bls			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1					Hand dug to 5 feet				0-4" Asphalt	FILL SP SP	
2									Brown,dry,f-c SAND, some f-m Gravel,trace Silt.		
3											
4											
5	4 - 8	S-1	48/22	0					Olive brown and black f-c sand, trace silt and gravel		
6									Slight staining and odor		
7				35							
8											
9	8 - 12	S-2	48/40	156					Grey-black, f-m sand, trace silt & gravel. Oily stained soil (residue on acetate sleeve) from 8-9.5'. Strong tar-like odor.		
10				37					9.5-10.5: Olive-black, fine sand silt, trace clay. Discolored soil & moderate odor.		
11				212					Grey, f-m sand, trace silt. Oily stained soil (residue on acetate sleeve) from 10.5-11.5' . Strong tar-like odor.		
12				150					11.5-12: Grey, silty fine sand. Slight staining & slight odor.		
13	12-16	S-3	24/48	146					12-15: Brown fine sand and silt.		
14									Moist. Trace coarse sand.		
15									Organics. Slight odor & no stain.		
16				81					15-16: Grey f-m sand, little silt. Slight odor & no staining.		
17	16-18	S-4	12/24	104					Grey f-m sand, trace silt. Wet.		
18									Slight odor & no staining.		
19					Refusal at 18 feet						
20											

Well Screen Filter Pack Divider Seal Annular Seal Surface Seal	NOTES: Soil samples from 2-4, 10.5-11.5 ft, and 16-18 ft were submitted for laboratory analysis. Soil Boring was grouted upon completion.
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JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 1	
Client: Consolidated Edison of New York, Inc.							
Contractor: EPI			Casing Size: NA		Boring No. SB-15		
Drilling Method: DP (Hurricane)			LEL/O2: NA		Date Started: 04/23/01		
Ground Elevation: TBD			Checked By: NOH		Date Completed: 04/23/01		
Logged By: DJL			Protection Level: D		Depth to Water: 10 ft bg		

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 4"				Hand dug to 8 ft bg.				0-4" Asphalt	SM	NA
1	4" - 1			0.0					Brown c-m SAND, some Silt. No Stains. No odors. Dry Brown c-m SAND, some Silt. Wet at 10 ft Grey C-M SAND, tr Silt. Wet. Mild petroleum-like odors. Grey-stained f-m SAND 12-16' some Silt, tr Mica. No odors.		
2	1 - 2			0.0							
3	2 - 3			0.0							
4	3 - 4			0.0							
5	4 - 5			0.0							
6	5 - 6			0.0							
7	6 - 7			0.0							
8	8 - 12	S-1	36/48	0.0							
9											
10				0.2							
11											
12	12 - 16	S-2	48/48	0.0							
13											
14											
15											
16	16 - 20	S-3	24/48	0.0							
17											
18											
19											
20	20-22	S-4	24/24								
21											
22				12.8	Refusal at 22 ft bg				Greyish-brown c-m sand. Wet. No odors, mild staining. Grey stained c-m sand 21.5-22'. Trace gravel. Wet. Mild petroleum-like odor.	SW	
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											

NOTES:

1) Soil samples from 2-4 ft, 10-11 ft and 21.5-22 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI										Page: 1 of 1	
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA					Boring No. SB-16	
Drilling Method: DP (Hurricane)					LEL/O2: NA					Date Started: 04/23/01	
Ground Elevation: 189.86 ft rmsl					Checked By: NOH					Date Completed: 04/23/01	
Logged By: DJL					Protection Level: D					Depth to Water: 10 ft bg	

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 4"				Hand dug to 8 ft bg.				0-4" Asphalt		NA
1	6" - 2			0.0					Brown c-f SAND, trace silt	SM	
2	2 - 3			0.0					Brick structure 2 to 4 ft bg.		
3	3 - 4			0.0							
4	4 - 5			0.0					Brown f-m SAND, trace Silt.	SM	
5	5 - 6			0.0					No Stains. No odors.		
6	6 - 7			0.0					Brown f-m SAND, trace Silt.		
7	7 - 8			0.0					No Stains. No odors.		
8	8 - 10	S-1	36/36	0.0					Blk-stained, f-m SAND, wet.	SW	
9									Strong petroleum-like odors at 9.5-10'		
10				2.6	Refusal at 10 ft bg						
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											

NOTES:

1) Soil samples from 2-4 ft and 9.5-10 ft were submitted for laboratory analysis.

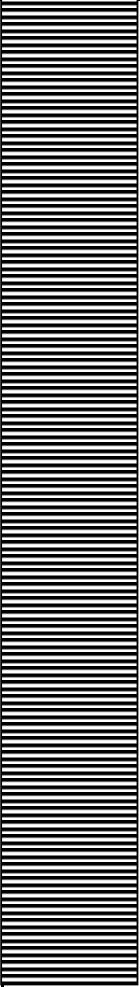
2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental						1 of 2					
Client: Consolidated Edison of New York											
Contractor: EPI			Casing Size: See note below			Boring #.		SB-17			
Drilling Method: DP (Hurricane)			LEL/O2:			Date Begun:		08/10/00			
Ground Elevation: (MSL)			Checked By: MSG			Completed:		08/10/00			
Logged By: DAG			Protection Level: D			Depth to Water:		26 ft bls			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1					Hand dug to 5 feet				0-4" Asphalt	FILL	
2				0.0					4"-16" Bluestone		
3									16"-5' Brown, f-c SAND, some		
4									f-m Gravel, trace Silt. brick,		
5									cobbles, concrete debris	SW	
6	4 - 8	S-1	48/8	12.8					Brown, moist, f-c SAND and		
7									Gravel, trace Silt. wood,brick		
8											
9	8 - 12	S-2	48/6	9.9					Brown, moist, f-c SAND, little	SW	
10									f-m Gravel, trace Silt.		
11											
12	12 - 16	S-3	48/24	1.7					12-13' Similar to above		
13									13-16' Light brown, moist, f-c	SW	
14									SAND, trace f-m Gravel, Silt.		
15											
16	16 - 20	S-4	48/36	0.7					Light brown, moist, f-c SAND,		
17									trace f-m Gravel, Silt.	SW	
18											
19											
20	20 - 24	S-5	48/48	0.0					20-23' Similar to above		
21									23'-23'3" Olive brown, fine SAND	SW	
22									23'3"-24' Light brown, fine SAND,		
23									trace Silt.		
24											
25	24 - 28	S-6	48/48						24-26' Brown, moist, f-c SAND, trace Gravel & Silt, no staining, no odor	SW	
26					(wet @ 26 feet)						
27				148.5					26-28' Dark brown to gray, f-m		
28									SAND, trace f-m Gravel, Silt.		
29									(Moderate staining & odor)	SP	
30											
Well Screen Filter Pack Divider Seal Annular Seal Surface Seal										NOTES: Soil samples from 2-4, 26-28 ft, 40-44 ft, 54.5-55 ft & 55-56 ft were submitted for laboratory analysis. Soil Boring was grouted upon completion.	

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental					2 of 2						
Client: Consolidated Edison of New York											
Contractor: EPI			Casing Size: 3/4-inch		Boring #: SB-17						
Drilling Method: DP (Hurricane)			LEL/O2:		Date Begun: 08/10/00						
Ground Elevation: (MSL)			Checked By: MSG		Completed: 08/10/00						
Logged By: DAG			Protection Level: D		Depth to Water: 26 ft bls						
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
30	28 - 32	S-7	48/24	58.9					Gray, wet, f-m SAND, trace Silt.	SP	
31									Slight staining & slight odor		
32											
33	32 - 36	S-8	48/22	38					Similar to above, no staining	SP	
34									no odor		
35											
36	36 - 40	S-9	48/18	17					36-38: Gray, wet, fine SAND, trace	SP	
37									Silt. (slight odor, no staining)		
38									38-40: Gray, wet, f-m SAND, trace silt. Slight odor, no	SP	
39									staining, slight sheen.		
40	40 - 44	S-10	48/24	6.9					Gray, wet, f-m SAND, trace	SP	
41									Silt. (slight odor)		
42											
43											
44	44 - 48	S-11	48/24	31					Similar to above	SP	
45											
46											
47											
48	48 - 52	S-12	48/12	35.3					Similar to above	SP	
49											
50											
51											
52	52 - 56	S-13	48/18	404					6"Dark brown to black, wet, f-m SAND trace Silt. Oily stained soil (residue on acetate sleeve), strong tar-like odor	SP	
53									54.5-55'		
54				2.9					Gray, wet, Silty fine SAND.	SM	
55									(no staining or odor)		
56	Bottom of boring @ 56 feet										
57	(stopped due to risk of creating preferred pathway)										
58											
59											
60											
Annular Seal Well Screen Filter Pack Divider Seal Annular Seal Surface Seal									NOTES: See notes of Page 1 of 2		

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental				1 of 2				
Client:		Consolidated Edison of New York								
Contractor:		EPI		Casing Size:		See note below		Boring #.		SB-18
Drilling Method:		DP (Hurricane)		LEL/O2:				Date Begun:		08/11/00
Ground Elevation:		(MSL)		Checked By:		MSG		Completed:		08/11/00
Logged By:		DAG		Protection Level:		D		Depth to Water:		26 ft bls

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1					Hand dug to 5 feet				0-4" Asphalt 4"-4' Brown, dry, f-c SAND, little f-m Gravel, trace Silt. brick, cobbles, concrete debris. (dug to 4 ft by hand then used prybar to probe to 7.5 ft)	FILL	
2				0.0							
3											
4											
5											
6											
7											
8	8 - 12	S-1	48/26	0.0					Light brown, dry, f-c SAND, little fine Gravel, trace Silt	SW	
9											
10											
11									Similar to above	SW	
12	12 - 16	S-2	48/28	0.0							
13											
14											
15									Similar to above, trace fine Gravel	SW	
16	16 - 20	S-3	48/26	0.0							
17											
18											
19											
20	20 - 24	S-4	48/30	0.0					Stratified layers of sand from, Brown, moist, f-c SAND, little fine gravel, trace Silt and f-m SAND, trace fine Gravel, Silt	SW	
21											
22											
23											
24	24 - 28	S-5	48/24						24-26' Sbrown f-c SAND, little gravel, trace silt, no odor, no staining.	SP	
25											
26				23.8	(wet @ 26 feet)						
27									26.5-27: Same as above, except moderately stained soil, strong odor & slight sheen. 27-28' Gray, wet, f-m SAND, trace Silt. Slight odor & no staining.	SP	
28											
29											
30											

Well Screen Filter Pack Divider Seal Annular Seal Surface Seal	NOTES: Soil samples from 26-28 ft, and 59-60 ft were submitted for laboratory analysis. Soil Boring was grouted upon completion.
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JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental						2 of 2						
Client: Consolidated Edison of New York												
Contractor: EPI			Casing Size: 3/4-inch			Boring #.		SB-18				
Drilling Method: DP (Hurricane)			LEL/O2:			Date Begun:		08/11/00				
Ground Elevation: (MSL)			Checked By: MSG			Completed:		08/11/00				
Logged By: DAG			Protection Level: D			Depth to Water:		26 ft bls				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction	
					0 - 6"	6" - 12"	12" - 18"	18" - 24"				
30	28 - 32	S-6	48/28	41.4					Gray, wet, f-m SAND, trace Silt. & coarse Sand. Slight odor, no staining.	SP		
31												
32												
33	32 - 36	S-7	48/24	43					Similar to above.	SP		
34												
35												
36	36 - 40	S-8	48/20	44.5					Gray, wet, f-m SAND, trace Silt. Slight odor, no staining.	SP		
37												
38												
39												
40	40 - 44	S-9	48/16	25.5					Similar to above.	SP		
41												
42												
43												
44	44 - 48	S-10	48/14	1.9					Similar to above No odor or staining	SP		
45												
46												
47												
48	48 - 52	S-11	48/10	0.7					Similar to above	SP		
49												
50												
51												
52	52 - 56	S-12	48/20	0.0					Similar to above	SP		
53												
54												
55												
56	56 - 60	S-13	48/18	0.0					56-59' Similar to above	SP		
57												
58												
									59-59.5' Dense,gray,wet,fine sandy SILT. No odor, no staining.	SM		
59									59.5-60' Very dense,gray,wet, f-c SAND,some f-m Gravel,little silt.			SW
60	Bottom of boring @ 60 feet (stopped due to risk of creating preferred pathway)											
Annular Seal Well Screen Filter Pack Divider Seal Annular Seal Surface Seal									NOTES: See notes of Page 1 of 2			

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI							Page: 1 of 2				
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA				Boring No. SB-19		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 06/21/01		
Ground Elevation: 188.21 ft rmsl					Checked By: NOH				Date Completed: 06/21/01		
Logged By: DJL					Protection Level: D				Depth to Water: 12 ft bg		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Concrete	SW	NA
1	6" - 5			0.0					Brown/tan c-f SAND. Loose and dry.		
2											
3											
4											
5	5 - 6			0.7					Brown m-f SAND, little Silt. Damp.	SM	
6	6 - 7			0.8							
7											
8	8 - 12	S-1	48/48	1.7					Brn-gry m-f SAND some Silt, mild petroleum-like odor.		
9										SM	
10											
11				0.3					Wet at 12 ft bg.		
12	12 - 16	S-2	36/48						Grey c-f SAND. No odor.		
13				0.2						SW	
14											
15				0.1							
16	16 - 20	S-3	42/48						Grey c-f SAND. No odor.		
17				0.0					Slight staining at 17 ft bg.		
18									Brown-tan c-f SAND, wet.		
19				0.0					No staining or odor.		
20	20 -24	S-4	24/48						Brn-orange c-f SAND, wet.		
21				0.0							
22											
23				0.0							
24	24 - 28	S-5	18/48	0.0					Tan-orange c-f SAND, wet.		
25											
26											
27											
28	28 - 32	S-6	6/48						Tan-orange c-f SAND, wet.		
29				0.1							
30											
31				0.0							
32	32 -36	S-7	18/48	0.0					Brown-tan c-f SAND, wet.		
33											
34											
35											

NOTES:

1) Soil samples from 5-6 ft, 12-14 ft, 48-52 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-19			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 06/21/01			
Ground Elevation: 188.21 ft rmsl			Checked By: NOH			Date Completed: 06/21/01			
Logged By: DJL			Protection Level: D			Depth to Water: 12 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
36	36 - 40	S-8	36/48	0.0					Grey c-f SAND, wet.	SW	NA
37											
38											
39											
40	40 - 44	S-9	6/48	0.0					Grey m-f SAND, wet.		
41											
42											
43											
44	44 - 48	S-10	12/48	0.0					Grey fine SAND, trace silt, wet.		
45											
46											
48	48 - 52	S-11	12/48	0.3					Grey fine SAND, trace silt, wet.		
49											
50											
51					Refusal at 52 ft bg						
52											
53											
54											
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											

NOTES:

1) Soil samples from 5-6 ft, 12-14 ft, 48-52 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 1					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA			Boring No. SB-20			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/19/01			
Ground Elevation: 188.38 ft rmsl					Checked By: NOH			Date Completed: 04/24/01			
Logged By: DJL					Protection Level: D			Depth to Water: 11 ft bg			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 4"				Hand dug to 5 feet				0"-4" concrete sidewalk		NA
1				0.0					Brown SAND and SILT. No stains, No odors.	SM	
2				0.0							
3				0.0							
4	4 - 8	S-1	24/48	0.0							
5				0.0							
6				0.0							
7				0.0					Black slag pieces at 7 ft bg. Grey m-f SAND, some Silt.		
8	8 - 12	S-2	48/48								
9				0.0					Tan c-m SAND. Dry.	SW	
10											
11				0.0					Silty and clayey SAND. Wet.	SM	
12	12 - 16	S-3	48/48						Grey c-m SAND		
13				0.0							
14											
15				0.0							
16	16 - 20	S-4	48/48								
17				0.0							
18									Tan/orange c-m SAND, Trace mica.		
19				0.0							
20	20 - 24	S-5	30/48								
21				0.0							
22											
23				0.0							
24	24- 28	S-6	24/48						Tan/brown c-m SAND. Wet.	SW	
25				0.0							
26											
27				0.0							
28	28 - 31.5	S-7	24/48								
29				0.0							
30					Refusal at 31.5 ft bg				Brn, gry, blk c-m SAND.		
31											
32											
33											
34											
35											

NOTES:

1) Soil samples from 3-4 ft, 10-11 ft and 34-35 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 1	
Client: Consolidated Edison of New York, Inc.							
Contractor: EPI			Casing Size: NA		Boring No. SB-21		
Drilling Method: DP (Hurricane)			LEL/O2: NA		Date Started: 04/19/01		
Ground Elevation: 189.09 ft rmsl			Checked By: NOH		Date Completed: 04/24/01		
Logged By: DJL			Protection Level: D		Depth to Water: 10 ft bg		

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 4"				Hand dug to 5 feet				0"-4" concrete sidewalk		NA
1				0.0					Brown silty-SAND, little Gravel. No stains or odors.	SM	
2				0.0							
3				0.0							
4				0.0							
5	5 - 8	S-1	18/48	0.0							
6											
7				0.0					Brn c-m SAND sm Gravel/Silt.	SW-SM	
8	8 - 12	S-2	42/48						Concrete, brick & slag	SM	
9				0.0					Brn & gry SAND, some Silt		
10									Wet at 10 ft.		
11											
12	12 - 16	S-3	36/48						Brown/orange c-f SAND. Wet.	SW	
13				0.0							
14											
15											
16	16 - 20	S-4	42/48								
17				0.0					Brown/orange c-f SAND. Wet.		
18											
19											
20	20 - 24	S-5	24/48						Brown/orange c-f SAND. Wet.	SW	
21				0.0							
22											
23											
24	24 - 28	S-6	30/48						Grey m-c SAND, some Silt.	SM	
25				0.0							
26											
27											
28	28 - 32	S-7	36/48						Grey m-c SAND, some Silt.	SM	
29				0.0							
30											
31											
32	32 - 35	S-8	18/48						Grey m-c SAND, some Silt.	SM	
33				0.0							
34											
35					Refusal at 35 ft bg						

NOTES:

1) Soil samples from 3-4 ft, 10-11 ft and 34-35 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 1	
Client: Consolidated Edison of New York, Inc.							
Contractor: EPI			Casing Size: NA		Boring No. SB-22		
Drilling Method: DP (Hurricane)			LEL/O2: NA		Date Begun: 04/19/01		
Ground Elevation: 189.82 ft rmsl			Checked By: NOH		Completed: 04/23/01		
Logged By: DJL			Protection Level: D		Depth to Water: 11 ft bg		

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 4"				Hand dug to 6 feet				0"-4" concrete sidewalk	SM	NA
1				0.0					Brn c-f SAND, some Silt, little Gravel. No stains or odors.		
2				0.0							
3				0.0							
4				0.0							
5				0.0							
6	6 - 10	S-1	36/48	0.0					Brown c-m SAND / Silty SAND	SM-SW	
7				0.0							
8				0.0							
9									Brown c-m SAND	SW	
10	10 - 14	S-2	48/48	0.0					Black/grey staining 9.5'-10'		
11									Black coloring. Wet @ 11 ft.		
12				0.0							
13									Grey c-m SAND.		
14	14 - 18	S-3	48/48	0.0					No staining or odor		
15											
16											
17											
18	18 - 22	3-4	48/48	0.0					Brown and tan c-m SAND, trace Gravel.		
19											
20											
21											
22	22 - 26	S-5	48/48	0.0							
23											
24				0.0					Grey m-f SAND, some Silt	SM	
25									Wet.		
26	26 - 30	S-6	48/48	0.0							
27											
28											
29											
30	30 - 34	S-6	42/42	0.0					Grey m-f SAND, some Silt ,		
31									trace gravel.		
32									Wet.		
33											
34											
35					Refusal at 35 ft bg						

OTES:

1) Soil samples from 3-4 ft, 10-11 ft and 34-35 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI									Page: 1 of 2		
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA				Boring No. SB-23		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/20/01		
Ground Elevation: 203.23 ft rmsl					Checked By: NOH				Date Completed: 04/23/01		
Logged By: DJL					Protection Level: D				Depth to Water: 24 ft bg		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Concrete - sidewalk		NA
1	6" - 4			0.0					Brown c-m SAND and GRAVEL, loose and dry, No stains or odors.	GM	
2											
3											
4	4 - 8	S-1	36/48	0.0					Brown c-m SAND, trace silt, loose and dry, no stains or odors.	SM	
5											
6											
7											
8	8 - 12	S-2	46/48	0.0					Brown m-f SAND, loose and dry, No stains or odors.	SW	
9											
10											
11											
12	12 - 16	S-3	41/48	0.0					Brown m-f SAND, trace silt, loose and dry, No stains or odors.	SM	
13											
14											
15									Tan, f-c SAND.	SW	
16	16 - 20	S-4	44/48	0.0					Brown and tan m-f SAND, loose and dry, No stains or odors.		
17											
18									Brown and tan m-f SAND, loose and dry, No stains or odors.		
19											
20	20 - 24	S-5	37/48	0.0					Brown m-f SAND, wet		
21									No stains or odors.		
22											
23				1.9					Grey stained m-f SAND at 32'		
24	24 - 28	S-6	44/48	0.0					Strong petroleum-like odors.		
25											
26											
27											
28	28 - 32	S-7	24/48						Brown m-f SAND, wet		
29				12.5					No stains or odors.		
30											
31				14.0							
32	32 - 36	S-8	24/48						Grey stained m-f SAND,		
33									Strong petroleum-like odors.		
34											
35											

NOTES:

1) Soil samples from 3-4 ft, 23-24 ft, 37-38 ft, and 47-48 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI					Casing Size: NA		Boring No. SB-23		
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 04/20/01		
Ground Elevation: 203.23 ft rmsl					Checked By: NOH		Date Completed: 04/20/01		
Logged By: DJL					Protection Level: D		Depth to Water: 24 ft bg		

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
36	36 - 40	S-9	24/48						Grey stained m-f SAND, Strong petroleum-like odors.	SW	NA
37				20.0							
38											
39				16.0							
40	40 - 44	S-10	36/48						Grey stained m-f SAND, Mild odor.		
41				9.0							
42											
43				8.0							
44	44 - 48	S-11	36/48						Tan m-f SAND, wet no staining or odors		
45				0.0							
46											
47				0.0							
48	48 - 52	S-12	12/48	0.0					Grey, c-f SAND, wet.		
49											
50											
51											
52	52 - 56	S-13	24/48	0.0							
53											
54											
55											
56	56 - 60	S-14	24/48	0.0					Grey m-f SAND, trace Silt. No staining or odors. Wet.	SM	
57											
58											
59					Refusal @ 60 ft bg.						
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											

NOTES:

1) Soil samples from 3-4 ft, 23-24 ft, 37-38 ft, and 47-48 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-24			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 04/19/01			
Ground Elevation: 202.49 ft rmsl			Checked By: NOH			Date Completed: 04/19/01			
Logged By: DJL			Protection Level: D			Depth to Water: 22.5 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 4"				Hand Dug to 5 ft bg				Concrete - Sidewalk	SM	NA
1	4" - 4			0.0					Brown silty SAND. Little gravel. No stains or odors.		
2											
3											
4	4 - 8	S-1	48/48	0.0					Brown SILT, some f Sand, trace gravel. Dry. stains or odors.	ML	
5											
6											
7									Tan and light brown c-f SAND. Loose and dry. No No stains or odors.	SW	
8	8 - 12	S-2	36/48	0..0							
9											
10											
11		S-3									
12	12 - 16		48/48	0.0					Brown f-m SAND. Some silt. Micaceous. Loose and damp	SM	
13											
14											
15											
16	16 - 20	S-4	48/48	0.0							
17									Tan/brown c-f SAND. Little silt. Wet. No Staining or odor.	SW	
18											
19											
20	20 - 24	S-5	42/48	0.0							
21											
22									Tan/brown c-f SAND. Some mica. Wet. No stains or odor.	SW	
23											
24	24-28	S-6	48/48	0.0							
25											
26											
27									Tan m-f SAND. Wet. No staining or odor.	SW	
28	28 - 32	S-7	46/48	0.0							
29											
30											
31											
32	32 - 36	S-8	48/48						Tan c-f SAND. Wet. Dark brown staining from 34 - 36'. Strong heavy oil-like odor and oily residue on liner 35-36', sheen.	SW	
33											
34				36.0							
35				380.0							

NOTES:

1) Soil samples from 2-3 ft, 21-22 ft, 36-38 ft, and 51-52 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI								Page: 2 of 2	
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI				Casing Size: NA				Boring No. SB-24	
Drilling Method: DP (Hurricane)				LEL/O2: NA				Date Started: 04/19/01	
Ground Elevation: 202.49 ft rmsl				Checked By: NOH				Date Completed: 04/19/01	
Logged By: DJL				Protection Level: D				Depth to Water: 22.5 ft bg	

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)			Soil/Rock Description	Soil Classification	Well Construction
36	36 - 40	S-9	36/48					Dark brn stained c-f SAND.	SM	NA
37								Trace silt. Strong gasoline-like odor. Oil residue on liner from 36-39'.		
38				590.0						
39										
40	40 - 44	S-10	4/48	10.0				Grey-brown f SAND. Little silt. Wet. Very mild petroleum-like odor.		
41										
42										
43										
44	44 - 48	S-11	8/48	4.2				Grey-brown f SAND. Little silt. Wet. No odor.		
45										
46										
47										
48	48 - 52	S-12	7/48	2.2				Grey-brown f SAND. Little silt. Wet. No odor.		
49										
50										
51										
52	52 - 56	S-13	0/48					No Recovery. No odor or sheen on core sampler.		
53										
54										
55										
56	56 - 60	S-14	0/48					No Recovery. No odor or sheen on core sampler.		
57										
58										
59										
60	60 - 64	S-15	0/48					No Recovery. No odor or sheen on core sampler.		
61										
62										
63										
64	64 - 66	S-16	0/36					No Recovery. No odor or sheen on core sampler.		
65										
66										
67								Refusal at 66 feet b.g.		
68										
69										
70										

NOTES:

1) Soil samples from 2-3 ft, 21-22 ft, 36-38 ft, and 51-52 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI			Casing Size: NA			Boring No. SB-25					
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Begun: 04/20/01					
Ground Elevation: 200.77 ft rmsl			Checked By: NOH			Completed: 04/20/01					
Logged By: DJL			Protection Level: D			Depth to Water: 22 ft bg					
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand Dug to 5 ft bg				Concrete - Sidewalk		NA
1	6" - 4			0.0					Brown c-m SAND and GRAVEL, loose and dry. No staining or odor.	GM	
2											
3											
4	4 - 8	S-1	36/48	0.0					Brown c-m SAND. Loose and dry. No staining or odor.	SW	
5											
6											
7											
8	8 - 12	S-2	36/48	0.0					Brown c-m SAND, trace silt. loose, dry, no staining or odor.		
9											
10											
11											
12	12 - 16	S-3	42/48	0.0					Brown-tan, c-m SAND, trace silt, loose, dry, no staining or odor.	SM	
13											
14											
15											
16	16 - 20	S-4	30/48	0.0					Brown-tan, c-m SAND, trace silt, loose, dry, no staining or odor.		
17											
18											
19									Brown, f SAND, trace silt, dry, no staining or odor.		
20	20 - 24	S-5	24/48	0.0							
21									Brown-tan, c-m SAND, dry to wet, No staining or odor.		
22											
23											
24	24 - 28	S-6	24/48	0.0					Brown c-m SAND, dry, No staining or odor.		
25											
26											
27											
28	28 - 32	S-7	48/48	0.0							
29											
30											
31											
32	32 - 36	S-8	48/48	0.0					Tan, m-f SAND, wet, No staining or odor.		
33											
34											
35											

NOTES:

1) Soil samples from 3-4 ft, 21-22 ft, 22.5 - 23.5 ft, and 43-44 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-25			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Begun: 04/20/01			
Ground Elevation: 200.77 ft rmsl			Checked By: NOH			Completed: 04/20/01			
Logged By: DJL			Protection Level: D			Depth to Water: 22 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction						
					0 - 6"	6" - 12"	12" - 18"	18" - 24"									
36	36 - 40	S-9	24/48	0.0					Tan, m-f SAND, wet, No staining or odor.	SW	NA						
37																	
38																	
39																	
40	40 - 44	S-10	12/48	0.0								Tan, m-f SAND, wet, No staining or odor.	SW	NA			
41																	
42																	
43																	
44	44 - 48	S-11	0/48												No recovery.	SW	NA
45																	
46																	
47																	
48	48 - 49	S-12	0/12		Refusal at 49 ft bg				No recovery.	SW	NA						
49																	
50																	
51																	
52																	
53																	
54																	
55																	
56																	
57																	
58																	
59																	
60																	
61																	
62																	
63																	
64																	
65																	
66																	
67																	
68																	
69																	
70																	

NOTES:

1) Soil samples from 3-4 ft, 21-22 ft, 22.5 - 23.5 ft, and 43-44 ft were submitted for laboratory analysis.
2) Soil Boring was grouted upon completion.
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI							Page: 1 of 1				
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA			Boring No. SB-26			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 06/22/01			
Ground Elevation: 190.56 ft rmsl					Checked By: NOH			Date Completed: 06/22/01			
Logged By: DJL					Protection Level: D			Depth to Water: 10 ft bg			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt	SW	NA
1	6" - 5			0.0					Brown-tan c-f SAND. Loose and dry.		
2											
3											
4											
5	5 - 8	S-1	36/48	1.0					Brown c-f SAND, tr Gravel. No staining or odor.		
6											
7											
8	8 - 12	S-2	36/48								
9				0.5					Brown silty m-f SAND. Wet at 10 feet. Brn-gry m-f SAND some Silt.		
10											
11				0.5							
12	12 - 16	S-3	36/48								
13				0.3							
14									Grey m-f SAND some Silt.		
15				0.5							
16	16 - 20	S-4	24/48								
17				0.5							
18											
19				0.6					Brown-tan m-f SAND. Wet.		
20	20 -24	S-5	30/48								
21				0.2							
22									Tan m-f SAND, wet.		
23				0.2							
24	24 - 28	S-6	30/48						Grey f SAND, some silt, wet.		
25				0.3							
26											
27				0.2							
28	28 - 32	S-7	6/48	0.2							
29									Grey m-f SAND, trace Schist fragments in bottom of core sampler.		
30											
31											
32					Refusal at 32 ft bg						
33											
34											
35											

NOTES:

1) Soil samples from 5-7 ft, 10-12 ft, 28-32 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI									Page: 1 of 1		
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA				Boring/ Well No. SB-27/ MW-7		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 06/22/01		
Ground/TOC. Elevations: 190.27 / 189.51 ft rmsl					Checked By: NOH				Date Completed: 06/22/01		
Logged By: DJL					Protection Level: D				Depth to Water: 11 ft bg		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1				Hand dug to 5 ft bg.				4-5" of Concrete, 6" Gravel		
1	1 - 2								8" Asphalt Layer	GM	
2	2 - 3			0.0					Brn f-c SAND, tr Gravel, Silt		
3									2" Asphalt layer at 2.5 ft bg.		
4									Undisturbed Tan bricks.		
5	5 - 7	S-1	13/24	0.0	3	5	7	5	Brn-Orange c-f SAND, tr Silt, & Gravel. Dry & loose.	SM	
6				0.0						ML	
7	7 - 9	S-2	12/24	0.0	4	5	7	8	Gry-brn SILT, med. Stiffness.		
8									Dry. No stains or odor.	SW	
9	9 - 11	S-3	18/24	0.0	5	2	3	4	Grey c SAND.		
10									Grey-brn SILT, tr Clay. Stiff,	ML	
11	11 - 13	S-4	18/24	0.0	2	2	3	10	No stains or odor. Wet.	SW	
12									Grey m-f SAND, Wet		
13	13 - 15	S-5	18/24	0.0	2	3	7	10	No stains or odor.		
14											
15	15 - 17	S-6	14/24	0.0	2	3	5	7			
16											
17	17 - 19	S-7	0/24	0.0	5	9	8	6	No Recovery.		
18											
19	19 - 21	S-8	20/24	0.0	4	8	9	8	Gry, blk & wht (salt&pepper)		
20									c-f SAND, tr Silt. Loose / wet		
21	21 - 23	S-9	14/24	0.0	6	10	12	8	Grey f SAND, med. stiffness.	ML	
22									Grey f SAND, stiff.		
23	23 - 25	S-10	10/24	0.0	5	10	15	35	Grey SILT, tr Sand and Clay,		
24									stiff, wet.		
25	25 - 27	S-11	6/24	0.0	19	23	27	34	Brn and grey c-f SAND, med.	SW	
26									stiffness, wet.		
27	27 - 29	S-12	24/24	0.0	17	21	23	33	Brn and grey c-f SAND, med.		
28									stiffness, wet. Weathered		
29	29 - 31	S-13	24/24	0.0				>50	bedrock at bottom.		
30											
31				0.0	Refusal at 31.5 ft bg				Bedrock at 31.5 ft bg.		
32											
33											
34											
35											

NOTES:			WELL CONSTRUCTION:			(ft bg)
1) Soil samples from 9-10.5 ft, 11-12 ft, 30-31.5 ft were submitted for laboratory analysis.			Surface Seal:			(Cement) 0 - 3
2) Soil Boring was grouted upon completion.			Filter-Pack Seal:			(Bentonite) 3 - 5
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).			Filter Pack:			(Morie 00 Sand) 5 - 17
			Screen Interval:			(0.02-inch slot) 7 - 17
			Depth of Well:			17

NOTES:

- 1) Soil samples from 9-10.5 ft, 11-12 ft, 30-31.5 ft were submitted for laboratory analysis.
- 2) Soil Boring was grouted upon completion.
- 3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

WELL CONSTRUCTION:

	(ft bg)
Surface Seal:	(Cement) 0 - 3
Filter-Pack Seal:	(Bentonite) 3 - 5
Filter Pack:	(Morie 00 Sand) 5 - 17
Screen Interval:	(0.02-inch slot) 7 - 17
Depth of Well:	17

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 3					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA					Boring No. SB-28	
Drilling Method: DP (Hurricane)					LEL/O2: NA					Date Started: 05/24/01	
Ground Elevation: 206.68 ft rmsl					Checked By: NOH					Date Completed: 05/24/01	
Logged By: DJL					Protection Level: D					Depth to Water: 28 ft bg	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1			0.0	Hand Dug to 5 ft bg				Dk Brown CLAY and SILT.	MH	NA
1	1 - 2			0.0					Lt. brown m-f SAND, trace silt, damp.	SM	
2	2 - 3			0.0							
3	3 - 4			0.0							
4	4 - 8	S-1	36/48	0.0					Brn-tan m-f SAND, damp. No stain or odor.	SW	
5											
6											
7											
8	8 - 12	S-2	24/48						Lt. Tan c-f SAND, damp.		
9											
10				4.5					Lt. Tan c-f SAND, some gravel, damp.		
11											
12	12 - 16	S-3	24/48	0.0					Tan c-f SAND, some gravel, loose and dry.		
13											
14											
15											
16	16 - 20	S-4	24/48	0.0					Wht-tan c-f SAND, loose and dry, finer sands at 19 ft.		
17											
18											
19											
20	20 - 24	S-5	24/48	0.0					Tan m-f SAND, dry,		
21											
22											
23	23.5 - 24								Tan m-f SAND, tr. Silt, dry.	SM	
24	24 - 28	S-6	24/48	0.0					Grey-brown m-f SAND, trace silt.		
25											
26											
27									Wet at 28 ft bg.		
28	28 - 32	S-7	24/48	0.0					Grey-brown m-f SAND, trace silt.		
29											
30											
31											
32	32 - 36	S-8	30/48	0.0					Grey-tan m-f SAND, trace silt.		
33											
34											
35											

NOTES:

1) Soil samples from 2-4 ft, 10-11 ft, 27-28 ft, 50-52 ft, 68-75 ft, 75-77 ft were submitted for laboratory analysis.2) Soil Boring was Soil samples from 3-4 ft, 10-11 ft and 34-35 ft3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI							Page: 2 of 3				
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI			Casing Size: NA			Boring No. SB-28					
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 05/24/01					
Ground Elevation: 206.68 ft rmsl			Checked By: NOH			Date Completed: 05/24/01					
Logged By: DJL			Protection Level: D			Depth to Water: 28 ft bg					
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
36	36 - 40	S-9	24/48	0.0					Grey m-f SAND, trace silt.	SW	NA
37											
38											
39											
40	40 - 44	S-10	30/48	0.0					Grey m-f SAND, trace silt.		
41											
42											
43											
44	44 - 48	S-11	24/48	0.0					Grey m-f SAND, trace silt.		
45											
46											
47											
48	48 - 52	S-12	24/48	0.0					Grey m-f SAND, trace silt.		
49											
50											
51											
52	52 - 56	S-13	18/48	0.0					Grey m-f SAND, trace silt.		
53											
54											
55											
56	56 - 60	S-14	24/48	0.0					Grey m-f SAND, trace silt.		
57											
58											
59											
60	60 - 64	S-15	0/48	--					Grey m-f SAND, trace silt. wet, loose. No Recovery		
61											
62											
63											
64	64 - 68		0	--					Grey m-f SAND, trace silt. wet, loose. No Recovery		
65											
66											
67											
68	68 - 72		0	--					Grey m-f SAND, trace silt. wet, loose. No Recovery		
69											
70											

NOTES:

1) Soil samples from 2-4 ft, 10-11 ft, 27-28 ft, 50-52 ft, 68-75 ft, 75-77 ft were submitted for laboratory analysis.

2) Soil Boring was Soil samples from 3-4 ft, 10-11 ft and 34-35 ft

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 3 of 3			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-28			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 05/24/01			
Ground Elevation: 206.68 ft rmsl			Checked By: NOH			Date Completed: 05/24/01			
Logged By: DJL			Protection Level: D			Depth to Water: 28 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
71									Grey m-f SAND, trace silt. wet, loose.	SW	NA
72	72 -75		12	0.0							
73											
74					Bottom of boring at 75 ft bg.						
75											
76											
77											
78											
79											
80											
81											
82											
83											
84											
85											
86											
87											
88											
89											
90											
91											
92											
93											
94											
95											
96											
97											
98											
99											
100											
101											
102											
103											
104											
105											

NOTES:

1) Soil samples from 2-4 ft, 10-11 ft, 27-28 ft, 50-52 ft, 68-75 ft, 75-77 ft were submitted for laboratory analysis.

2) Soil Boring was Soil samples from 3-4 ft, 10-11 ft and 34-35 ft

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA		Boring No. SB-29				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 06/26/01				
Ground Elevation: 207.45 ft rmsl					Checked By: NOH		Date Completed: 06/26/01				
Logged By: DJL					Protection Level: D		Depth to Water: 28 ft bg				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1				Hand dug to 5 ft bg.				Asphalt / Concrete / Sand		NA
1	1 - 2			2.1					Brown m-f SAND, some Silt.	SM	
2	2 - 3			1.8					Brown m-f SAND. Trace Gravel. Loose and dry. Brown c-f SAND, Loose and dry.	SW	
3	3 - 4			2.2							
4	4 - 8	S-1	30/48	2.1							
5											
6											
7											
8	8 - 12	S-2	30/48	3.0							
9											
10											
11											
12	12 - 16	S-3	30/48	1.9					Brown and tan c-f SAND Loose and dry.		
13											
14											
15											
16	16 - 20	S-4	36/48	0.4						Brown and tan c-f SAND Loose and dry. Light tan c-f SAND	
17											
18											
19											
20	20 - 24	S-5	24/48	0.2					Grey-tan c-f SAND. Loose and dry.		
21											
22											
23											
24	24 - 28	S-6	18/48	4.3						Tan/light tan coloring. c-f grained. Silty in darker horizons. Wet at 28 ft bg. Grey-tan m-f SAND, Wet.	
25											
26											
27											
28	28 - 32	S-7	24/48	2.5					Grey-tan m-f SAND, Wet.		
29											
30											
31											
32	32 - 36	S-8	30/48	1.8						Grey-tan m-f SAND, Wet.	
33											
34											
35											

NOTES:

1) Soil samples from 3-4 ft, 28-30 ft, 38-40 ft, 56-58 ft, and 68-72 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2					
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA					Boring No. SB-29	
Drilling Method: DP (Hurricane)					LEL/O2: NA					Date Started: 06/26/01	
Ground Elevation: 207.45 ft rmsl					Checked By: NOH					Date Completed: 06/26/01	
Logged By: DJL					Protection Level: D					Depth to Water: 28 ft bg	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
36	36 - 40	S-9	24/48	1.0					Grey-brown m-f SAND, Some silt lenses. Wet.		NA
37											
38											
39											
40	40 - 44	S-10	12/48	0.7					Dark tan m-f SAND. Wet.		NA
41											
42											
43											
44	44 - 48	S-11	18/48	1.8					Tan-grey m-f SAND. Wet.		NA
45											
46											
47											
48	48 - 52	S-12	12/48	6.1					Tan-grey m-f SAND. Wet. Mild petroleum-like odor.		NA
49											
50											
51											
52	52 - 56	S-13	12/48	10.9					Tan-grey m-f SAND. Wet. Mild petroleum-like odor.	SW	NA
53											
54											
55											
56	56 - 60	S-14	12/48	11.8					Tan-grey m-f SAND. Wet. Mild petroleum-like odor.		NA
57											
58											
59											
60	60 - 64	S-15	0/48						No recovery.		NA
61											
62											
63											
64	64 - 68	S-16	18/48	3.5					Grey m-f SAND. Wet. Mild odor.		NA
65											
66											
67											
68	68 - 72	S-17	6/48	0.0					Gry f SAND, some Silt. Wet.	SM	NA
69											
70											
					Refusal at 72 ft bg						

NOTES:

1) Soil samples from 3-4 ft, 28-30 ft, 38-40 ft, 56-58 ft, and 68-72 ft were submitted for laboratory analysis.
2) Soil Boring was grouted upon completion.
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 1 of 2	
Client: Consolidated Edison of New York, Inc.							
Contractor: EPI			Casing Size: NA			Boring No. SB-30/ TW	
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 06/20/01	
Ground Elevation: 206.78 ft rmsl			Checked By: NOH			Date Completed: 06/20/01	
Logged By: DJL			Protection Level: D			Depth to Water: 27 ft bg	

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction	
					0 - 6"	6" - 12"	12" - 18"	18" - 24"				
0	0 - 6"				Hand dug to 5 ft bg.				Asphalt	SW	NA	
1	6" - 1.5								Concrete 0.5 to 1.5 ft.			
2	1.5 - 2			0.9					Brown c-f SAND, loose and dry.			
3	2 - 4			1.2					Tan-brown c-f SAND, loose and dry.			
4	4 - 8	S-1	36/48									
5				1.7								
6												
7				1.9								
8	8 - 12	S-2	30/48						Tan-brown c-f SAND, loose and dry.			
9				2.1								
10												
11				1.8								
12	12 - 16	S-3	36/48						Tan c-f SAND, loose and dry.			
13				2.6								
14												
15				2.9								
16	16 - 20	S-4	24/48						Tan m-f SAND, loose and dry.			
17				3.2								
18												
19				2.8								
20	20 - 24	S-5	12/48						Tan c-f SAND, loose and dry.			
21				1.9								
22												
23				2.1								
24	24 - 28	S-6	12/48	5.8					Tan m-f SAND.			
25												
26									Wet at 27 ft bg.			
27												
28	28 - 32	S-7	12/48	3.2					Grey-tan c-f SAND, wet.			
29												
30												
31												
32	32 - 36	S-8	24/48						Grey-tan m-f SAND, wet.			
33				4.4								
34												
35				3.1								

NOTES:

1) Soil samples from 14-16 ft, 26-28 ft, 68-72 ft were submitted for laboratory analysis.

2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl)

4) Temporary Well: Zone A Screened 24 - 34 ft bg
Zone B Screened 67 - 72 ft bg

JACQUES WHITFORD COMPANY, INC.

Project:	White Plains Substation - Phase 2 SI	Page:	2 of 2
Client:	Consolidated Edison of New York, Inc.		
Contractor:	EPI	Casing Size:	NA
Drilling Method:	DP (Hurricane)	LEL/O2:	NA
Ground Elevation:	206.78 ft rmsl	Checked By:	NOH
Logged By:	DJL	Protection Level:	D
		Boring No.	SB-30/ TW 30
		Date Started:	06/20/01
		Date Completed:	06/20/01
		Depth to Water:	27 ft bg

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction		
					0 - 6"	6" - 12"	12" - 18"	18" - 24"					
36	36 - 40	S-9	24/48						Grey-tan m-f SAND, wet.	SW			
37				2.9									
38									Grey-tan c-f SAND, mild petroleum-like odor. Wet.				
39				2.1									
40	40 - 44	S-10	24/48						Grey-tan c-f SAND, mild petroleum-like odor. Wet.				
41				1.6									
42									Grey-tan m-f SAND, mild petroleum-like odor. Wet.				
43				1.9									
44	44 - 48	S-11	24/48						Grey-tan c-f SAND, mild petroleum-like odor. Wet.				
45				2.9									
46													
47				2.4									
48	48 - 52	S-12	18/48	2.1					Grey c-f SAND, mild petroleum-like odor. Wet.				
49													
50													
51													
52	52 - 56	S-13	24/48						Grey c-f SAND, mild petroleum-like odor. Wet.				
53				3.7									
54													
55				2.8									
56	56 - 60	S-14	6/48	2.8					Grey c-f SAND, no odor, loose, wet.				
57													
58													
59													
60	60 - 64	S-15	6/48	3.1					Grey m-f SAND, no odor, loose, wet.				
61													
62													
63													
64	64 - 68	S-16	24/48						Grey m-f SAND, Mild odor. Wet.				
65				9.9									
66													
67				15.9									
68	68 - 72	S-17	12/48	17.1					Grey m-f SAND, trace Schist fragments.				
69													
70					Refusal at 72 ft bg								

NOTES:

- | | |
|---|--|
| 1) Soil samples from 14-16 ft, 26-28 ft, 68-72 ft were submitted for laboratory analysis. | 3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl) |
| 2) Soil Boring was grouted upon completion. | 4) Temporary Well: Zone A Screened 24 - 34 ft bg
Zone B Screened 67 - 72 ft bg |

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI							Page: 1 of 2				
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA			Boring No. SB-31			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 05/31/01			
Ground Elevation: 189.48 ft rmsl					Checked By: NOH			Date Completed: 05/31/01			
Logged By: DJL					Protection Level: D			Depth to Water: 11 ft bg			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 6"				Hand Dug to 5 ft bg				Asphalt	SW	NA
1	6" - 1			13.0					Brown c-f SAND, loose & dry. Brick fragments.		
2	1 - 2			93.0					Dark brn-blk stained,		
3	2 - 3			242.0					c-f SAND, tr. gravel, brick.		
4	3 - 4			280.0					Strong odor.		
5	4 - 5			450.0					Concrete		
6	5 - 7										
7											
8	7 - 8	S-1	12/12	633.0					Heavy blk-stained c-f SAND, tr Gravel, strong odor.	SW	
9	8 - 12	S-2	24/36	394.0							
10											
11				490.0					Wet at 11 feet.		
12	12 - 16	S-3	36/48						Heavy blk-stained c-f SAND, strong odor.		
13				21.0					Tan-grey c-f SAND at 15 feet.		
14									Mild odor. Wet.		
15				29.0					Tan c-f SAND, wet.		
16	16 - 20	S-4	24/48						No staining or odor.		
17				5.6							
18											
19				1.8							
20	20 -24	S-5	24/48	5.6					Tan c-f SAND, wet.		
21									No staining or odor.		
22											
23											
24	24 - 28	S-6	12/48	3.1					Tan c-f SAND, wet.		
25									No staining or odor.		
26											
27											
28	28 - 32	S-7	12/48	1.8					Grey-tan c-f SAND, wet.		
29									No staining or odor.		
30											
31											
32	32 - 36	S-8	24/48						Grey m-f SAND, trace Silt	SM	
33				3.1					No staining or odor. Wet.		
34											
35				4.3							

NOTES:

1) Soil samples from 4-5 ft, 7-8 ft, 11-12 ft, 40-42 ft were submitted for laboratory analysis.2) Soil Boring was grouted upon completion.3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI						Page: 2 of 2			
Client: Consolidated Edison of New York, Inc.									
Contractor: EPI			Casing Size: NA			Boring No. SB-31			
Drilling Method: DP (Hurricane)			LEL/O2: NA			Date Started: 05/31/01			
Ground Elevation: 189.48 ft rmsl			Checked By: NOH			Date Completed: 05/31/01			
Logged By: DJL			Protection Level: D			Depth to Water: 11 ft bg			

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
36	36 - 40	S-9	12/48						Grey m-f SAND, broken rock fragments, wet.	SW	NA
37											
38				1.8							
39											
40	40 - 42	S-10	12/12	18.0					Grey m-f SAND, broken rock fragments, wet.		
41					Refusal at 42 ft bg						
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											

NOTES:

1) Soil samples from 4-5 ft, 7-8 ft, 11-12 ft, 40-42 ft were submitted for laboratory analysis.

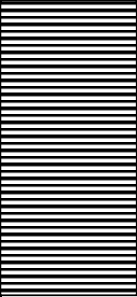
2) Soil Boring was grouted upon completion.

3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental						1 of 2							
Client: Consolidated Edison of New York													
Contractor: EPI			Casing Size: 3/4-inch			Boring #: TB-1							
Drilling Method: Remote DP (Dingo)			LEL/O2:			Date Begun: 03/07/00							
Ground Elevation: 201.55 (MSL)			Checked By: MSG			Completed: 03/17/00							
Logged By: DAG			Protection Level: D			Depth to Water: 24 ft bls							
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction		
					0 - 6"	6" - 12"	12" - 18"	18" - 24"					
1					Hand dug to 7 feet				0-0.5' Bluestone	FILL			
2				0.0					0.5'-3.5' Stratified layers of f-c				
3									Sand, with brick, concrete, metal				
4				0.0					and cinders				
5									3.5'-7' Light brown f-m Sand,				
6									trace silt, trace f-m gravel				
7	6 - 8	S-1	16/24	0.0					Brn f-m Sand, trace silt				
8	8 - 12	S-2	40/48	0.0					Brown f-m Sand, trace silt,				
9									trace gravel				
10													
11													
12	12 - 16	S-3	40/48	0.0					Same as Above				
13													
14													
15													
16	16 - 20	S-4	38/48	0.0					16'-19' Same as Above				
17													
18									19'-20' Black f-c Sand, tr silt,				
19				51	Staining & odor 19-20'				tr gravel				
20	20 - 24	S-5	30/48						20'-21.5' Same as Above				
21				177.2	Staining and odor 21.5-24'				21.5'-24' Gray-black f-m Sand,				
22									tr gravel, tr silt				
23													
24	24 - 28	S-6	30/48	24.9	Visible sheen, staining and odor				Gray-black f-m Sand, tr				
25									gravel, trace silt				
26													
27													
28	28 - 32	S-7	32/48	29.4					28'-30' Same as Above				
29				14.7									
30									30'-31' Ol-gray f Sand, little silt				
Annular Seal Bentonite/Cement Grout 39 - 30									NOTES: Installed temporary well, screened from 30-20 ft. Sample interval at 21.5-24, 28-30 & 36-39 selected for laboratory analysis.				
Well Screen 10 slot schedule 40 3/4" PVC 30 - 20													
Filter Pack													
Divider Seal													
Annular Seal													
Surface Seal													

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental						2 of 2					
Client: Consolidated Edison of New York											
Contractor: EPI			Casing Size: 3/4-inch			Boring #: TB-1					
Drilling Method: Remote DP (Dingo)			LEL/O2:			Date Begun: 03/07/00					
Ground Elevation: 201.55 (MSL)			Checked By: MSG			Completed: 03/17/00					
Logged By: DAG			Protection Level: D			Depth to Water: 24 ft bls					
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
30	28 - 32	S-7	32/48	7.4					31'-32' Olive-gray f-m Sand, trace silt No viable recovery, borehole caved in,	SP	
31											
32	32 -36	S-8	0/48								
33											
34											
35									Black f-m Sand, trace silt	SP	
36	36-39	S-9	36/36	56.2	Tar-like odor & staining and residual tar-like material at 36-39'						
37											
38											
39					Bottom of boring at 39 feet						
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
Annular Seal					Bentonite/Cement Grout		39 - 30		NOTES:		
Well Screen					10 slot schedule 40 PVC		30 - 20				
Filter Pack											
Divider Seal											
Annular Seal											
Surface Seal											

JACQUES WHITFORD COMPANY, INC

Project:				Con Edison: White Plains Environmental				1 of 1					
Client:				Consolidated Edison of New York									
Contractor:				EPI		Casing Size:		See Note Below		Boring #.		TB-2	
Drilling Method:				Remote DP (Dingo)		LEL/O2:				Date Begun:		03/07/00	
Ground Elevation:				201.74 (MSL)		Checked By:		NA		Completed:		03/17/00	
Logged By:				DAG		Protection Level:		D		Depth to Water:		8 ft bls	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)			Soil/Rock Description	Soil Classification	Well Construction			
					0 - 6"	6" - 12"	12" - 18"						
1					Hand dug to 7 feet			0-0.5' Bluestone	FILL				
2								0.5' - 2.5' Dark brown to black f-c Sand with brick, concrete and metal cinders					
3								2.5' - 7' Olive brown to brown f-c Sand, some gravel, little silt, trace brick, concrete debris					
4				19	(@ 4')	Slight staining		6'-7' Backfill. 7'-8' Dark gray to black f-c sand, little gravel, trace silt					
5						& odor							
6				8.0	(@ 7')	Slight staining		8'-11.5' Brn Silt, little f-m sand, organics, trace gravel					
7	6 - 8	S-1	8/24			& odor							
8				7.9	Staining and odor			11.5'-12' Gray-black f-m Sand, tr silt, trace gravel					
9													
10	8 - 12	S-2	36/48	14.0	Staining and odor			16'-17.5' Olive-brn f-m Sand, tr silt					
11													
12				22.3	Staining and odor			17.5' - 18' Black tar like substance, tr f-m gravel, tr silt					
13													
14	12 - 16	S-3	0/48					No Recovery					
15													
16	16 - 18	S-4	24/24		Slight staining and odor			SP					
17				251.0	Strong odor						SP		
18													
19													
20													
Well Screen Filter Pack Divider Seal Annular Seal Surface Seal									Bentonite/Cement Grout 18.5 - 0			NOTES: No well installed, boring filled with grout. Hand auger borehole (TB-2A) completed on 4/11/00 adjacent to location of TB-2 to depth of 11.5 ft. Temporary 1-inch PVC well with 7 ft screen installed within TB-2A borehole. Sample interval at 4, 10-10.5 & 17.5-18 selected for laboratory analysis.	

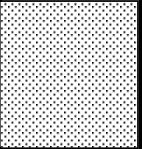
JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental					1 of 1				
Client: Consolidated Edison of New York									
Contractor: NA			Casing Size: NA		Boring #: TB-3				
Drilling Method: Hand excavate/auger			LEL/O2:		Date Begun: 03/07/00				
Ground Elevation: 202.48 (MSL)			Checked By: MSG		Completed: 03/22/00				
Logged By: JW			Protection Level: D		Depth to Water: NA				

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)			Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"			
1				0.0				0-0.25' - Bluestone	FILL	
2				0.0	No staining or odor			0.25' - 4' - Brn f-c Sand, some gravel,		
3								little silt, trace brick, trace concrete,		
4								trace cobbles		
5				0.0						
6	5 - 6	S-6		0.4				Light brn fine Sand		
7	6 - 7	S-7		0.4				Light brn fine Sand		
8	7 - 8	S-8		0.2				Reddish brn f-m Sand, some silt		
9	8 - 9	S-9		0.6				Reddish brn f Sand, little Silt & Clay		
10	9 - 10	S-10		0.2				Reddish brn f-m Sand		
11	10 - 11	S-11		0.0				Same As Above		
12	11 - 12	S-12		0.2				Reddish brn f-m Sand, some silt		
13					Bottom of boring at 12 feet					
14										
15										
16										
17										
18										
19										
20										

Well Screen Filter Pack Divider Seal Annular Seal Surface Seal	NOTES: Hand excavated to 5 ft. Hand augered to 12 ft. No well installed, boring backfilled with cuttings Sample interval at 11-12 selected for laboratory analysis.
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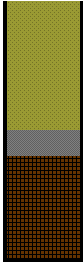
JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental										1 of 1	
Client: Consolidated Edison of New York											
Contractor:					Casing Size: NA					Boring #: TB-4	
Drilling Method:					LEL/O2:					Date Begun: 03/09/00	
Ground Elevation: (MSL)					Checked By: MSG					Completed: 03/09/00	
Logged By: DAG					Protection Level: D					Depth to Water: ft bls	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1					Hand dug to 5 feet				0-4" Bluestone 4"-5' Brown f-c Sand, some brick, concrete, metal, gravel, trace silt Concrete slab @ 5 ft	FILL	
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
Well Screen Filter Pack Divider Seal Annular Seal Surface Seal									NOTES: No borehole installed due to proximity of energized equipment. No samples collected for laboratory analysis.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental						1 of 1					
Client: Consolidated Edison of New York											
Contractor: EPI			Casing Size: 3/4 -inch			Boring #: TB-5					
Drilling Method: Remote DP (Dingo)						Date Begun: 03/09/00					
Ground Elevation: 189.54 (MSL)			Checked By: MSG			Completed: 03/16/00					
Logged By: DAG			Protection Level: D			Depth to Water: 7 ft bls					
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1					Hand dug to 6 feet				0-0.3' Bluestone	FILL	
2									0.3' - 6' Stratified layers of brn f-c Sand, some brick, concrete debris, little silt, trace gravel		
3											
4											
5											
6	5 - 8	S-1	24/36	44.4					5'-7' Brown f-c Sand, little gravel, trace silt	SW	
7										SW	
8				32.0	Heavy staining and tar-like odor				7'-7.5' Black f-m Sand, tr silt, tr grav		
9				8.9	Heavy staining and tar-like odor				7.5'-8' Black Silt, tr f-m sand, tr grav	SM	
10	8 - 12	S-2	40/48	11.4	Heavy staining and tar-like odor				8'-9' Black Silt, tr f-m sand, tr grav	SM	
11				9.5	Slight staining and tar-like odor				9'-10.5' Olive-gr clayey Silt	SC	
12				192.0	Slight staining and tar-like odor				10.5'-11.5' Brn f-m Sand, tr silt, tr grav	SP	
13				18.7	Slight staining and tar-like odor				11.5'-12' Brn Silt, tr f-m sand, organics	SM	
14	12 - 16	S-3	30/48	11.8	Slight staining and tar-like odor				12'-14.5' Same as Above	SM	
15				11.8	Slight staining and tar-like odor				14.5'-16" F-C Sand, some grav, little silt	SW	
16										SW	
17	16 - 17.5	S-4	30/30	67.0	Slight staining and tar-like odor				Same as Above		
18											
19					Refusal at 17.5 feet						
20											
Well Screen 3/4-inch PVC 16.5 - 0 Filter Pack Divider Seal Annular Seal Surface Seal									NOTES: Soils wet at 7 feet. Installed temporary well (3/4" PVC), screened from 16.5 to ground surface. Sample interval at 7-8, 10.5-11.5 & 16-17.5 selected for laboratory analysis.		

Contractor: ADT Driller: Mark Larabie Inspector: Chris Kibler Rig Type: Geoprobe 6600					PARSONS DRILLING RECORD		BORING/ Sheet 1 of 7 WELL NO. SB - 101	
					PROJECT NAME: Con Ed / White Plains PROJECT NUMBER: 440090.01000		Location Description: Northern most sample location. Approx. 15' north and 20' east of northern most transformer.	
GROUNDWATER OBSERVATIONS					Weather: Warm, Partly Sunny, 60 F Date/Time Start: May 16, 2003 0755 Date/Time Finish: May 16, 2003 1015		Location Plan See Site Plan	
Water Level					FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC (drawing not to scale)	COMMENTS
Date								
Time								
Meas. From								
Sample Depth	Sample I.D.	SPT	% Rec.	PID (ppm)				
+1								
0		HC		0.0				
		HC						
		HC						
		HC						
		HC						
5		GP						
		GP						
		GP						
		GP						
		GP						
10		GP	50	1.5	Reddish-brown, med-coarse sand, loose, moist, no odor or stain (8-9 ft) Light brown-brown, coarse-med sand, dry-moist, loose, no odor or stain (9 -10 ft)			
		GP						
		GP						
		GP						
		GP						
15		GP	60	0.2	Brown-light brown, coarse-med sand, loose, dry-moist, no odor or stain (10-15ft) Brown-light brown, coarse-med sand, loose, dry-moist, no odor or stain (15-17ft)			
		GP						
		GP						
		GP						
		GP						
		GP						
20		GP	100	1.5	Brick and broken brick fragments (17-18 ft) Brown, fine sand, moist-dry, loose-firm, no odor or stain (18 - 18.6 ft) Cement/Concrete (18.6 - 19.0 ft) Brick fragments with coarse sand, loose, moist-dry, no odor or stain(19-19.2ft) Dark grey, fine sand, dry-moist, loose-firm, strong petroleum odor (19.2 - 20 ft)			
		GP						
		GP						
	SB-101A	GP			Dark grey-black, fine sand, moist-wet, strong petroleum odor, brown-orange stain on tube and spoon (23-25 ft)			
		GP						
25		GP	20	28.1				
		GP						
		GP						
		GP		50.4	Dark grey-black, fine sand, firm, wet-moist, some free product seeping out. Stain on tube and spoon (27 - 28 ft)			
		GP						
30		GP	40	6.7	Dark grey fine sand, moist-wet, loose-firm, no odor or stain (28 - 35 ft)			
		GP						
		GP						
		GP						
35		GP	90	1.2				
		GP						
		GP		1.6	Light brown-grey, fine sand, wet, firm-loose, no odor or stain (36 - 38 ft) Dark grey-black, fine sand, wet, firm-loose, strong petroleum odor, orange-brown stain on spoon and tube. (38 - 40 ft)			
		GP						
40	SB-101B	GP	80	75.6	Black fine-sand, wet, firm-loose, strong petroleum odor, orange-brown stain on spoon and tube. Oily sheen coming out of sample. (40 -42 ft)			
		GP		200.0	Black-dark grey, fine sand, wet, firm-loose, strong petroleum odor, orange-brown stain on spoon and tube. Oily sheen seeping out of sample (42 - 44 ft)			
		GP						
	SB-101C	GP		>200	Grey-dark grey clay, firm-loose, moist-wet, no odor or stain (44 - 45 ft)			
45		GP	100	2.3	Rock / Refusal at 45 ft. Boring stopped			
SAMPLING METHOD HC = HAND CLEARED VC = VACUUM CLEARED GP = GEOPROBE/DIRECT PUSH					COMMENTS: Water table was reached at 24' Samples were taken from three intervals 23-25', 40-42', and 44-45'			

Contractor: ADT Driller: Mark Larabie Inspector: Chris Kibler Rig Type: Geoprobe 6600						PARSONS DRILLING RECORD		BORING/ Sheet <u>2</u> of <u>7</u> WELL NO. SB - 102		
						PROJECT NAME: Con Ed / White Plains		Location Description: East of the northern		
						PROJECT NUMBER: 440090.01000		most transformer. Approx. 10' east from center		
								Located inside the underground holder.		
GROUNDWATER OBSERVATIONS						Weather: Warm, Sunny, 68 F Date/Time Start: May 15, 2003 1445 Date/Time Finish: May 15, 2003 1500		Location Plan See Site Plan		
Water Level										
Date										
Time										
Meas. From										
Sample Depth	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC (drawing not to scale)		COMMENTS	
+3										
+2										
+1										
0		VC		0.0						
		VC			Brown - dark brown, coarse - med sand, dry-moist, loose, no odor or stain					
3		VC			Light brown, coarse-med, sand, loose, moist, no odor or stain (8.6 - 9 ft) Grey-dark grey, med-fine sand, slight petroleum odor (9 - 9.6 ft) Broken wood debris covered in black petroleum product (9.6 - 10 ft)					
		VC								
6		VC								
		GP								
9		GP			Broken wood debris covered in black petroleum product, strong petroleum odor (10 - 13 ft) Refusal at 13 ft. Boring stopped					
		GP	10	0.2						
12		GP								
		GP								
15		GP	10	4.7						
		GP								
18		GP								
		GP								
21		GP								
		GP								
24		GP								
		GP								
27		GP								
		GP								
30		GP								
		GP								
33		GP								
		GP								
36		GP								
		GP								
39		GP								
		GP								
42										
45										
48										
51										
53										
SAMPLING METHOD HC = HAND CLEARED VC = VACUUM CLEARED GP = GEOPROBE/DIRECT PUSH					COMMENTS: Boring was stopped at 13 ft. A sample was taken from the 10-13 ft interval, but no sent for analysis. Head space PID reading = 72.4ppm Water table was not encountered.					

Contractor: ADT Driller: Mark Larabie Inspector: Chris Kibler Rig Type: Geoprobe 6600						PARSONS DRILLING RECORD		BORING/ Sheet 3 of 7 WELL NO. SB - 103	
						PROJECT NAME: Con Ed / White Plains		Location Description: East of the northern	
						PROJECT NUMBER: 440090.01000		most transformer. Approx. 20' east from center	
GROUNDWATER OBSERVATIONS						Weather: Warm, Sunny, 68 F Date/Time Start: May 15, 2003 1315 Date/Time Finish: May 15, 2003 1400		Location Plan See Site Plan	
Water Level									
Date									
Time									
Meas. From									
Sample Depth	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC (drawing not to scale)	COMMENTS	
+3									
+2									
+1									
0		VC		0.0					
3		VC			Brown - dark brown, coarse - med sand, dry-moist, loose, no odor or stain				
6		VC			Brown - dark brown, coarse - med sand, dry-moist, loose, trace brick, no odor or stain				
9		GP							
12		GP	40	0.2					
15		GP	60	1.0					
18		GP			Br - dk br, coarse - med sand, dry-moist, loose, trace brick, no odor or stain				
21		GP	80	1.1	Light brown-white, med-coarse sand, some pebbles, no odor or stain				
24		GP			Dk br-lt br/wt fine-med sand, 2-5cm lt to dk banding(not oil based), loose, moist				
27	SB-103A	GP			Dark brown-brown, med-coarse sand, loose, moist-wet, trace brick, no oil or stain				
30		GP	75	18.1	Light brown-white, fine-med sand, loose, dry-moist, no odor or stain (22 -22.6')				
33		GP			Dark brown, fine sand, loose-firm, moist, slight petroleum odor (22.6 - 24.6')				
36		GP			Black, fine sand, wet, loose-firm, strong petroleum odor, brown staining on tube				
39		GP			Black - dark grey, fine sand, wet, loose-firm, strong petroleum odor, brown-orange stain on tube and sample spoon (26 - 27')				
42		GP			Dark grey, fine sand, wet, loose, no petroleum odor or stain (27 - 30')				
45		GP			Brown-light brown, med-coarse sand, loose, wet, no oil or stain(30-32 ft)				
48		GP			Grey-dark grey, fine-med sand, loose-firm, wet, no oil or stain(32-35 ft)				
51		GP			Dark grey, fine-med sand, wet, loose-firm, no odor or stain (35-40 ft)				
53		GP			Boring stopped (40ft)				
SAMPLING METHOD HC = HAND CLEARED VC = VACUUM CLEARED GP = GEOPROBE/DIRECT PUSH					COMMENTS: Water table was reached at 24' Samples were taken from the intervals 26-27' and 35-40'				

Contractor: ADT Driller: Mark Larabie Inspector: Chris Kibler Rig Type: Geoprobe 6600						PARSONS DRILLING RECORD		BORING/ Sheet 4 of 7 WELL NO. SB - 104	
						PROJECT NAME: Con Ed / White Plains PROJECT NUMBER: 440090.01000		Location Description: East of the existing transformers. Perpendicular to the firewall.	
GROUNDWATER OBSERVATIONS						Weather: Warm, Sunny, 68 F Date/Time Start: May 15, 2003 0921 Date/Time Finish: May 15, 2003 1021		Location Plan See Site Plan	
Water Level									
Date									
Time									
Meas. From									
Sample Depth	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC (drawing not to scale)	COMMENTS		
+3									
+2									
+1									
0		HC		0.6					
		HC							
3		VC							
		VC							
6		VC		0.6					
		GP			Light brown - brown, coarse - med sand, moist-wet, loose, no oil or stain.(6-10 ft)				
9		GP							
		GP							
12		GP			Light brown - brown, coarse - med sand, moist-wet, loose, no oil or stain.(10-15 ft)				
		GP							
15		GP		0.6					
		GP		0.9	Light brown - brown, coarse - med sand, moist-wet, loose, no oil or stain.(15-18 ft)				
18		GP			Light brown - whitish brown, fine sand, dry, no odor or stain.(18-20 ft)				
		GP		0.9					
21		GP		0.6	Light brown, fine - med, sand, loose, dry - moist, no odor or stain.(20-25 ft)				
		GP							
24		GP			Wet toward bottom of section.				
	SB-104A	GP			Light brown - brown, med sand, loose, moist - wet, no odor or stain.(25-26 ft)				
27		GP			1/2" Band black fine sand, strong petroleum odor and staining on tube. (26 ft)				
		GP							
30		GP		2.8	Dark grey med - fine sand, loose, wet, no odor or stain(26-30 ft)				
		GP			Brown - light brown, medium - coarse sand, wet, loose, no odor or stain.(30-33 ft)				
33		GP							
		GP		0.6	Dark grey, fine - medium sand, wet, loose - stiff, no odor or stain.(33-35 ft)				
36	SB-104B	GP		0.7	Dark grey, fine - medium sand, wet, loose - stiff, no odor or stain.(35-40 ft)				
		GP							
39		GP							
		GP							
42					Boring stopped (40ft)				
45									
48									
51									
53									
SAMPLING METHOD HC = HAND CLEARED VC = VACUUM CLEARED GP = GEOPROBE/DIRECT PUSH					COMMENTS: Watertable was reached at 23' Samples were taken at the 26-30' and the 35-40' intervals				

Contractor: ADT Driller: Mark Larabie Inspector: Chris Kibler Rig Type: Geoprobe 6600						PARSONS DRILLING RECORD		BORING/ Sheet 5 of 7 WELL NO. SB - 105	
						PROJECT NAME: Con Ed / White Plains		Location Description: East of the existing	
						PROJECT NUMBER: 440090.01000		transformers. Approx. 3' from transformer containmen wall	
GROUNDWATER OBSERVATIONS						Weather: Warm, Sunny, 68 F		Location Plan See Site Plan	
Water Level					Date/Time Start: May 15, 2003 1045				
Date					Date/Time Finish: May 15, 2003 1140				
Time									
Meas. From									
Sample Depth	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC (drawing not to scale)	COMMENTS	
+3									
+2									
+1									
0		HC		0.1					
		HC							
3		VC			Brown - dark brown, coarse - med sand, moist, loose, trace brick no odor or stain (6-10 ft)				
		VC							
6		VC							
		GP							
9		GP			Brown - dark brown, fine-med sand, moist, loose, no odor or stain (10 - 15 ft)				
		GP	40	1.2					
12		GP							
		GP							
15		GP	40	2.0	Dark brown - brown, med-coarse sand, loose, moist, no odor or stain.(15-19 ft)				
		GP							
18		GP			Light brown - whiteish brown, fine-med sand, dry-moist, no odor or stain (19-20ft)				
		GP	80						
21		GP		1.0	Light brown-brown, fine-med sand, loose, moist, no odor or stain.(20-23ft)				
		GP		1.3					
24		GP	60	2.4	White-brown, fine sand, dry-moist, few greenish bands (2-5cm thick) toward 24' Dark brown - black, fine sand, moist, strong petroleum odor.(24-25 ft)				
		GP		>100					
27	SB-105A	GP			Dark brown - black, fine-med sand, wet, loose, strong petroleum odor, orange-brown stain on tube.(25-27 ft)				
		GP							
30		GP	80		Dark grey fine-med sand, wet, loose, no odor or stain (27 - 30 ft)				
		GP							
33		GP			Dark grey - grey, fine-med sand, wet, loose-stiff, no odor or stain (30 -35 ft)				
		GP	80	0.6					
36		GP			Dark grey - grey, fine sand, wet, loose-firm, no odor or stain (35 - 40 ft)				
		GP							
39	SB-105B	GP							
		GP	90	0.6					
42					Boring stopped (40ft)				
45									
48									
51									
53									
SAMPLING METHOD HC = HAND CLEARED VC = VACUUM CLEARED GP = GEOPROBE/DIRECT PUSH					COMMENTS: Water table was reached at 27' Samples were taken from the intervals 26-27' and 38-40'				

Contractor: ADT Driller: Mark Larabie Inspector: Chris Kibler Rig Type: Geoprobe 6600					PARSONS DRILLING RECORD		BORING/ Sheet <u>6</u> of <u>7</u> WELL NO. SB - 106	
					PROJECT NAME: Con Ed / White Plains		Location Description: Approx. 15' east of southern-most transformer.	
					PROJECT NUMBER: 440090.01000			
GROUNDWATER OBSERVATIONS					Weather: Warm, Partly Sunny, 60 F Date/Time Start: May 16, 2003 1245 Date/Time Finish: May 16, 2003 1400		Location Plan See Site Plan	
Water Level								
Date								
Time								
Meas. From								
Sample Depth	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC (drawing not to scale)	COMMENTS
+1								
0		HC		0.0				
		HC						
		HC						
		HC						
5		GP						
		GP						
		GP						
		GP						
		GP						
10		GP		0.2	Brown, med-coarse sand, moist-dry, loose, no odor or stain (6 - 10 ft)			
		GP						
		GP						
		GP						
		GP			Br,med-fine sand, moist-dry, loose-firm, some pebbles, no odor or stain (10-14.6')			
15		GP	75	0.3	Light brown-white brown, coarse sand, dry, loose, no odor or stain (14.6 - 15 ft)			
		GP						
		GP			Light brown-white brown, coarse sand, dry, loose, no odor or stain (15 - 17.6 ft)			
		GP						
		GP						
20		GP	90	0.3	Lt brown-wt brown,med-fine sand,loose-firm,moist-dry,no odor or stain (17.6-21')			
		GP						
		GP			Brown, fine-med sand, firm-loose, moist-dry, no odor or stain (21 - 22 ft)			
		GP			Light brown-white brown, fine-med sand banded with black fine sand. Black bands range from 3-10cm. Firm, moist-dry, no odor or stain. (22 - 24.6 ft)			
25		GP	90	0.4	Light brown coarse sand, wet, loose, no odor or stain (24.6 - 25 ft)			
		GP			Brown-dark brown med-fine sand, firm-loose, moist-wet, no odor or stain (25-29')			
		GP						
		GP			Dark brown, med-fine sand, moist, firm. Black bands, 2-5cm thick, with slight petroleum odor throughout section (29 - 29.6 ft)			
	SB-106A	GP						
30		GP	50	0.3	Brn-dk brn med-fine sand, firm-loose, moist-wet, no odor or stain (29.6-30')			
		GP			Dk br-blk,fine-med sand,wet,loose,slight petroleum odor,no stain on tube(30-30.4')			
		GP			Light brown-brown, fine sand, loose-firm, wet, no odor or stain (30.4-34 ft)			
		GP						
		GP						
35		GP	60	0.4	Dark grey, fine-med sand, loose-firm, wet, no odor or stain (34 - 35 ft)			
		GP			Dark grey, med-fine sand, loose, wet, no odor or stain (35 - 40 ft)			
	SB-106B	GP						
		GP						
		GP						
40		GP	80	0.4	Boring stopped (40 ft)			
SAMPLING METHOD HC = HAND CLEARED VC = VACUUM CLEARED GP = GEOPROBE/DIRECT PUSH					COMMENTS: Water table was reached at 24' Samples were taken from two intervals 29-29.6' and 37-39' Sample SB-106A was analyzed for VOC's only, due to limited impacted material			

**Appendix B-2
Monitoring Well Boring Logs**

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental							1 of 2			
Client:		Consolidated Edison of New York										
Contractor:		SDR			Casing Size:		2 -inch		Boring #.		MW-1	
Drilling Method:		Conventional HSA			LEL/O2:				Date Begun:		03/07/00	
Ground Elevation:		208.55 (MSL)			Checked By:		MSG		Completed:		03/21/00	
Logged By:		JW			Protection Level:		D		Depth to Water:		27 ft bls	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction	
					0 - 6"	6" - 12"	12" - 18"	18" - 24"				
1				0.0	Hand dug to 5 feet.				4-inches Asphalt	FILL		
2				0.0					4" - 1.3 ' Brown f-c Sand, little gravel, trace silt, trace brick, metal and concrete debris.			
3												
4												
5				0.0					1.3' - 5' Brown f-c Sand, little gravel, trace silt			
6									No staining or odor			
7												
8												
9												
10	10 - 12	S-1	22/24	1.1	2	2	2	3	Light brown f-m Sand	SP		
11												
12	12 - 14	S-2	24/24	0.8	3	3	3	2	Light brown fine Sand	SP		
13												
14	14 - 16	S-3	22/24	0.6	2	1	2	4	Light brown f-m Sand	SP		
15												
16	16 - 18	S-4	22/24	0.6	5	4	5	6	Light brown med Sand	SP		
17												
18	18 - 20	S-5	20/24	0.4	2	3	6	7	Same As Above	SP		
19												
20	20 - 22	S-6	20/24	0.4	4	6	8	8	Light brn m-c Sand, some Grav	SP		
21												
22	22 - 24	S-7	20/24	0.8	5	4	7	10	Same As Above	SP		
23												
24	24 - 26	S-8	18/24	0.2	4	4	7	6	Light brown med Sand	SP		
25												
26	26 - 28	S-9	20/24	0.2	8	7	8	8	Same As Above (wet @ 27.5')	SP		
27												
28	28 - 30	S-10	20/24	0.2	6	7	14	13	Light brown fine Sand	SP		
29												
30	30 - 32	S-11	20/24	0.8	1	2	6	12	Same As above	SP		
									NOTES:			
Well Screen		10 slot schedule 40, 2" PVC			34 - 24		Sample interval 26-27.5 ft and 32-34 selected for Laboratory Analysis.					
Filter Pack		#10 Morie Sand			34 - 22							
Divider Seal		Bentonite Pellets			22 - 21							
Annular Seal		Bentonite/Cement Grout			21 - 1							
Surface Seal		Bentonite/Flush-Mount Casing			1 - 0							

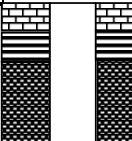
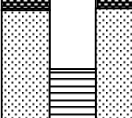
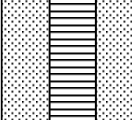
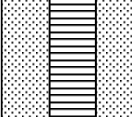
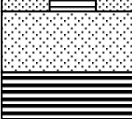
JACQUES WHITFORD COMPANY, INC

Project:					Con Edison: White Plains Environmental				2 of 2					
Client:					Consolidated Edison of New York									
Contractor:			SDR		Casing Size:			2 -inch		Boring #.			MW-1	
Drilling Method:			Conventional HSA		LEL/O2:					Date Begun:			03/07/00	
Ground Elevation:			208.55 (MSL)		Checked By:			MSG		Completed:			03/21/00	
Logged By:			JW		Protection Level:			D		Depth to Water:			27 ft bls	

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
30	30 - 32	S-11	20/24	0.8	1	2	6	12	Light brown fine Sand	SP	
31											
32	32 - 34	S-12	24/24	0.6	4	6	6	5	Same as Above, 2" silt layer at 34'	SP-SM	
33											
34											
35					Bottom of Boring at 34 feet						
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											

Well Screen 10 slot schedule 40, 2" PVC 34 - 24 Filter Pack #10 Morie Sand 34 - 22 Divider Seal Bentonite Pellets 22 - 21 Annular Seal Bentonite/Cement Grout 21 - 1 Surface Seal Bentonite/Flush-Mount Casing 1 - 0	NOTES:
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JACQUES WHITFORD COMPANY, INC

Project:				Con Edison: White Plains Environmental				1 of 1			
Client:				Consolidated Edison of New York							
Contractor:		EPI		Casing Size:		2 -inch		Boring #.		MW-2	
Drilling Method:		Dual DP/HSA (Hurricane)		LEL/O2:				Date Begun:		03/08/00	
Ground Elevation:		190.72 (MSL)		Checked By:		MSG		Completed:		03/15/00	
Logged By:		DAG		Protection Level:		D		Depth to Water:		10 ft bls	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1					Hand dug to 7 feet.				0-0.5' Bluestone	FILL	
2				0.0					0.5'-7' Brown f-c Sand and brick, concrete, metal debris,		
3									some gravel, little cobbles,		
4									trace silt		
5									Light brn f-m Sand, tr silt		
6	6 - 10	S-1	38/48	0.0					No staining or odor		
7										SP	
8											
9											
10	10 - 14	S-2	40/48	0.0					Olive-brn f-m Sand, tr silt (wet @ 10')		
11											
12											
13										SP	
14	14 - 18	S-3	40/48	0.0					Olive-gray f-m Sand, tr silt		
15											
16											
17											
18	18 - 22	S-4	0/48						No Recovery (very liquid Sands)		
19										SP SM	
20											
21											
22	22 - 26	S-5	30/48	0.0					22'-25' Ol-gray f-m Sand, tr silt		
23									25'-26' Ol-gray clayey Silt		
24									rock fragments in end of sleeve (@ 26')		
25										ML	
26	26 - 30	S-6	24/48	0.0					Olive-gray fine sandy Silt stratified with layers (2-3" thick) of f-c sand, some gravel, little silt.		
27											
28											
29											
30					Refusal at 30 feet						
Bottom Seal		Bentonite/Cement Grout				30 - 19				NOTES: Sample interval 7-10, 24-25 & 27-30 selected for laboratory analysis.	
Divider Seal		Formation/Backfill				19 - 17					
Well Screen		10 slot schedule 40, 2" PVC				17 - 7					
Filter Pack		#10 Morie Sand				17 - 5					
Divider Seal		Bentonite Pellets				5 - 2					
Annular Seal		Bentonite/Cement Grout				2 - 1					
Surface Seal		Concrete/Flush-Mount Casing				1 - 0					

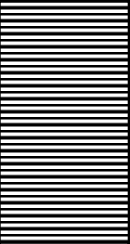
JACQUES WHITFORD COMPANY, INC

Project:						Con Edison: White Plains Environmental				1 of 1							
Client:						Consolidated Edison of New York											
Contractor:						SDR		Casing Size:		2 -inch		Boring #.		MW-3			
Drilling Method:						Conventional HSA		LEL/O2:				Date Begun:		03/07/00			
Ground Elevation:						202.03		(MSL)		Checked By:		MSG		Completed:		03/21/00	
Logged By:						JW		Protection Level:		D		Depth to Water:		23 ft bls			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction						
					0 - 6"	6" - 12"	12" - 18"	18" - 24"									
1					Hand dug to 7 feet				2-inches Bluestone	FILL							
2				0.0					2" - 2.5 ' dark brown, f-c Sand,								
3									some gravel, little silt,								
4									brick and concrete debris.								
5									2.5' - 7' brown, silty sand,								
6									trace gravel								
7				0.0													
8																	
9																	
10	10 - 12	S-1	16/24	1.7	2	2	2	3	Light brown f Sand	SP							
11									No staining or odor.	SP							
12	12 - 14	S-2	12/24	1.5	3	3	5	3	Same As Above	SP							
13										SP							
14	14 - 16	S-3	21/24	1.1	5	4	3	4	Light brown f Sand, some silt	SP							
15										SP							
16	16 - 18	S-4	22/24	1.3	4	5	4	3	Same As Above	SP							
17										SP							
18	18 - 20	S-5	21/24	0.6	2	1	2	3	Light brown f-m Sand	SP							
19										SP							
20	20 - 22	S-6	21/24	0.2	2	2	2	2	Light brown f Sand	SP							
21										SP							
22	22 - 24	S-7	21/24	1.1	2	2	2	1	Brown f Sand, little silt (wet @ 23')	SP							
23										SP							
24										SP							
25	25 - 27	S-8	20/24	0.8	1	1	1	3	Same As Above	SP							
26										SP							
27	27 - 29	S-9	16/24	1.1	2	4	7	9	Same As Above	SP							
28										SP							
29				Heaving sands at 30 feet, terminate boring													
30																	
Well Screen									10 slot schedule 40, 2" PVC		30 - 20		NOTES: Sample interval at 20-22 & 27-29 selected for laboratory analysis.				
Filter Pack									#10 Morie Sand		30 - 18						
Divider Seal									Bentonite Pellets		18 - 17						
Annular Seal									Bentonite/Cement Grout		17 - 1						
Surface Seal									Bentonite/Flush-Mount Casing		1 - 0						

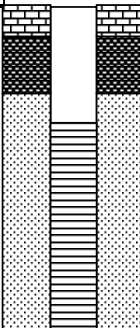
JACQUES WHITFORD COMPANY, INC

Project:				Con Edison: White Plains Environmental				1 of 2							
Client:				Consolidated Edison of New York											
Contractor:				EPI		Casing Size:		2 -inch		Boring #.		MW-4			
Drilling Method:				Dual DP/HSA (Hurricane)		LEL/O2:				Date Begun:		03/07/00			
Ground Elevation:				195.09 (MSL)		Checked By:		MSG		Completed:		03/14/00			
Logged By:				DAG		Protection Level:		D		Depth to Water:		14 ft bls			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction				
					0 - 6"	6" - 12"	12" - 18"	18" - 24"							
1					Hand dug to 6.5 feet				2-inches organic layer	FILL					
2									2" - 6.5 ' brown, silty Sand,						
3									little gravel, trace cobbles						
4									and debris						
5															
6	6 - 10	S-1	6/48	6.6					Brown f-m Sand, little gravel	SP					
7									trace silt, no staining or odor						
8															
9															
10	10 - 14	S-2	40/48	9.8					10'-12.5' Brn F Sand, tr silt,	SP					
11									tr gravel, no staining or odor						
12				50.4	(12.5-12.8 ft)				12.5' - 14' layers (3-4") of silty	SM					
13				1.0	(12.8-14 ft)				fine Sand (petrol odor at 12.8')						
14	14 - 18	S-3	14/48	0.0	(wet @ 14 feet)				14'-15.5' Ol-gray f Sand, tr silt	SP					
15				0.3					15.5'-16.5' Thin layers of Ol-gray						
16									f Sand and Ol-gray clayey Silt	SM					
17				0.1					16.5'-18' Brn f-m Sand, tr silt	SP					
18	18 - 22	S-4	36/48	0.2					Ol-brn f-m Sand, tr silt,	SP					
19									intermittant layers of fine Sand						
20									(1/8"-1/4" thick)						
21															
22	22 - 26	S-5	30/48	0.0					Ol-gray f-m Sand, tr silt	SP					
23															
24															
25															
26	26 - 28	S-6	20/24	0.0					Same as above	SP					
27															
28	28 - 30	S-7	18/24	0.0					Same as above	SP					
29															
30															
Bottom Seal				Bentonite/Cement Grout				38-23					NOTES: Sample interval at 10-12.5, 12.5-12.8 & 34-36 selected for laboratory analysis.		
Well Screen				10 slot schedule 40 PVC				23 - 13							
Filter Pack				#10 Morie Sand				23 - 10							
Divider Seal				Bentonite Pellets				10 - 3							
Annular Seal				Bentonite/Cement Grout				3 - 1							
Surface Seal				Bentonite/Flush-Mount Casing				1 - 0							

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental						2 of 2			
Client:		Consolidated Edison of New York									
Contractor:		EPI		Casing Size:		2 -inch		Boring #: MW-4			
Drilling Method:		Dual DP/HSA (Hurricane)		LEL/O2:				Date Begun: 03/08/00			
Ground Elevation:		195.09 (MSL)		Checked By:		MSG		Completed: 03/14/00			
Logged By:		DAG		Protection Level:		D		Depth to Water: 14 ft bls			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
30	30 - 32	S-8	20/24	0.0					Same as Above	SP	
31											
32	32 - 34	S-9	18/24	0.0					Same as Above	SP	
33											
34	34 - 36	S-10	20/24	0.0					Same as Above	SP	
35											
36	36 - 38	S-11	16/24	0.0					Ol-brn f sandy Silt, tr clay	SM	
37											
38	Bottom of Boring at 38 feet										
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
Bottom Seal		Bentonite/Cement Grout		38-23		NOTES:					
Well Screen		10 slot schedule 40 2" PVC		23 - 13							
Filter Pack		#10 Morie Sand		23 - 10							
Divider Seal		Bentonite Pellets		10 - 3							
Annular Seal		Bentonite/Cement Grout		3 - 1							
Surface Seal		Bentonite/Flush-Mount Casing		1 - 0							

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental										1 of 1			
Client: Consolidated Edison of New York													
Contractor:		EPI			Casing Size:			2 -inch		Boring #.		MW-5	
Drilling Method:		Dual DP/HSA (Hurricane)			LEL/O2:					Date Begun:		03/09/00	
Ground Elevation:		189.56 (MSL)			Checked By:			MSG		Completed:		03/15/00	
Logged By:		DAG			Protection Level:			D		Depth to Water:		7 ft bls	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction		
					0 - 6"	6" - 12"	12" - 18"	18" - 24"					
1					Hand dug to 7 feet				0-0.25' Bluestone	FILL			
2									0.25' - 7' Brown f-c Sand, little				
3									gravel, trace brick, concrete				
4									metal debris				
5													
6	6 - 10	S-1	30/48	130.6	Tar-like material, odor & staining				6'-7' Brn f-m Sand, tr Silt, tr f-m Grav SP				
7					from 7-10.5'. (wet @ 7 ft)				7'-8' Black f-m Sand, tr Silt, tr f Grav SP				
8									8'-10' Black decomposed rock				
9	10 - 10.5	S-2	4/6	142.2	Sampler refusal @ 10.5'				Black decomposed rock				
10					HSA Refusal @ 11'								
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
Well Screen			10 slot schedule 40 2" PVC			4-11			Notes: Sample interval at 7-10 selected for laboratory analysis.				
Filter Pack			#10 Morie Sand			3-11							
Divider Seal			Bentonite Pellets			1-3							
Annular Seal			Bentonite/Cement Grout			none							
Surface Seal			Bentonite/Flush-Mount Casing			0-1							

JACQUES WHITFORD COMPANY, INC

Project:			Con Edison: White Plains Environmental					1 of 2							
Client:			Consolidated Edison of New York												
Contractor:			EPI		Casing Size:		See note below		Boring #.		MW-6				
Drilling Method:			Sampling - DP (Hurricane), Well Install - HSA		LEL/O2:				Date Begun:		08/16/00				
Ground Elevation:			(MSL)		Checked By:		MSG		Completed:		09/01/00				
Logged By:			DAG/AES		Protection Level:		D		Depth to Water:		4.25 ft bls				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction				
					0 - 6"	6" - 12"	12" - 18"	18" - 24"							
1				0.0	Hand dug to 5.0 feet				0-4" Asphalt	FILL					
2				0.0	Black stained soil at 20".				4"-4' Brown, dry, f-c SAND, little f-m Gravel, trace Silt.						
3				0.0					brick, cobbles, concrete debris.						
4				0.0	(wet @ 4.25' w/slight sheen)										
5				0.0											
6	6-12	S-1	72/48	2.9					6-7.5: brown wet f-m SAND, trace silt, slight odor & no staining	SP					
7				121					7.5-8.5: grey-black, moist, f-m SAND, trace silt, oily stained soil & strong tar-like odor.						
8				59					8.5-10.5: grey-brown wet f-m sand, some silt, trace course sand. Slight odor and no staining.						
9															
10				103					10.5-12: grey, wet f-m SAND,						
11									tr silt, slight odor & no staining						
12	12 - 16	S-2	24/48	24					Grey silty fine sand. Wet.						
13									Slight odor & no staining						
14															
15															
16	16 - 20	S-3	12/48	44					Grey f-m sand. Trace silt.	SP					
17									Slight odor & no staining						
18															
19															
20	20 - 24	S-4	24/48	19.9					Similar to above						
21									Slight odor & no staining	SP					
22				0.8											
23															
24	24 - 28	S-5	30/48	0.4					Similar to above						
25									Slight odor & no staining						
26				9.9						SP					
27															
28	28-32	S-6	24/48	0.0					Grey fine sand, trace silt.						
29				0.0					No staining, no odors.						
30															
Well Screen 20 slot schedule 40 2" PVC: 5-15 ft Filter Pack #10 Morie Sand: 3-15 ft Divider Seal Bentonite Pellets 2-3 ft Annular Seal Bentonite/Cement Grout 1-2 ft Surface Seal Bentonite/Flush-Mount Casing 0-1 ft Bottom Seal Bentonite Pellets 16-20 ft Bottom Sump 2"schedule 40 PVC 16-18 ft									NOTES: Soil samples from 2-4 ft, 7.5-8.5 ft & 8.5-9.5 ft submitted for laboratory analysis. Duplicate sample collected at 7.5-8.5 ft						

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental						2 of 2		
Client:		Consolidated Edison of New York								
Contractor:		EPI		Casing Size:		3/4-inch		Boring #.		MW-6
Drilling Method:		Sampling - DP (Hurricane), Well Install - HSA		LEL/O2:				Date Begun:		08/16/00
Ground Elevation:		(MSL)		Checked By:		MSG		Completed:		09/01/00
Logged By:		DAG/AES		Protection Level:		D		Depth to Water:		4.25 ft bls

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
30	28-32	S-6	24/48	0.0					30-32: Grey, wet fine sandy SILT, trace clay No Staining & no odor.		
31											
32											
33	33-32	S-7	12/0	--					No recovery, refusal		
34	(Bottom of boring @ 33' - refusal)										
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
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58											
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Annular Seal Well Screen Filter Pack Divider Seal Annular Seal Surface Seal	NOTES: See notes of Page 1 of 2
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JACQUES WHITFORD COMPANY, INC.

Project: White Plains Substation - Phase 2 SI									Page: 1 of 1		
Client: Consolidated Edison of New York, Inc.											
Contractor: EPI					Casing Size: NA				Boring/ Well No. SB-27/ MW-7		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 06/22/01		
Ground/TOC. Elevations: 190.27 / 189.51 ft rmsl					Checked By: NOH				Date Completed: 06/22/01		
Logged By: DJL					Protection Level: D				Depth to Water: 11 ft bg		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1				Hand dug to 5 ft bg.				4-5" of Concrete, 6" Gravel		
1	1 - 2								8" Asphalt Layer	GM	
2	2 - 3			0.0					Brn f-c SAND, tr Gravel, Silt		
3									2" Asphalt layer at 2.5 ft bg.		
4									Undisturbed Tan bricks.		
5	5 - 7	S-1	13/24	0.0	3	5	7	5	Brn-Orange c-f SAND, tr Silt, & Gravel. Dry & loose.	SM	
6				0.0						ML	
7	7 - 9	S-2	12/24	0.0	4	5	7	8	Gry-brn SILT, med. Stiffness.		
8									Dry. No stains or odor.	SW	
9	9 - 11	S-3	18/24	0.0	5	2	3	4	Grey c SAND.		
10									Grey-brn SILT, tr Clay. Stiff,	ML	
11	11 - 13	S-4	18/24	0.0	2	2	3	10	No stains or odor. Wet.	SW	
12									Grey m-f SAND, Wet		
13	13 - 15	S-5	18/24	0.0	2	3	7	10	No stains or odor.		
14											
15	15 - 17	S-6	14/24	0.0	2	3	5	7			
16											
17	17 - 19	S-7	0/24	0.0	5	9	8	6	No Recovery.		
18											
19	19 - 21	S-8	20/24	0.0	4	8	9	8	Gry, blk & wht (salt&pepper)		
20									c-f SAND, tr Silt. Loose / wet		
21	21 - 23	S-9	14/24	0.0	6	10	12	8	Grey f SAND, med. stiffness.	ML	
22									Grey f SAND, stiff.		
23	23 - 25	S-10	10/24	0.0	5	10	15	35	Grey SILT, tr Sand and Clay,		
24									stiff, wet.		
25	25 - 27	S-11	6/24	0.0	19	23	27	34	Brn and grey c-f SAND, med.	SW	
26									stiffness, wet.		
27	27 - 29	S-12	24/24	0.0	17	21	23	33	Brn and grey c-f SAND, med.		
28									stiffness, wet. Weathered		
29	29 - 31	S-13	24/24	0.0				>50	bedrock at bottom.		
30											
31				0.0	Refusal at 31.5 ft bg				Bedrock at 31.5 ft bg.		
32											
33											
34											
35											

NOTES:		WELL CONSTRUCTION:		(ft bg)
1) Soil samples from 9-10.5 ft, 11-12 ft, 30-31.5 ft were submitted for laboratory analysis.		Surface Seal:		(Cement) 0 - 3
2) Soil Boring was grouted upon completion.		Filter-Pack Seal:		(Bentonite) 3 - 5
3) Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).		Filter Pack:		(Morie 00 Sand) 5 - 17
		Screen Interval:		(0.02-inch slot) 7 - 17
		Depth of Well:		17

NOTES:

- Soil samples from 9-10.5 ft, 11-12 ft, 30-31.5 ft were submitted for laboratory analysis.
- Soil Boring was grouted upon completion.
- Elevation is tied to an on-site datum of 204.65 ft relative to mean sea level (ft rmsl).

WELL CONSTRUCTION:

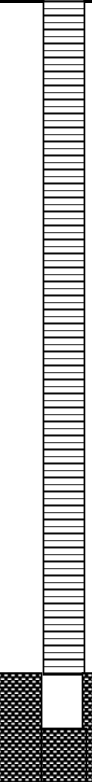
	(ft bg)
Surface Seal:	(Cement) 0 - 3
Filter-Pack Seal:	(Bentonite) 3 - 5
Filter Pack:	(Morie 00 Sand) 5 - 17
Screen Interval:	(0.02-inch slot) 7 - 17
Depth of Well:	17

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental					1 of 2				
Client:		Consolidated Edison of New York									
Contractor:		EPI		Casing Size:		See note below		Boring #.		MW-8	
Drilling Method:		Sampling - DP (Hurricane), Well Install - HSA		LEL/O2:				Date Begun:		08/30/00	
Ground Elevation:		(MSL)		Checked By:		MSG		Completed:		08/31/00	
Logged By:		AES		Protection Level:		D		Depth to Water:		24 ft bls	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1				0.0	Hand dug to 5.5 feet				0-4" Asphalt 4"-4' Brown, dry, f-c SAND, little f-m Gravel, trace Silt. brick, cobbles, concrete debris.	FILL	
2				0.0							
3				0.0							
4				0.0							
5				0.0							
6									Brown, dry, f-m sand, No staining or odor	SP	
7											
8	8 - 12	S-1	48/48	0.0							
9											
10				0.0							
11									12-13.5: Similar to above 13.5-16: Lt brown f-c SAND w/ some silt & trace gravel No staining or odor	SP	
12	12 - 16	S-2	48/48	0.0							
13				0..0							
14											
15											
16	16 - 20	S-3	48/48	0.0					Tan and brown f-c silty sand Trace gravel, dry. No staining or odor	SP	
17											
18				0.0							
19											
20	20 - 24	S-4	48/48	0.0							
21									Similar to above Damp at bottom No staining or odor	SP	
22				0.0							
23											
24	24 - 28	S-5	36/48	0.0							
25											
26				0.0	(wet @ 24 feet)				Brown coarse sand and f-c silty sand. Wet No staining or odor	SP	
27											
28											
29											
30											
Well Screen20 slot schedule 40 2" PVC:20-40 ft Filter Pack#10 Morie Sand:18-40 Divider SealBentonite Pellets16-18 Annular SealBentonite/Cement Grout1-16 ft Surface SealBentonite/Flush-Mount Casing0-1 ft Bottom SealBentonite Pellets40-44 ft Bottom Sump2"schedule 40 PVC40-42 ft									NOTES: Soil samples from 2-4 ft, 22.3-23 ft, 27-27.5 ft, 36.5-37 ft, 37.5-38 ft & 47.5-48 ft were submitted for laboratory analysis.		

JACQUES WHITFORD COMPANY, INC

Project:					Con Edison: White Plains Environmental				2 of 2			
Client:					Consolidated Edison of New York							
Contractor:					EPI				Casing Size:		3/4-inch	
					Sampling - DP (Hurricane), Well Install - HSA				Boring #:		MW-8	
Drilling Method:					Well Install - HSA				LEL/O2:		Date Begun:	
Ground Elevation:					(MSL)				Checked By:		MSG	
Logged By:					AES				Protection Level:		D	
									Depth to Water:		24 ft bls	

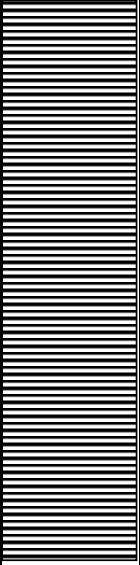
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
30	28 - 32	S-7	48/48	0.0					Very micaceous brown and grey f-c sand. Trace silt. Wet	SP	
31											
32											
33	32 - 36	S-8	48/48	0					32-34: Similar to above. No staining or odor.	SP	
34				18.5					34-35: Brown f-c sand, trace silt, wet. Moderate odor, no staining.		
35				135					35-35.5: Brown f-c sand, trace silt, wet. Oily stained soil, oil droplets, sheen, residue on acetate liner, strong tar-like odor.		
36				142					35.5-36: Similar to above, but slightly less impacted.	SP	
37	36 - 40	S-9	48/48	310					36-37: Similar to above.		
38				425					37-38: Similar to above. Oily residue on acetate liner.		
39				130					38-39: Brown f-c sand, trace silt, wet. Oily stained soil, sheen, residue on acetate liner, strong tar-like odor, but no oil droplets.	SP	
40				80					39-40: Brown silty fine sand, moderate staining (grey discoloration) & moderate odor.		
41	40 - 44	S-10	36/48	0.0					Brown f-m sand and silty sand		
42									No odors, no staining.	SP	
43											
44											
45	44 - 48	S-11	24/48	0.8					Similar to above	SP	
46									No odors, no staining.		
47											
48										SP	
49	48 - 52	S-12	0/48						No recovery		
50											
51										SP	
52											
53	52 - 56	S-13	6/48	0.0					Slight recovery. Grey sandy silt with trace clay.		
54									No staining or odor.	SP	
55											
56											
57	56-57	S-14	0/12							SP	
58									No recovery		
59	Bottom of boring @ 57 feet (refusal)										
60											

Annular Seal Well Screen Filter Pack Divider Seal Annular Seal Surface Seal	NOTES: See notes of Page 1 of 2
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JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental										1 of 2		
Client: Consolidated Edison of New York												
Contractor: EPI					Casing Size: See note below					Boring #: TW-1		
Drilling Method: DP (Hurricane)					LEL/O2:					Date Begun: 03/08/00		
Ground Elevation: 203.88 (MSL)					Checked By: MSG					Completed: 03/14/00		
Logged By: DAG					Protection Level: D					Depth to Water: 27 ft bls		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction	
					0 - 6"	6" - 12"	12" - 18"	18" - 24"				
1					Hand dug to 5 feet				0-1.0' Asphalt	FILL		
2									1'-5' Brown f-c Sand, some gravel, little silt, trace brick, concrete debris			
3												
4										5-7' Concrete slab	Concrete	
5												
6												
7	7 - 10	S-1	36/36	0.7					Gray brown f-m Sand, trace silt, trace fine gravel	SP		
8												
9												
10	10 - 14	S-2	48/48	0.5					Gray brown fine Sand, trace silt, trace fine gravel	SP		
11												
12												
13												
14	14 - 18	S-3	34/48	0.3					14 -15.5' Same as Above	SP		
15									15.5' - 18' Gray brown f-c Sand, trace silt, trace gravel	SW		
16												
17												
18	18 - 22	S-4	24/48	0.7					Same as Above	SW		
19												
20												
21												
22	22 - 26	S-5	28/48	11.4					22' - 25' Same as Above	SW		
23									25' - 28' Dark brown to black f-c Sand, trace f-m gravel, trace silt (petroleum odor)	SW		
24												
25												
26	26 - 28	S-6	24/24	124					Dark gray f-m Sand, tr gravel	SP		
27					(wet @ 27 feet)				tr silt (slight staining & petro odor)	SP		
28	28 - 30	S-7	18/24	38.2					Same as above			
29												
30												
Well Screen Filter Pack Divider Seal Annular Seal Surface Seal										3/4" PVC temporary well	35 - 25	NOTES: Soil samples from 25 to 27 feet and 30 - 32 ft submitted for lab analysis Set temporary well (3/4-inch diameter PVC) with screen interval of 25 - 35 feet. Collected groundwater sample. Water had strong petroleum-like odor and visible sheen. Following groundwater sampling, PVC was advanced to 48 ft and the boring grouted to ground surface via tremie.

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental						2 of 2			
Client:		Consolidated Edison of New York									
Contractor:		EPI		Casing Size:		See note on Page 1 of 2		Boring #.			
Drilling Method:		DP (Hurricane)		LEL/O2:				Date Begun:			
Ground Elevation:		203.88 (MSL)		Checked By:		MSG		Completed:			
Logged By:		DAG		Protection Level:		D		Depth to Water:			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
30	30 - 32	S-8	18/24	39.0					Same as Above	SP	
31											
32	32 - 34	S-9	20/24	13.0					Same as Above	SP	
33											
34	34 - 36	S-10	24/24	18.9					34' - 35' Same as Above	SP	
35									35' - 36' Dark gray fine Sand	SP	
36	36 - 38	S-11	24/24	7.8					36' - 37' Olive gray f Sand, tr silt	SP	
37									37' - 38' Olive gray f-m Sand	SP	
38	38 - 40	S-12	24/24	7.4					Olive gray f-m Sand		
39											
40	40 - 42	S-13	6/24	4.4					Same as Above	SP	
41											
42	42 - 44	S-14	24/24	2.6					Same as Above	SP	
43											
44	44 - 46	S-15	20/24	2.4					Olive gray f Sand, trace silt	SP	
45											
46		Bottom of boring @ 46 feet									
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
Well Screen 3/4" PVC temporary well 35 - 25 Filter Pack Divider Seal Annular Seal Surface Seal									NOTES: See notes of Page 1 of 2		

**Appendix B-3
Geotechnical Boring Logs**

JACQUES WHITFORD COMPANY, INC

Project: WHITE PLAINS GEOTECHNICAL INVESTIGATION												
Client: Consolidated Edison Company of NY, Inc.												
Contractor: Subsurface					Casing Size: 3-inch					Boring #: GT-1		
Drilling Method: Drive & Wash					PID: MicroTip					Date Begun: 11/08/99		
Ground Elevation: 205.89 (MSL)					Checked By: NA					Completed: 11/10/99		
Logged By: DAG					Protection Level: D					Depth to Water: 27.5 ft bls		
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification	
						0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1					2.1					Asphslt	8"	
2					3.2							
3					3.7							
4					4.2						Interval Selected for Lab Analysis	SW
5					3.6							
6	3									6		
7	5											
8	4											
9	4	8 - 10	SS-1	9/24		7	6	10	8		Loose, gray-brown well graded Sand	
10	5											
11	11											
12	7											
13	10											
14	6	13 - 15	SS-2	9/24		8	4	4	5	Same as above	SW	
15	8											
16	10											
17	11											
18	7											
19	6	18 - 20	SS-3	7/24		6	4	4	4	Same as above	22	
20	7											
21	9											
22	11											
23	10											
24	7	23 - 25	SS-4	10/24		7	7	9	8	Compact, gray-brown poorly graded Sand	SP	
25	11											
26	10											
27	11											
28	17											
29	10	28 - 30	SS-5	12/24		6	7	7	7	Loose, gray-brown well graded Sand	SW	
30	11											
31	26											
32	20											
33	29											
34	15	33 - 35	SS-6	11/24		7	17	14	13	Dense, gray-brown well graded Sand		
35	21											
36	27											
37	30											
38	29											
39	15	38 -40	SS-7	10/24		9	10	12	12	Same as above		
40	29											
41	24											
42	29											
43	38											
44	19	43 - 45	SS-8	12/24		18	16	12	21	Same as above		
45	21										SW	
46	32											
47	35											

47

JACQUES WHITFORD COMPANY, INC

Project: WHITE PLAINS GEOTECHNICAL INVESTIGATION												
Client: Consolidated Edison Company of NY, Inc.												
Contractor: Subsurface					Casing Size: 3-inch					Boring #: GT-1		
Drilling Method: Drive & Wash					PID: MicroTip					Date Begun: 11/08/99		
Ground Elevation: 205.89 (MSL)					Checked By: NA					Completed: 11/10/99		
Logged By: DAG					Protection Level: D					Depth to Water: 27.5 ft bls		
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification	
						0 - 6"	6" - 12"	12" - 18"	18" - 24"			
48	38									Compact, gray-brown poorly graded Sand	SP 52	
49	21	48 - 50	SS-9	10/24		10	10	16	11			
50	27											
51	37											
52	34											
53	42									Dense, gray-brown well graded Sand	SW 57	
54	22	53 - 55	SS-10	10/24		5	6	8	8			
55	28											
56	40											
57	41											
58	51									Compact, gray-brown poorly graded Sand	SP 77	
59	12	58 - 60	SS-11	4/24		12	13	23	23			
60	13											
61	23											
62	23											
63	27									Same as above		
64	33	63 - 65	SS-12	12/24		5	6	10	9			
65	35											
66	42											
67	47											
68	39									Same as above		
69	33	68 - 70	SS-13	13/24		8	10	16	12			
70	30											
71	30											
72	37											
73	41									Very dense gray-brown poorly graded Sand with Silt and Gravel		
74	43	73 - 74	SS-14	14/24		41	26	56	100/4"			
75	44											
76	60											
77	35											
78										Roller cone through Boulders	SP (TILL) 84	
79		78 - 79.5	RC-1									
80												
81												
82												
83										Boring terminated at 89 feet	BEDROCK	
84												
85												
86		84 - 89	RC-2			REC = 0%		RQD = 0%				
87												
88												
89												
90												

JACQUES WHITFORD COMPANY, INC

WHITE PLAINS GEOTECHNICAL INVESTIGATION														
Project: Client:														
Contractor: Subsurface											Casing Size: 3-inch		Boring #: GT-2	
Drilling Method: Drive & Wash											PID: MicroTip		Date Begun: 11/15/99	
Ground Elevation: 206.09 (MSL)											Checked By: NA		Completed: 11/16/99	
Logged By: DAG											Protection Level: D		Depth to Water:	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification			
						0 - 6"	6" - 12"	12" - 18"	18" - 24"					
1										Asphslt	1			
2					2.5					Concrete	1.5			
3					2.8	Hand Auger to 5 feet								
4					3.0					Brown well graded Sand				
5	16				3.9					Interval Selected for Lab Analysis				
6	10													
7	11													
8	11													
9	16	8 - 10	SS-1	12/24		2	4	4	4	Loose brown well graded Sand				
10	16													
11	18													
12	23										12			
13	14													
14	19	13 - 15	SS-2	17/24		6	9	13	11	Compact gray-brown well graded Sand				
15	21													
16	23													
17	25													
18	14													
19	19	18 - 20	SS-3	8/24		9	10	7	7	Same as above				
20	19													
21	23													
22	31													
23	11													
24	13	23 - 25	SS-4	10/24		11	7	7	5	Same as above				
25	13													
26	17													
27	16										27			
28	18													
29	18	28 - 30	SS-5	13/24		7	11	16	16	Compact, gray-brown poorly graded Sand				
30	17													
31	21													
32	29													
33	32													
34	16	33 - 35	SS-6	12/24		15	15	16	17	Same as above				
35	21													
36	34													
37	34													
38	33													
39	18	38 -40	SS-7	11/24	7.9	12	12	15	17	Same as above				
40	25													
41	28													
42	28													
43	30													
44	21	43 - 45	SS-8	19/24	6.4	12	11	11	14	Same as above				
45	27													
46	29													
47	28										47			

JACQUES WHITFORD COMPANY, INC

Project:		WHITE PLAINS GEOTECHNICAL INVESTIGATION									
Client:		Consolidated Edison Company of NY, Inc.									
Contractor:		Subsurface				Casing Size:		3-inch		Boring #.	GT-2
Drilling Method:		Drive & Wash				PID:		MicroTip		Date Begun:	11/15/99
Ground Elevation:		206.09		(MSL)		Checked By:		NA		Completed:	11/16/99
Logged By:		DAG				Protection Level:		D		Depth to Water:	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification
						0 - 6"	6" - 12"	12" - 18"	18" - 24"		
48	29									Compact, gray-brown well graded Sand	SW
49	22	48 - 50	SS-9	8/24		10	8	10	12		
50	24										
51	29										
52	30										
53	36									Same as above	57
54	25	53 - 55	SS-10	10/24		11	13	19	24		
55	29										
56	37										
57	50										
58	57									Compact, gray-brown poorly graded Sand	72
59	26	58 - 60	SS-11	12/24		10	11	16	19		
60	44										
61	44										
62	50										
63	62									Same as above	SP
64	44	63 - 65	SS-12	11/24	6.0	9	12	16	17		
65	49										
66	55										
67	59										
68	69									Same as above	72
69	53	68 - 70	SS-13	12/24		5	7	10	12		
70	49										
71	55										
72	77										
73	92									Very dense gray-brown poorly graded Sand with Gravel	SP (TILL)
74	52	73 - 75	SS-14	8/24		22	34	32	35		
75	80										
76	72										
77	84										
78	139									Same as above	
79		78 - 80	SS-15	12/24		39	63	120/4"			
80										Boring terminated at 79.3 feet	

JACQUES WHITFORD COMPANY, INC

Project:						WHITE PLAINS GEOTECHNICAL INVESTIGATION						
Client:						Consolidated Edison Company of NY, Inc.						
Contractor:						Subsurface		Casing Size:		3-inch		
Drilling Method:						Drive & Wash		PID:		MicroTip		
Ground Elevation:						206.37 (MSL)		Checked By:		NA		
Logged By:						DAG		Protection Level:		D		
										Boring #:		
										GT-3		
										Date Begun:		
										11/11/99		
										Completed:		
										11/12/99		
										Depth to Water:		
										28 ft bls		
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification	
						0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1										Asphslt	1	
2										Concrete	2	
3					5.2	Hand Auger to 5 feet				Brown well graded Sand <i>Interval Selected for Lab Analysis</i>	SW	
4					5.3							
5					5.8							
6	6											
7	7									Loose brown well graded Sand		12
8	8											
9	6	8 - 10	SS-1	12/24		3	3	2	4			
10	7											
11	7											
12	9									Loose gray-brown well graded Sand	SW	
13	13											
14	6	13 - 15	SS-2	8/24		2	3	3	5			
15	9											
16	10											
17	13											
18	13									Same as above		22
19	11	18 - 20	SS-3	9/24		4	4	4	5			
20	14											
21	18											
22	20											
23	23									Compact gray-brown poorly graded Sand	SP	
24	20	23 - 25	SS-4	12/24		9	11	10	7			
25	15											
26	19											
27	33											
28	34											
29	21	28 - 30	SS-5	10/24		11	9	13	12	Same as above		Same as above
30	24											
31	27											
32	31											
33	29											
34	21	33 - 35	SS-6	10/24		7	8	10	11			
35	30											
36	34											
37	35											
38	40											
39	26	38 - 40	SS-7	12/24	18	11	12	12	12			
40	30											
41	49											
42	34											
43	39											
44	24	43 - 45	SS-8	12/24	11	15	12	12	11			
45	24											

JACQUES WHITFORD COMPANY, INC

Project:		WHITE PLAINS GEOTECHNICAL INVESTIGATION												
Client:		Consolidated Edison Company of NY, Inc.												
Contractor:		Subsurface				Casing Size:		3-inch		Boring #:	GT-3			
Drilling Method:		Drive & Wash				PID:		MicroTip		Date Begun:	11/11/99			
Ground Elevation:		206.37 (MSL)				Checked By:		NA		Completed:	11/12/99			
Logged By:		DAG				Protection Level:		D		Depth to Water:	28 ft bls			
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification			
						0 - 6"	6" - 12"	12" - 18"	18" - 24"					
46	30									Same as above	SW			
47	34													
48	21													
49	23	48 - 50	SS-9	13/24	5.5	7	8	11	10					
50	23													
51	28									Same as above		SW		
52	34													
53	39													
54	32	53 - 55	SS-10	11/24	5	11	13	18	21					
55	30													
56	25									Same as above			SW	
57	34													
58	50													
59	29	58 - 60	SS-11	10/24		13	18	19	23					
60	25													
61	52									Compact, olive-gray poorly graded Sand with Silt				SP - SM
62	52													
63	54													
64	62	63 - 65	SS-12	12/24		16	23	22	15					
65	53													
66	64									Same as above	SP - SM			
67	70													
68	67													
69		68 - 70	SS-13	14/24		11	4	8	26					
70														
71										Dense gray-brown poorly graded Sand with Gravel		SP (TILL)		
72														
73														
74	53	73 - 75	SS-14	7/24		21	16	11	8					
75	51													
76	60									Same As Above Boring terminated at 80 feet	SP (TILL)			
77														
78														
79		78 - 79	SS-15	8/12		79	89							
80														

JACQUES WHITFORD COMPANY, INC

WHITE PLAINS GEOTECHNICAL INVESTIGATION												
Project: Client: Consolidated Edison Company of NY, Inc.												
Contractor: Subsurface					Casing Size: 3-inch					Boring #: GT-4		
Drilling Method: Drive & Wash					PID: MicroTip					Date Begun: 11/16/99		
Ground Elevation: 206.17 (MSL)					Checked By: NA					Completed: 11/18/99		
Logged By: DAG					Protection Level: D					Depth to Water: 27 ft bls		
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification	
						0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1										Asphslt	1	
2										Concrete	2	
3					3.7	Hand Auger to 5 feet					SW	
4					3.1					Brown well graded Sand		
5					4.0					Interval Selected for Lab Analysis		
6	8											
7	6											
8	6											
9	6	8 - 10	SS-1	10/24		4	4	5	4	Loose brown well graded Sand		
10	10											
11	12											
12	9											
13	8											
14	6	13 - 15	SS-2	10/24		2	3	3	3	Same as above		
15	8											
16	13											
17	16											
18	13											
19	9	18 - 20	SS-3	10/24		3	8	9	9	Same as above		
20	13											
21	18											
22	14											
23	18											
24	8	23 - 25	SS-4	10/24		5	5	6	5	Same as above		
25	6											
26	10											
27	17										27	
28	28											
29	11	28 - 30	SS-5	11/24		10	10	11	17	Compact, gray-brown poorly graded Sand	SP	
30	18											
31	21											
32	28										32	
33	25											
34	16	33 - 35	SS-6	12/24		13	13	15	15	Compact, gray-brown well graded Sand		
35	24											
36	26											
37	41											
38	35											
39	13	38 -40	SS-7	8/12		10	9	7	10	Same as above		
40	19											
41	29										41	
42	25											
43	21											
44	19	43 - 45	SS-8	11/24		9	10	12	14	Compact, gray-brown poorly graded Sand	SP	
45	21											
46	29											
47	31										47	

JACQUES WHITFORD COMPANY, INC

Project:						WHITE PLAINS GEOTECHNICAL INVESTIGATION							
Client:						Consolidated Edison Company of NY, Inc.							
Contractor:			Subsurface			Casing Size:		3-inch		Boring #.		GT-4	
Drilling Method:			Drive & Wash			PID:		MicroTip		Date Begun:		11/16/99	
Ground Elevation:			206.17		(MSL)	Checked By:		NA		Completed:		11/18/99	
Logged By:			DAG			Protection Level:		D		Depth to Water:		27 ft bls	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification		
						0 - 6"	6" - 12"	12" - 18"	18" - 24"				
48	23									Compact, gray-brown well graded Sand	SW		
49	22	48 - 50	SS-9	7/24		7	9	11	10				
50	23												
51	32												
52	35												
53	27									Compact, gray-brown poorly graded Sand	SP		
54	31	53 - 55	SS-10	10/24		11	14	18	23				
55	28												
56	45												
57	28												
58	55												
59	31	58 - 60	SS-11	12/24		9	11	14	14				
60	24												
61	25												
62	31												
63	32									Same as above	SP		
64	34	63 - 65	SS-12	12/24		7	9	13	23				
65	30												
66	30												
67	35												
68	100/10"									Boulders 68 to 73.5 feet	SP		
69		68 - 70											
70													
71													
72													
73										Very dense gray-brown poorly graded Sand with Gravel and Boulders	SP (TILL)		
74		74 - 75.4	SS-13	10/17		16	42	120/4"					
75													
76													
77													
78													
79													
80													
81		78 - 80											
82		81 - 83	SS-14	24/24		19	26	26	41				
83										Same As Above			
84													
85													
Boring terminated at 83 feet													

JACQUES WHITFORD COMPANY, INC

WHITE PLAINS GEOTECHNICAL INVESTIGATION											
Project: Client: Consolidated Edison Company of NY, Inc.											
Contractor: Subsurface					Casing Size: 3-inch					Boring #: GT-5	
Drilling Method: Drive & Wash					PID: MicroTip					Date Begun: 11/16/99	
Ground Elevation: 206.29 (MSL)					Checked By: NA					Completed: 11/17/99	
Logged By: DAG					Protection Level: D					Depth to Water:	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification
						0 - 6"	6" - 12"	12" - 18"	18" - 24"		
1										Asphslt	1
2					4.1					Brown well graded Sand	SW
3					3.2	Hand Auger to 5 feet					
4					3.7						
5	10				3.0						
6	13										
7	15									Interval Selected for Lab Analysis (1-5')	
8	15										
9	17										
10	9	9 - 11	SS-1	10/24		4	4	5	4		
11	14										
12	16									Loose brown well graded Sand	
13	21										
14	28										
15	5	14 - 16	SS-2	8/24		6	6	5	8		
16	5										
17	12									Compact gray-brown poorly graded Sand	
18	13										
19	15										
20	6	19 - 21	SS-3	10/24		3	6	6	8		
21	15										
22	21									Same as above	
23	31										
24	45										
25	3	24 - 26	SS-4	10/24		8	9	10	9		
26	10										
27	17									Compact, gray-brown well graded Sand	
28	20										
29	26										
30	8	29 - 31	SS-5	11/24		8	9	12	13		
31	12										
32	20									Compact, gray-brown poorly graded Sand	
33	29										
34	44										
35	13	34 - 36	SS-6	14/24		7	11	13	15		
36	30										
37	38									Same as above	
38	60										
39	68										
40	20	39 - 41	SS-7	11/24	2.0	8	9	11	13		
41	26										
42	30									Same as above	
43	36										
44	34										
45	27	44 - 46	SS-8	9/24	1.8	8	11	13	17		
46	56										
47	84									Compact, gray-brown well graded Sand	
48	96										
										SW	48

JACQUES WHITFORD COMPANY, INC

Project:						WHITE PLAINS GEOTECHNICAL INVESTIGATION					
Client:						Consolidated Edison Company of NY, Inc.					
Contractor:						Subsurface		Casing Size:		3-inch	
Drilling Method:						Drive & Wash		PID:		MicroTip	
Ground Elevation:						206.29 (MSL)		Checked By:		NA	
Logged By:						DAG		Protection Level:		D	
										Depth to Water:	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification
						0 - 6"	6" - 12"	12" - 18"	18" - 24"		
49	94									Compact, gray-brown poorly graded Sand	SP
50	36	49 - 51	SS-9	4/24	1.8	8	10	11	19		
51	36										
52	46										
53	55										
54	76										
55	47	54 - 56	SS-10	9/24	3.2	9	11	12	13		
56	76										
57	110										
58	94										
59	118										
60	40	59 - 61	SS-11	8/24	14.9	6	8	11	11		
61	59									Compact, gray-brown poorly graded Sand	SP
62	86										
63	98										
64	109										
65		64 - 66	SS-12	13/24	16.4	7	9	10	13		
66											
67											
68											
69											
70		69 - 71	SS-13	1/24		100/1"	7	10	12		
71										Rock in spoon	SP (TILL)
72											
73											
74											
75		74 - 76	SS-14	18/24	2.3	8	11	10	14		
76											
77											
78											
79		78 - 80	SS-15	18/24	4.0	9	13	11	16		
80											

JACQUES WHITFORD COMPANY, INC

Project:		WHITE PLAINS GEOTECHNICAL INVESTIGATION													
Client:		Consolidated Edison Company of NY, Inc.													
Contractor:		Subsurface				Casing Size:		3-inch		Boring #:		GT-6			
Drilling Method:		Drive & Wash				PID:		MicroTip		Date Begun:		11/15/99			
Ground Elevation:		206.52		(MSL)				Checked By:		NA		Completed:		11/16/99	
Logged By:		DAG				Protection Level:		D		Depth to Water:					
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification				
						0 - 6"	6" - 12"	12" - 18"	18" - 24"						
1										Asphslt		1			
2										Concrete		2			
3					3.4	Hand Auger to 5 feet				Brick debris, gravel, some well-graded					
4					3.0					Sand (FILL)					
5					4.1					Interval Selected for Lab Analysis					
6										SW	7				
7															
8															
9															
10	9	9 - 11	SS-1	2/24		2	2	5	5		Loose gray-brown well graded Sand				
11	8														
12	12														
13	11														
14	7														
15	8	14 - 16	SS-2	7/24		8	9	4	4		Compact gray-brown well graded Sand				
16	12														
17	15														
18	24														
19	17														
20	9	19 - 21	SS-3	10/24		5	6	10	13		Same as above				
21	11														
22	28														
23	32														
24	31														
25	16	24 - 26	SS-4	10/24		9	13	12	13		Same as above				
26	19														
27	21														
28	28														
29	24														
30	17	29 - 31	SS-5	11/24		7	8	10	13		Same as above				
31	31														
32	24														
33	40														
34	38														
35	17	34 - 36	SS-6	12/24	2.4	9	11	15	17		Same as above				
36	27														
37	34														
38	40														
39	39														
40	27	39 - 41	SS-7	12/24		8	11	13	16		Same as above				
41	22														
42	23														
43	33														
44	38														
45	28	44 - 46	SS-8	14/24	1.8	11	14	25	29	Compact, gray-brown poorly graded Sand	SP				
46	45														
47	68														

JACQUES WHITFORD COMPANY, INC

Project: WHITE PLAINS GEOTECHNICAL INVESTIGATION														
Client: Consolidated Edison Company of NY, Inc.														
Contractor: Subsurface					Casing Size: 3-inch		Boring #: GT-6							
Drilling Method: Drive & Wash					PID: MicroTip		Date Begun: 11/15/99							
Ground Elevation: 206.52 (MSL)					Checked By: NA		Completed: 11/16/99							
Logged By: DAG					Protection Level: D		Depth to Water:							
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification			
						0 - 6"	6" - 12"	12" - 18"	18" - 24"					
48	64									Same as above	SP			
49	66													
50	41	49 - 51	SS-9	12/24		13	17	20	21					
51	49													
52	59													
53	64										52			
54	73									Compact, olive-gray poorly graded Sand with Silt	SP - SM			
55	51	54 - 56	SS-10	14/24		5	7	8	10					
56	44													
57	60													
58	67													
59	68									Same as above		68		
60	54	59 - 61	SS-11	12/24	8.7	5	4	5	8					
61	52													
62	57													
63	66													
64	74									Same as above			SP (TILL)	
65	97	64 - 65	SS-12	8/12	16.1	20	100/5"							
66	106													
67	99													
68	114													
69	117									Very dense gray-brown poorly graded Sand with Gravel, Cobbles & Boulders				
70	90													
71	120	70 - 72	SS-13	14/24	13.5	79	65	42	89					
72	99													
73	140													
74	145									Same as above				
75	131	74 - 76	SS-14	12/24	9.5	11	17	20	40					
76	162													
77	181													
78	173	77 - 79	SS-15	12/24	17.0	28	32	39	57					
79										Same as above				
80														
Boring terminated at 79 feet														

JACQUES WHITFORD COMPANY, INC

Project:		WHITE PLAINS GEOTECHNICAL INVESTIGATION									
Client:		Consolidated Edison Company of NY, Inc.									
Contractor:		Subsurface				Casing Size:		3-inch		Boring #:	GT-7
Drilling Method:		Drive & Wash				PID:		MicroTip		Date Begun:	11/18/99
Ground Elevation:		205.91 (MSL)				Checked By:		NA		Completed:	11/19/99
Logged By:		DAG				Protection Level:		D		Depth to Water:	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification
						0 - 6"	6" - 12"	12" - 18"	18" - 24"		
1										Asphslt	1
2										Concrete	2
3					3.6	Hand Auger to 5 feet					SW
4					3.8					Brown well graded Sand	
5	11				5.4					Interval Selected for Lab Analysis	
6	11										
7	16										
8	10										
9	12										
10	6	9 - 11	SS-1	8/24		9	8	11	10	Compact brown well graded Sand	
11	6										
12	9										
13	11										
14	13										
15	5	14 - 16	SS-2	12/24		8	8	11	15	Same as above	SW
16	7										
17	13										
18	13										
19	15										
20	11	19 - 21	SS-3	11/24		8	10	10	10	Compact gray-brown well graded Sand	
21	14										
22	18										
23	20										
24	17										
25	9	24 - 26	SS-4	11/24		3	5	6	8	Same as above	SW
26	9										
27	11										
28	14										
29	20										
30	9	29 - 31	SS-5	10/24		6	8	11	14	Same as above	
31	11										
32	20										
33	24										
34	25										
35	14	34 - 36	SS-6	10/24		8	9	9	11	Compact gray-brown poorly graded Sand	SP
36	14										
37	22										
38	34										
39	36										
40	14	39 - 41	SS-7	6/24		9	13	13	17	Same as above	
41	20										
42	25										
43	38										
44	40										
45	14	44 - 46	SS-8	12/24		10	10	11	15	Compact, gray-brown well graded Sand	SW
46	17										
47	22										

JACQUES WHITFORD COMPANY, INC

Project: WHITE PLAINS GEOTECHNICAL INVESTIGATION											
Client: Consolidated Edison Company of NY, Inc.											
Contractor: Subsurface						Casing Size: 3-inch				Boring #: GT-7	
Drilling Method: Drive & Wash						PID: MicroTip				Date Begun: 11/18/99	
Ground Elevation: 205.91 (MSL)						Checked By: NA				Completed: 11/19/99	
Logged By: DAG						Protection Level: D				Depth to Water:	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification
						0 - 6"	6" - 12"	12" - 18"	18" - 24"		
48	26									Same as above	SW
49	34										
50	37	49 - 51	SS-9	10/24		9	15	15	17		
51	37										
52	55										
53	99										53
54	110									Compact, gray-brown poorly graded Sand	SP
55	40	54 - 56	SS-10	14/24		9	11	15	14		
56	48										
57	57										
58	70										
59	88									Same as above	62
60	56	59 - 61	SS-11	12/24		9	11	11	14		
61	79										
62	85										
63	124										
64	98									Dense olive-gray poorly graded Sand with Silt	SP - SM
65	61	64 - 65	SS-12	16/24		15	16	18	20		
66	59										
67	65										
68	132										
69	145									Very loose gray-brown poorly graded Sand with Silt, trace clay	74
70	74	69 - 70	SS-13	16/24		6	1	1	1		
71	99										
72											
73											
74										Spoon dropped to 74 ft from weight of rods.	SP (TILL)
75										Boulders at 74 feet	
76											
77											
78		77 - 79	SS-14	24/24		3	2	4	5	Wash	
79											
80										Boring terminated at 79 feet	

JACQUES WHITFORD COMPANY, INC

Project:						WHITE PLAINS GEOTECHNICAL INVESTIGATION							
Client:						Consolidated Edison Company of NY, Inc.							
Contractor:						Subsurface		Casing Size:		3-inch	Boring #:	GT-8	
Drilling Method:						Drive & Wash		PID:		MicroTip	Date Begun:	11/17/99	
Ground Elevation:						206.24	(MSL)			Checked By:	NA	Completed:	11/18/99
Logged By:						DAG		Protection Level:		D	Depth to Water:	28 ft bls	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification		
						0 - 6"	6" - 12"	12" - 18"	18" - 24"				
1										Asphslt Concrete	1		
2											2		
3					3.7	Hand Auger to 5 feet				Brown well graded Sand Interval Selected for Lab Analysis	SW		
4					3.2								
5					4.9								
6	3												
7	7									Loose brown well graded Sand			
8	11												
9	8	8 - 10	SS-1	7/24		3	3	2	3				
10	8												
11	12												
12	16												
13	18												
14	13	13 - 15	SS-2	10/24		3	4	5	5				
15	19												
16	16												
17	21												
18	32												
19	7	18 - 20	SS-3	10/24		7	11	16	15				
20	13									Same as above			
21	21												
22	36												
23	37												
24	18	23 - 25	SS-4	11/24		11	13	16	16				
25	22												
26	16									Compact, gray-brown well graded Sand			
27	13												
28	19												
29	13	28 - 30	SS-5	10/24		4	4	6	8				
30	15												
31	20												
32	22									Compact, gray-brown poorly graded Sand			
33	23												
34	16	33 - 35	SS-6	12/24	11.0	6	9	11	12				
35	19												
36	27												
37	31												
38	49									Same as above			
39	13	38 - 40	SS-7	8/12	11.2	15	13	13	12				
40	13												
41	17	40 - 42	SS-8	12/24	12	11	13	9	9				
42	23												
43	29												
44	13	43 - 45	SS-9	12/24	12	5	8	10	9	Same as above			
45	16												
											45		

JACQUES WHITFORD COMPANY, INC

Project:							WHITE PLAINS GEOTECHNICAL INVESTIGATION								
Client:							Consolidated Edison Company of NY, Inc.								
Contractor:							Subsurface		Casing Size:		3-inch		Boring #.	GT-8	
Drilling Method:							Drive & Wash		PID:		MicroTip		Date Begun:	11/17/99	
Ground Elevation:							206.24 (MSL)				Checked By:		NA	Completed:	11/18/99
Logged By:							DAG				Protection Level:		D	Depth to Water:	28 ft bls
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification				
						0 - 6"	6" - 12"	12" - 18"	18" - 24"						
46	17	45 - 47	SS-10	18/24	11.8	5	7	8	8	Compact, gray-brown poorly graded Sand	SP 48				
47	26														
48	31														
49	18	48 - 50	SS-11	10/24	7.3	3	5	6	7	Compact, gray-brown well graded Sand	SW 53				
50	23														
51	27	50 - 52	SS-12	22/24	6.8	5	5	7	9						
52	35									Same as above	SP 63				
53	36														
54	35	53 - 55	SS-13	12/24	4.9	5	6	9	6						
55	32									Compact, gray-brown poorly graded Sand	SP 72				
56	34	55 - 57	SS-14	12/24	5.8	5	5	6	8						
57	41														
58	43									Same as above	SP 72				
59	39	58 - 60	SS-15	10/24	5.9	6	7	9	13						
60	36														
61	42	60- 62	SS-16	16/24	19	8	9	9	12	Same as above <i>Interval Selected for lab Analysis</i>	SP-SM 72				
62	49														
63	53														
64	61	63 - 65	SS-17	10/24	7.9	8	11	13	14	Compact, olive-brown poorly graded Sand with silt	SP-SM 72				
65	53														
66	66	65 - 67	SS-18	14/24	7.3	9	7	18	26						
67	85									Same as above	SP (TILL)				
68	136														
69	58	68 - 70	SS-19	10/24	12.3	18	29	29	19						
70	67									Same as above	SP (TILL)				
71	74	70 - 72	SS-20	8/24		12	12	13	40						
72	127														
73	168/10"									Boulders at 72 ft	SP (TILL)				
74															
75															
76										Very dense gray-brown poorly graded Sand with Gravel, Cobbles & Boulders	SP (TILL)				
77		76 - 77.2	SS-21	6/14		49	73	100/2"							
78															
79										Boring terminated at 80 feet	SP (TILL)				
80															

JACQUES WHITFORD COMPANY, INC

WHITE PLAINS GEOTECHNICAL INVESTIGATION												
Project: Client: Consolidated Edison Company of NY, Inc.												
Contractor: Subsurface					Casing Size: 3-inch					Boring #: GT-9		
Drilling Method: Drive & Wash					PID: MicroTip					Date Begun: 11/22/99		
Ground Elevation: 205.96 (MSL)					Checked By: NA					Completed: 11/23/99		
Logged By: MSG					Protection Level: D					Depth to Water:		
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification	
						0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1										Asphslt	0.5	
2					1.7					Concrete	1.5	
3					1.5	Hand Auger to 5 feet					SW	
4					2.1					Brown well graded Sand		
5					2.4					Interval Selected for Lab Analysis		
6												
7												
8												
9	7	8 - 10	SS-1	10/24	3	3	4	5	5	Loose brown well graded Sand		
10	11											
11	11											
12	14										12	
13	16											
14	8	13 - 15	SS-2	8/24	3	4	4	5	7	Compact, gray-brown poorly graded Sand		
15	9											
16	18											
17	22											
18	23										SP	
19	9	18 - 20	SS-3	12/24	4	6	7	7	9	Same as above		
20	20											
21	28											
22	36										22	
23	35											
24	5	23 - 25	SS-4	10/24	5	3	6	7	9	Compact, gray-brown well graded Sand		
25	12											
26	19											
27	26										SW	
28	29											
29	7	28 - 30	SS-5	10/24	40	9	13	14	15	Same as above	29	
30	15											
31	27											
32	22											
33	26											
34	12	33 - 35	SS-6	15/24	33	7	9	13	16	Compact, gray-brown poorly graded Sand		
35	20											
36	32											
37	36											
38	34											
39	13	38 - 40	SS-7	12/24	20	8	9	11	12	Same as above		
40	19											
41	28											
42	32											
43	29											
44	11	43 - 45	SS-8	12/24	5	9	11	11	12	Same as above		
45	17											
46	22											
47	35											
48	44											

JACQUES WHITFORD COMPANY, INC

Project:		WHITE PLAINS GEOTECHNICAL INVESTIGATION									
Client:		Consolidated Edison Company of NY, Inc.									
Contractor:		Subsurface				Casing Size:		3-inch		Boring #.	GT-9
Drilling Method:		Drive & Wash				PID:		MicroTip		Date Begun:	11/22/99
Ground Elevation:		205.96 (MSL)				Checked By:		NA		Completed:	11/23/99
Logged By:		MSG				Protection Level:		D		Depth to Water:	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification
						0 - 6"	6" - 12"	12" - 18"	18" - 24"		
49	26	48 - 50	SS-9	9/24		6	7	7	14	Same as above	SP
50	30										
51	29										
52	32										
53	52										
54	31	53 - 55	SS-10	9/24		5	5	8	10	Same as above	
55	31										
56	28										
57	48										
58	62										
59	25	58 - 60	SS-11	12/24		7	9	12	15	Same as above	
60	33										
61	53										
62	87										
63	108										
64	51	63 - 65	SS-12	12/24		9	13	15	16	Compact, olive-brown poorly graded Sand with silt	SP - SM
65	62										
66	69										
67	102										
68	167										
69	27*	68 - 70	SS-13	9/24		4	6	6	24	Same as above	
70	25*										
71	29*										
72	29*										
73	32*										
74		74 - 76	SS-14	15/24		15	15	15	12	Same as above	
75											
76											
77											
78											
79											
80		79 - 81	SS-15	15/24		14	9	7	7	Very dense gray-brown poorly graded Sand with Gravel, Cobbles & Boulders	SP (TILL)
81											
82											
83											
84											
85											

NOTES: * Casing advanced after washing ahead 5-feet.

JACQUES WHITFORD COMPANY, INC

WHITE PLAINS GEOTECHNICAL INVESTIGATION												
Client: Consolidated Edison Company of NY, Inc.												
Contractor: Subsurface						Casing Size: 3-inch		Boring #: GT-10				
Drilling Method: Drive & Wash						PID: MicroTip		Date Begun: 11/23/99				
Ground Elevation: 205.66 (MSL)						Checked By: NA		Completed: 11/24/99				
Logged By: DAG						Protection Level: D		Depth to Water:				
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification	
						0 - 6"	6" - 12"	12" - 18"	18" - 24"			
1										Asphslt	0.5	
2										Concrete	1.5	
3					2.0	Hand Auger to 5 feet				Brown well graded Sand Interval Selected for Lab Analysis	SW	
4					1.7							
5					2.1							
6												
7										Loose brown well graded Sand		
8												
9	7	8 - 10	SS-1	12/24		7	7	6	6			
10	12											
11	16											
12	17											
13	12											
14	1	13 - 15	SS-2	3/24		3	3	4	5	Same as above	17	
15	4											
16	6											
17	7											
18	8											
19	5	18 - 20	SS-3	12/24		3	3	5	7	Compact gray-brown poorlyl graded Sand	SP	
20	10											
21	15											
22	19											
23	25											
24	6	23 - 25	SS-4	12/24	6	5	7	7	7	Same as above		
25	7											
26	16											
27	21									27		
28	22									Compact gray-brown well graded Sand	SW	
29	6	28 - 30	SS-5	9/24	5	6	7	7	9			
30	9											
31	15											
32	29											
33	30											
34	10	33 - 35	SS-6	8/24	2.5	4	5	7	8	Same as above		
35	14											
36	28											
37	30									37		
38	31									Compact gray-brown poorlyl graded Sand	SP	
39	13	38 -40	SS-7	11/24	5.5	7	8	8	9			
40	17											
41	21											
42	27											
43	26											
44	14	43 - 45	SS-8	14/24	21	6	8	9	6	Compact gray-brown well graded Sand	SW	
45	20											
46	26											
47	29											
48	33											

JACQUES WHITFORD COMPANY, INC

Project:						WHITE PLAINS GEOTECHNICAL INVESTIGATION					
Client:						Consolidated Edison Company of NY, Inc.					
Contractor:						Subsurface		Casing Size:		3-inch	
Drilling Method:						Drive & Wash		PID:		MicroTip	
Ground Elevation:						205.66 (MSL)		Checked By:		NA	
Logged By:						DAG		Protection Level:		D	
										Depth to Water:	
Depth (ft)	Casing Blows per Foot	Sample Interval (ft)	Sample No.	Rec/Pen	PID Sample (ppm)	Standard Penetration Test (blows/6-inches)				Soil/Rock Description	Soil Classification
						0 - 6"	6" - 12"	12" - 18"	18" - 24"		
49	19	48 - 50	SS-9	9/24	2.5	6	7	9	10	Same as above	SW 52
50	27										
51	38										
52	49										
53	57										
54	25	53 - 55	SS-10	11/24		10	8	10	11	Compact gray-brown poorly graded Sand	SP 57
55	25										
56	30										
57	40										
58	32										
59	30	58 - 60	SS-11	10/24		8	10	12	11	Compact, olive-brown poorly graded Sand with silt	SP - SM 69
60	26										
61	38										
62	35										
63	52										
64	34	63 - 65	SS-12	9/24		10	11	13	18	Same as above	
65	46										
66	59										
67	75										
68	96										
69		68 - 70	SS-13	10/24		16	36	82	120/5"	Same as above	
70											
71											
72											
73											
74										Drill through cobbles from 69.5 to 78 feet	SP (TILL)
75											
76											
77											
78											
79											
80										Boring terminated at 79.5 feet	

**Appendix B-4
Radiological Boring Logs**

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA		Boring No. RB-1U				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 04/10/01				
Ground Elevation: NM					Checked By: NJO		Date Completed: 04/10/01				
Logged By: DJL					Protection Level: D		Depth to Water: NA				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5			0.0	Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5-1.5			0.0					Brown-tan, c-m SAND.	SM	
2	1.5-2.5			0.0					Some silt.		
3	3.5-4.5			0.0					Brown-tan, c-m SAND.	SW	
4									Trace gravel.		
5	5.0-9.0			0.0					Brown-tan, c-m SAND.	SW	
6									Trace gravel.		
7											
8											
9	9.0-12.0			0.0					Brown-tan, c-m SAND.	SW	
10									Trace gravel.		
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental									
Client:		Consolidated Edison of New York									
Contractor:		EPI		Casing Size:		NA		Boring No.		RB-2U	
Drilling Method:		DP (Hurricane)		LEL/O2:		NA		Date Started:		04/10/01	
Ground Elevation:		NM		Checked By:		NJO		Date Completed:		04/10/01	
Logged By:		DJL		Protection Level:		D		Depth to Water:		NA	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5-1.5			0.0					Brown-tan, c-m SAND. Trace to some Gravel.	SW	
2	1.5-2.5			0.0							
3											
4											
5											
6	5.0-9.0			0.0					Brown-tan, c-m SAND. Some gravel.	SW	
7											
8											
9											
10	9.0-12.0			0.0							
11									Brown-tan, c-m SAND. Little gravel.	SW	
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project:						Con Edison: White Plains Environmental							
Client:						Consolidated Edison of New York							
Contractor:		EPI				Casing Size:		NA		Boring No.		RB-3U	
Drilling Method:		DP (Hurricane)				LEL/O2:		NA		Date Started:		04/10/01	
Ground Elevation:		NM				Checked By:		NJO		Date Completed:		04/10/01	
Logged By:		DJL				Protection Level:		D		Depth to Water:		NA	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction		
					0 - 6"	6" - 12"	12" - 18"	18" - 24"					
0	0.5-1.0			0.0	Hand Dug to 5 ft bg.				Asphalt (6") / Gravel (6")		NA		
1	1.0 - 2.5			0.0					Brown c-m SAND. Some silt a	SM			
2	2.5-3.5			0.0					Brown.tan, c-m SAND. tr silt	SW			
3	3.5-4.5			0.0					and some gravel	SW			
4	4.5-5.0			0.0					Brown-tan, c-m SAND.	SW			
5	5.0-9.0			0.0					Some to little gravel.	SW			
6													
7													
8													
9	9.0-12.0			0.0					Brown-tan, c-m SAND.	SW			
10									Trace gravel.				
11													
12													
									Bottom of boring @ 12 ft bg.				
									NOTES: 1) Soil Boring was grouted upon completion.				

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental											
Client:		Consolidated Edison of New York											
Contractor:		EPI				Casing Size:		NA		Boring No.		RB-4U	
Drilling Method:		DP (Hurricane)				LEL/O2:		NA		Date Started:		04/10/01	
Ground Elevation:		NM				Checked By:		NJO		Date Completed:		04/10/01	
Logged By:		DJL				Protection Level:		D		Depth to Water:		NA	

Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1.5				Hand Dug to 5 ft bg.				Asphalt (6") / Concrete (1')		
1	1.5-2.5			0.0					Brown-Tan, c-m SAND.	SW	
2	2.5-3.5			0.0					Brown-Tan, c-m SAND.	SW	
3	3.5-4.5			0.0					Brown-Tan, c-m SAND.	SW	
4											
5	5.0-9.0			0.0					Brown-Tan, c-m SAND.	SW	
6											
7											
8											
9	9.0-12.0			0.0					Brown-Tan, c-m SAND.	SW	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		

	NOTES: 1) Soil Boring was grouted upon completion.
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JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA		Boring No. RB-5U				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Begun: 04/10/01				
Ground Elevation: NM					Checked By: NJO		Completed: 04/10/01				
Logged By: DJL					Protection Level: D		Depth to Water: NA				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1.5				Hand Dug to 5 ft bg.				Asphalt (6") / Concrete (1')		NA
1	1.5-2.5			0.0					Brown, c-m SAND, Little gravel.	SW	
2											
3	3.5-4.5			0.0					Brown, c-m SAND, Little gravel.	SW	
4											
5	5.0-9.0			0.0					Brown, c-m SAND,	SW	
6											
7											
8											
9	9.0-12.0			0.0					Brown, c-m SAND, Some silt.	SM	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-6U		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/10/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/10/01		
Logged By: DJL					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0-1.5				Hand Dug to 5 ft bg.				Asphalt (4") / Concrete (1')		
1	1.5-2.5			0.0					Brown, c-m SAND. Some gr.	SW	
2									Brown, c-m SAND. Brown, c-m SAND.	SW SW	
3											
4	4.5-5.0			0.0							
5	5.0-9.0			0.0							
6											
7											
8											
9	9.0-12.0			0.0					Brown, c-m SAND.	SW	
10									Bottom of boring @ 12 ft bg.		
11											
12											
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental											
Client:		Consolidated Edison of New York											
Contractor:		EPI		Casing Size:				NA		Boring No.		RB-7U	
Drilling Method:		DP (Hurricane)		LEL/O2:				NA		Date Started:		04/09/01	
Ground Elevation:		NM		Checked By:				NJO		Date Completed:		04/09/01	
Logged By:		AS		Protection Level:				D		Depth to Water:		NA	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction		
					0 - 6"	6" - 12"	12" - 18"	18" - 24"					
0	0-1.5				Hand Dug to 5 ft bg.				Asphalt (5") / Concrete (1')		NA		
1	1.5-5.0			0.0					Brown c-f silty SAND. Little gravel. Loose and dry.	SM			
2													
3													
4													
5	5.0-9.0			0.0					Orange, brown, tan c-f SAND. Trace silt. Loose and dry.	SW			
6													
7													
8													
9	9.0-12.0			0.0					Orange, brown, tan c-f SAND. Trace silt. Loose and dry.	SW			
10													
11													
12													
									Bottom of boring @ 12 ft bg.				
									NOTES: 1) Soil Boring was grouted upon completion.				

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-8U			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/09/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/09/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1.0				Hand Dug to 5 ft bg.				Asphalt		NA
1	1.0 - 2.0			0.0					Brown silty SAND. Some gravel. Loose and dry.	SM	
2											
3	2.0-3.0			0.0					Brown silty SAND and sandy SILT. Tr. gravel. Loose / dry	SM/ML	
4											
5	5.0-9.0			0.0					Brown silty SAND. Trace gravel. Loose and dry.	SM	
6				0.0							
7											
8											
9											
10	9.0-12.0			0.0					Orange, brown, tan c-f SAND. Trace silt. Trace gravel. Loose and dry.	SW	
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA		Boring No. RB-9U				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 04/09/01				
Ground Elevation: NM					Checked By: NJO		Date Completed: 04/09/01				
Logged By: AS					Protection Level: D		Depth to Water: NA				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1.5				Hand Dug to 5 ft bg.				Asphalt (6") / Concrete (1')		
1	1.5-3.0			0.0					Brown silty SAND.. Trace gravel. Loose and dry.	SM	
2									Orange, brown c-f SAND.	SW	
3	3.0-5.0			0.0					Trace silt. Loose and dry.	SW	
4	4.0-5.0			0.0					Orange, brown, tan c-f SAND.	SW	
5	5.0-9.0			0.0					Trace silt. Loose and dry.		
6											
7											
8											
9	9.0-12.0			0.0					Orange, brown, tan c-f SAND.	SW	
10									Trace silt. Loose and dry.		
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-10U			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/09/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/09/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0.0-0.5				Hand Dug to 5 ft bg.				Asphalt / Gravel	SM	NA
1	0.5-2.0								Brown silty SAND.. Trace gravel. Loose and dry. Moist at 3.5 ft bg. Hit rock at 4 ft bg.	SM	
2	2.0-4.0			0.0						SM	
3										SM	
4	4.0-5.0			0.0						SM	
5	5.0-9.0			0.0						SM	
6									Brown fill. Silty SAND. Little gravel. Brick, asphalt, concrete fragments. Same as Above	SM	
7											
8											
9	9.0-12.0			0.0						SM	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
NOTES: 1) Soil Boring was grouted upon completion.											

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-11U		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/10/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/10/01		
Logged By: DJL					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1.5				Hand Dug to 5 ft bg.				Asphalt (6") / Concrete (1')		NA
1	1.5-2.5			0.0					Trace gravel.	SW	
2									Trace gravel.	SW	
3											
4											
5	5.0-9.0			0.0							
6											
7											
8											
9	9.0-12.0			0.0							
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No.: RB-12U			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/11/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/11/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0-1.5				Hand Dug to 5 ft bg.				Asph./grav. (9") / Conc. (1')	SM	NA
1	1.5-3.5			0.0					Orange/brown c-f SAND.	SW	
2									Trace gravel. Loose and dry.		
3	3.5-5.0			0.0					Orange/brown c-f SAND.	SW	
4									Trace gravel. Loose and dry.		
5	5.0-9.0			0.0					Orange/brown/tan c-f SAND.	SW	
6									Little gravel. Loose and dry.		
7											
8											
9	9.0-12.0			0.0					Orange/brown/tan c-f SAND.	SW	
10									Little gravel. Loose and dry.		
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-13U			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/11/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/11/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5-2.5			0.0					Brown.c-f silty SAND, tr. gravel. Loose and dry. Few brick fragments, cobbles.	SM	
2											
3	2.5-5.0			0.0							
4											
5											
6											
7	5.0-9.0			0.0					Dark brown silty SAND, tr. gravel. Loose and dry.	SM	
8											
9											
10	9.0-12.0			0.0					Dark brown silty SAND, tr. gravel. Loose and dry.	SM	
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental									
Client:		Consolidated Edison of New York									
Contractor:		EPI		Casing Size:		NA		Boring No.		RB-14U	
Drilling Method:		DP (Hurricane)		LEL/O2:		NA		Date Started:		04/11/01	
Ground Elevation:		NM		Checked By:		NJO		Date Completed:		04/11/01	
Logged By:		AS		Protection Level:		D		Depth to Water:		NA	
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1.5				Hand Dug to 5 ft bg.				Asphalt (6") / Concrete (1')		NA
1	1.5-5.0			0.0					Orange-brown and brown c-f SAND and silty SAND. Loose and dry.	SW/SM	
2											
3											
4											
5	5.0-9.0			0.0					Orange/brown/tan c-f SAND. Loose and dry.	SW	
6											
7											
8											
9	9.0-12.0			0.0					Orange/brown/tan c-f SAND. Loose and dry.	SW	
10											
11				0.0							
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-15U			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/11/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/11/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5-2.5			0.0					Brown c-f silty SAND. Little gravel. Loose and dry.	SM	
2											
3	2.5-5.0			0.0					Brown c-f silty SAND. Little gravel. Loose and dry.	SM	
4									gravel. Loose and dry.		
5									gravel. Loose and dry.		
6	5.0-9.0			0.0					Brown c-f SAND and gravel.	SW	
7									Brick/concrete fragments.		
8									Dry.		
9											
10	9.0-12.0			0.0					Brown c-f SAND and gravel.	SW	
11									Brick/concrete fragments.		
12									Loose and dry.		
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-16U			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/11/01			
Ground Elevation: NM					Checked By: 7.0 NJO			Date Completed: 04/11/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0-0.5				Hand Dug to 5 ft bg.				Asphalt	SM	NA
1	0.5-2.5			0.0					Brown silty SAND. Mildly stiff. Loose and dry.		
2											
3	2.5-5.0			0.0							
4											
5	5.0-9.0			0.0					Cobble at 4 ft bg. Orange-brown and brown silty SAND. Little gravel. Brick fragments.		
6											
7											
8											
9	9.0-12.0			0.0					Orange-brown and brown silty SAND. Little gravel. Dry. Brick fragments.		
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-17U		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/11/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/11/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1				Hand Dug to 5 ft bg.				Asphalt / Gravel		NA
1	1 - 5.0			0.0					Orange-brown c-f SAND. Tr. silt and gravel. Loose, dry.	SW	
2										SW	
3				0.0							
4											
5	5.0-9.0			0.0					Orange/brown/tan c-f SAND. Loose and dry.	SW	
6											
7											
8											
9	9.0-12.0			0.0					Orange/brown/tan c-f SAND. Loose and dry.	SW	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-18U			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/11/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/11/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1.0				Hand Dug to 5 ft bg.				Asphalt (6") / Concrete (1')		
1	1.0 - 2.5			0.0					Orange-brown c-f SAND.	SW	
2	2.5-3.5								Brown silty SAND. Damp. Moderately stiff.	SM	
3				0.0							
4	3.5-5.0			0.0							
5	5.0-9.0			0.0					Orange/brown/tan c-f SAND.	SW	
6									Trace gravel. Loose and dry.	SW	
7									Trace gravel. Loose and dry.		
8											
9	9.0-12.0			0.0					Orange/brown/tan c-f SAND.		
10									Trace gravel. Loose and dry.		
11											
12											
									Bottom of boring @ 12 ft bg.		

									NOTES: 1) Soil Boring was grouted upon completion.		
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JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-19U		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/11/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/11/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 1.5				Hand Dug to 5 ft bg.				Asphalt (6") / Concrete (1')		NA
1	1.0 - 2.5			0.0					Orange-brown c-f sand. Tr. gravel. Loose and dry.	SW	
2											
3											
4											
5	5.0-9.0			0.0					Orange/brown/tan c-f sand. Trace gravel. Loose and dry.	SW	
6											
7											
8											
9	9.0-12.0			0.0					Orange/brown/tan c-f sand. Trace gravel. Loose and dry.	SW	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-1L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/18/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/18/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5 - 5.0								Brown stained silty SAND and gravel. Loose and dry. Moderate petrol like odor.	SM	
2											
3											
4				53							
5	5.0-7.0								Concrete		
6									Silty SAND - grey and black stained. Loose. Strong petrol like odor.	SM	
7	7.0-12.0			1068							
8											
9											
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA		Boring No. RB-2L				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 04/18/01				
Ground Elevation: NM					Checked By: NJO		Date Completed: 04/18/01				
Logged By: AS					Protection Level: D		Depth to Water: NA				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5 - 1.5			0.0					Brn c-f silty SAND. Loose/dry	SM	
2	1.5 - 7.5								Concrete		
3											
4											
5											
6											
7	7.5 -12.0			1223							
8									Black and grey stained sandy SILT. Strong petrol like odor.	ML	
9											
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-3L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/18/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/18/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5 - 5.0			16					Dark brown c-f silty SAND, little gravel. Mild petroleum-like odor.	SM	
2											
3											
4											
5	5.0-9.0			43					Brown c-f silty SAND, trace gravel. Grey staining from 7 - 9 feet. Mild petroleum-like odor.	SM	
6											
7											
8											
9	9.0-12.0			515					Grey and black stained sandy SILT. Strong petroleum-like odor.	ML	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-4L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/18/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/18/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5 - 5.0			0.0					Brown c-f silty SAND, little gravel. Loose and dry.	SM	
2											
3											
4											
5	5.0-9.0			1.0					Light brown SAND, trace silt. Loose and dry.	SW	
6											
7											
8											
9	9.0-12.0			73					Mildly grey stained sandy SILT. Medium stiff. Moderate petrol like odor.	ML	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-5L			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/16/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/16/01			
Logged By: AS					Protection Level: D			Depth to Water: 10			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5-1.5			0.0					Silty m-f SAND.	SM	
2	2.5-3.5			0.0					Silty m-f SAND. Trace gravel.	SM	
3									Large rock at 3 feet.		
4	3.5-4.5			0.0					Brown/ tan silty m-f SAND.	SM	
5									Little gravel.		
6	5.0-9.0			0.0					Tan/ brown m-f silty SAND.	SM	
7									Black spotted coloring.		
8											
9											
10	9.0-12.0			0.0					Tan/brown silty m-f SAND.	SM	
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-6L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/13/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/13/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0.0-0.5			0.0	Hand Dug to 5 ft bg.				Asphalt. Loose SAND.	SW	NA
1	0.5-1.5			0.0					Brown m-f SAND. Little grav.	SW	
2	1.5-3.5			0.0					Brown silty m-f SAND.	SM	
3	3.5-4.5			0.0					Brown/ tan silty m-f SAND.	SM	
4											
5	5.0-9.0			0.0					Tan c-f SAND.	SW	
6											
7											
8											
9	9.0-11.0			0.0					Tan c-f SAND.	SW	
10											
11	11-12.0			66					Black-stained c-f SAND.	SM	
12									Some silt. Petroleum-like odor		
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-7L			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/13/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/13/01			
Logged By: AS					Protection Level: D			Depth to Water: 11.5			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5-2.5			0.0					Brown silty m-f SAND. Trace gravel. Rocks and Debris at 2.5 ft bg.	SM	
2											
3				0.0							
4	3.5-4.5			0.0					Brown silty SAND. Some gravel.	SM	
5					Refusal at 5 feet. 1.5 ft concrete.						
6	6.0-10.0			0.0					Brown silty SAND.	SM	
7											
8											
9											
10	10 -11.5			0.2					Tan c-m SAND. Little silt.	SM	
11	11.5-12			3.1					Grey staining. c-f SAND and silt. Slight petrol like odor.	SM	
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-8L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/13/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/13/01		
Logged By: AS					Protection Level: D				Depth to Water: 11 ft bg		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5-1.5			0.0					Brown c-f SAND. Little to trace gravel.	SW	
2	1.5 - 2.5			0.0					Brown c-f SAND. Trace brick	SW	
3	2.5-3.5			0.0					Brown silty m-f SAND. Trace brick.	SM	
4	3.5-4.5			0.0					Brown/tan silty SAND.	SM	
5					Refusal at 5 ft bg.						
6	6.0-10.0			0.0							
7											
8											
9											
10	10 - 11			2.6					Brown silty SAND.	SM	
11	11 - 12			1.7					Olive-grey staining. Silty SAND. Slight petrol like odor.	SM	
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-9L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/17/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/17/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5 - 5.0			4.0					Brown silty SAND and gravel.	SM	
2									Mild petrol like odor. Loose and dry.		
3											
4											
5	5.0-9.0			40					Brown silty SAND and gravel.	SM	
6									Mild odor. Slight grey staining.		
7											
8											
9	9.0-12.0			140					Grey and black stained-silty SAND. Mild odor.	SM	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-10L			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/17/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/17/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		
1	0.5 - 5.0			0.0					Orange/brown silty SAND.	SM	
2									Trace gravel. Loose and dry.		
3											
4											
5	5.0-7.0			0.0					Orange/brown c-f silty SAND.	SM	
6											
7	7.0-9.0			0.0					Grey stained sandy SILT.	ML	
8									Strong petrol like odor.		
9	9.0-12.0			110					Black and grey stained sandy SILT.	ML	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-11L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/17/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/17/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		
1	0.5 - 5.0			0.0					Brown silty SAND and gravel.	SM	
2									Loose and dry. Some brick fragments.		
3											
4											
5	5.0-7.0			0.0					Brown silty SAND and gravel.	SM	
6									Loose and dry. Some brick.		
7	7.0-9.0			112					Grey stained sandy SILT.	ML	
8									Medium stiff. Dry to moist.		
9									Stong petrol like odor.		
10	9.0-12.0			91					Grey stained sandy SILT.	ML	
11									Stong petrol like odor.		
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-12L			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/17/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/17/01			
Logged By: AS					Protection Level: D			Depth to Water: NA			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		
1	0.5 - 5.0			0.0					Dark brown silty SAND, little gravel. Loose and dry.	SM	
2									Lignite coal at 3.5-4.5 feet.		
3									Some brick fragments.		
4									Dark brown silty SAND, little gravel. Loose and dry.	SM	
5	5.0-7.0			0.0							
6											
7	7.0-9.0			2.6					Grey stained sandy SILT. Medium stiff. Damp.	ML	
8									Stong petrol like odor.		
9									Grey stained sandy SILT. Moderate odor.	ML	
10	9.0-12.0			100							
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-13L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/17/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/17/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		
1	0.5 - 5.0			4.0					Brown silty SAND, trace gravel. Loose and dry.	SM	
2									PID reading 4 ppm at 4.5-5.0 feet.		
3											
4											
5	5.0-9.0			20					Heavy black and grey stained silty SAND and sandy SILT.	SM/ML	
6									Strong petrol like odor. PID reading 20 ppm at 8 - 9 feet.		
7									Stong petrol like odor.		
8											
9											
10	9.0-12.0								Black stained sandy SILT.	ML	
11									Wet.		
12				150							
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA			Boring No. RB-14L			
Drilling Method: DP (Hurricane)					LEL/O2: NA			Date Started: 04/18/01			
Ground Elevation: NM					Checked By: NJO			Date Completed: 04/18/01			
Logged By: AS					Protection Level: D			Depth to Water: 6 ft bg.			
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		
1	0.5-5.0			12					Brown c-f silty SAND. Little gravel.	SM	
2											
3											
4											
5	5.0-9.0			43					Grey stained SAND. Wet at 6 feet.	SW	
6											
7											
8											
9											
									Bottom of boring @ 9 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project:		Con Edison: White Plains Environmental									
Client:		Consolidated Edison of New York									
Contractor:		EPI	Casing Size:		NA		Boring No.		RB-15L		
Drilling Method:		DP (Hurricane)	LEL/O2:		NA		Date Started:		04/16/01		
Ground Elevation:		NM	Checked By:		NJO		Date Completed:		04/16/01		
Logged By:		AS	Protection Level:		D		Depth to Water:		5.5 ft bg.		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		
1	0.5-1.5			0.0					Tan c-m SAND some gravel.	SW	
2	1.5-3.5			0.0					Tan c-m SAND. Black spotting.	SW	
3	3.5-4.5			0.0					Brown c-m SAND. Tr. gravel	SW	
4	4.5-7.0			0.0					Tan c-m SAND. Trace gravel.	SW	
5											
6											
7	7.0-8.0			2.5					Heavy olive/black stained	SW	
8					Rock or concrete @ 8 ft bg.				c- f SAND. Tr. Gravel. Wet.		
9									Petroleum-like odor.		
10				52	Refusal @ 10 ft bg.				Visible product at 10 ft bg.		
									Bottom of boring @ 10 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

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JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA		Boring No. RB-17L				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 04/18/01				
Ground Elevation: NM					Checked By: NJO		Date Completed: 04/18/01				
Logged By: AS					Protection Level: D		Depth to Water: NA				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		NA
1	0.5-5.0			68					Brown c-f silty SAND. Little gravel. Loose and dry.	SM	
2									Mild petroleum-like odor at bottom		
3											
4											
5	5.5-7.5								Concrete		
6											
7	7.5-12.0								Grey stained sandy SILT and silty SAND. Strong petroleum-like odor.	ML/SM	
8											
9											
10											
11											
12				580							
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA				Boring No. RB-18L		
Drilling Method: DP (Hurricane)					LEL/O2: NA				Date Started: 04/18/01		
Ground Elevation: NM					Checked By: NJO				Date Completed: 04/18/01		
Logged By: AS					Protection Level: D				Depth to Water: NA		
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		
1	0.5-5.0			0.0					Brown c-f silty sand, little gravel. Loose and dry.	SM	
2											
3											
4											
5	5.0-9.0			26					Mildly stained brown silty sand. Mild petrol like odor.	SM	
6											
7											
8											
9	9.0-12.0			490					Grey stained and slight sheen sandy silt. Strong petrol like odor.	ML	
10											
11											
12											
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

JACQUES WHITFORD COMPANY, INC

Project: Con Edison: White Plains Environmental											
Client: Consolidated Edison of New York											
Contractor: EPI					Casing Size: NA		Boring No. RB-19L				
Drilling Method: DP (Hurricane)					LEL/O2: NA		Date Started: 04/16/01				
Ground Elevation: NM					Checked By: NJO		Date Completed: 04/16/01				
Logged By: AS					Protection Level: D		Depth to Water: 10				
Depth (ft)	Sample Interval (ft)	Sample No.	Rec/Pen (inches)	PID Sample (ppm)	Standard Penetration Test (blows/foot)				Soil/Rock Description	Soil Classification	Well Construction
					0 - 6"	6" - 12"	12" - 18"	18" - 24"			
0	0 - 0.5				Hand Dug to 5 ft bg.				Asphalt		
1	0.5-2.5			0.0					Brown c-f SAND. Trace silt.	SW	
2	2.5-3.5			0.0					Brown c-m SAND. Black staining.	SW	
3											
4	3.5-4.5			42					Brown c-m SAND. Little silt. Black staining / odor	SW	
5											
6	5.0-9.0								Brown silty m-f SAND. Black-grey discoloration at 8 feet. Odor.	SM	
7											
8											
9	9.0-10.0			16					Brown c-m SAND.	SW	
10				2							
11	10.0-12.0								Heavy staining. Grey/black/olive color. Silty SAND.	SM	
12				49							
									Bottom of boring @ 12 ft bg.		
									NOTES: 1) Soil Boring was grouted upon completion.		

**APPENDIX C
NYSDEC/NYSDOH LETTERS**

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9564 • **FAX:** (518) 402-9679
Website: www.dec.state.ny.us



2003 OCT -1 PM 2:21

September 23, 2003

Eddy Louie, P.E.
Consolidated Edison Company
31-01 20th Avenue, Bldg. 136
Long Island City, NY 11105-2048

Re: White Plains Former MGP
IRM Work Plan for Phase II Construction Activities
Site No. V00438-3

Dear Mr. Louie:

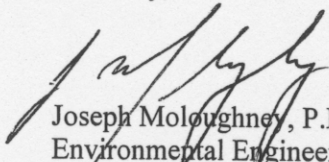
The Department has completed its review of Con Edison's revised IRM Work Plan dated August 28, 2003. The revised document fails to address certain items from the Department's August 12, 2003 letter and our discussions with Con Edison in several conference calls. I would like to arrange a conference call to address the following items:

1. The work plan should state explicitly that the Department will review the engineering or contract drawings for the NAPL cutoff wall. In addition, the Department is not convinced that only three NAPL recovery wells are sufficient. The wall should be designed with recovery wells sufficient to recover any NAPL that may collect on the upgradient side of the wall. Further discussion regarding the number and location of NAPL recovery wells may be addressed during review of the cutoff wall plans.
2. The Department requested that several NAPL recovery wells be placed where feasible along the northern sidewalk of New Street. These wells would serve two purposes, one being to collect any flowable NAPL residual that is already past the wall; the other is to act as sentinel wells in the event the NAPL cutoff wall fails. The revised work plan continues to refer to only one well, the existing MW-8, which was not designed for NAPL recovery.
3. The Department has received the attached August 13, 2003 letter from the New York State Department of Health (NYSDOH) reflecting their evaluation of soil gas and indoor air samples collected at the subject site. Our review of that evaluation has determined that the DOH has not identified the need for an immediate response action to reduce exposure at the school.

The NYSDOH does not believe that a conclusive determination can be made at this time to rule out an MGP impact on both the soil gas and indoor air. This pathway should be further evaluated and mitigated as necessary to reduce exposure.

Please contact me to arrange a conference call to discuss these issues.

Sincerely,

A handwritten signature in dark ink, appearing to read 'J. Moloughney', is written over the typed name.

Joseph Moloughney, P.E.
Environmental Engineer 2
MGP Remedial Section
Division of Environmental Remediation

cc: R. Pergadia, NYSDEC
D. Geraghty, NYSDOH



STATE OF NEW YORK DEPARTMENT OF HEALTH

CH-FM1

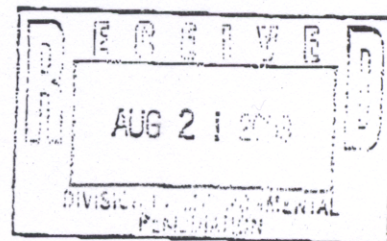
Flanigan Square, 547 River Street, Troy, New York 12180-2216

Antonia C. Novello, M.D., M.P.H., Dr.P.H.
Commissioner

Dennis P. Whalen
Executive Deputy Commissioner

August 13, 2003

Mr. Joseph Moloughney
Division of Environmental Remediation
NYS Department of Environmental Conservation
Albany, New York



Re: White Plains MGP
Site # V004383
White Plains, Westchester County

Dear Mr. Moloughney:

With the assistance of Mr. Michael Hughes of the NYSDOH Bureau of Toxic Substance Assessment, I have reviewed the August 5, 2003 Report on Evaluation for Sub-Surface Vapor Intrusion at the St. John's School in White Plains, Westchester County. The samples were collected to evaluate whether chemical vapors from the adjacent Con Edison MGP site are affecting the indoor air of the school and associated buildings. I have the following comments:

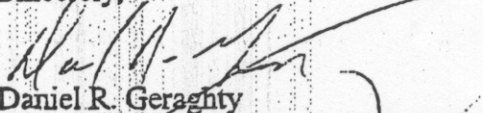
1. Petroleum hydrocarbons were detected in all of the soil gas samples within and outside the school. The petroleum hydrocarbons in the majority of the indoor samples appear to reflect the same soil gas compounds. The levels detected were above typical background (25%-75% range). The source of these petroleum-related compounds is not adequately characterized and may be related to the MGP waste adjacent and beneath the school property.
2. The conclusions in the evaluation state that the sources of the petroleum hydrocarbon vapors are outdoor vehicle emissions or products stored in the school. However, the levels of petroleum related compounds measured in indoor air are higher than the levels measured outdoors. In addition, there is no information that describes the heating and ventilation conditions in the school during sampling. The sampling was conducted in February, therefore it would be expected that windows would be closed, and the heating plant would be operating, creating a negative pressure differential in the basement where the boilers are located. Intrusion of sub-surface vapors would have the greatest potential under these conditions and appear to be reflected by the data.
3. The product inventory of the school buildings identifies several products that may contain petroleum distillates, however, there is no supporting field observations to state that products in the basement locations are the source or even contributing to the elevated levels of petroleum hydrocarbons in the indoor air. Such statements should be

accompanied with real-time data measurements from a sensitive PID (calibrated at 10 ppm), ppbRae, or similar device.

In summary, the data indicate that the soil gas and indoor air are being affected by a petroleum source. The levels of petroleum hydrocarbons and non-petroleum hydrocarbons in the soil gas within and outside the school are sufficiently elevated to potentially migrate into the indoor air. This pathway should be further evaluated and should be mitigated as necessary to reduce exposure. An analysis of the volatile fraction of the MGP waste at this site could be useful in evaluating whether the volatile constituents detected in soil gas and indoor air are related to the waste. I have attached a public comment version of a New York State Department of Health developed report entitled "Volatilization Study of Manufactured Gas Plant (MGP) Waste and Petroleum Fuels". The volatilization study provides a means of evaluating environmental data to determine whether compounds detected in soil gas are derived from MGP waste or other petroleum fuels.

If you have any questions please contact me by telephone at (518) 402-7890 or by e-mail at drg01@health.state.ny.us.

Sincerely,



Daniel R. Geraghty
Program Research Specialist III
Bureau of Environmental Exposure Investigation

cc: Mr. G. Litwin / Mr. M. Rivara / file
Mr. G. McDonald / Mr. M. Hughes
Mr. M. Knudsen - New Paltz Field Office
Ms. C. Torres - WCHD
Mr. R. Pergadia - NYSDEC, Reg.3
Mr. R. Schick - NYSDEC

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APPENDIX D
HYDROCARBON FINGERPRINT REPORTS

D-1 Soil Sample Fingerprint Report

D-2 Groundwater Sample Fingerprint Report

**Appendix D-1
Soil Sample Fingerprint Reports**



SOILS

49 Clarendon Street
Watertown, MA 02472
TEL: (617) 923-4662
FAX: (617) 923-4610

FACSIMILE TRANSMITTAL SHEET

TO: Imants Reks
Parsons Engineering Science
290 Elwood Davis Road, Suite 290
Syracuse, NY 13088

FAX NO: 315-451-9570

TOTAL PAGES:

SENT BY: Stephen Emsbo-Mattingly

SUBJECT: Con-Ed White Plains S/S
Hydrocarbon Fingerprinting Report

COMMENTS: Hardcopy will be sent by US Postal Service.

Please Note Our New ZIP Code:
02472-2872



49 Clarendon Street
Watertown, MA 02472
TEL: (617) 923-4662
FAX: (617) 923-4610

29 March 2000

Ms. Yelena Skorobogatov
Consolidated Edison
31-01 20th Avenue, Building 138
Long Island City, NY 11105

RE: Hydrocarbon Fingerprinting Analyses

Dear Ms. Skorobogatov:

This package contains the analytical results from six soil samples received on 17, 20, and 21 March 2000 by META Environmental, Inc. (META) from Parsons Engineering Science. Three reference materials were selected from the META reference materials archive for comparative purposes.

Methods

Two grams of soil were dried with sodium sulfate and extracted with 15 mL of dichloromethane (DCM). The extracts were dried with sodium sulfate and concentrated to 1 mL. The extracts were spiked with internal standard and analyzed on a gas chromatograph equipped with a flame ionization detector (GC/FID) for monocyclic aromatic hydrocarbons (MAHs), polycyclic aromatic hydrocarbons (PAHs), and hydrocarbon fingerprint.

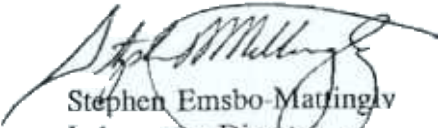
Analytical Results

The concentrations of MAHs and PAHs and hydrocarbon fingerprints follow this narrative.

The relative abundance of PAHs in all samples resembled the tar reference material. The concentration of total MAHs and PAHs was used to rank the samples from highest to lowest tar concentration as follows: TB-2 17.5', TB-1 36-39', SB-1, MW-5, TB-5, and TB-1 28-30'. The ratio of fluoranthene to pyrene was consistent among samples (0.79 ± 0.06) and suggested that the samples shared a common tar origin. Assuming that the samples shared a common origin, the ratio of naphthalene to pyrene indicated that sample SB-1 was least weathered; samples TB-2 17.5', MW-5, and TB-5 were intermediately weathered; and TB-1 28-30', and TB-1 36-39' were most weathered. These samples exhibited no strong evidence of hydrocarbon-based substances other than tar.

Please do not hesitate to contact me if you have any questions about these data.

Sincerely,



Stephen Emsbo-Mattingly
Laboratory Director

cc: Imats Reks, Parsons Engineering Science

ANALYTICAL RESULTS

MAHs and PAHs

Client: Parsons Project: White Plains S/S

Lab ID Field ID:	PW000317-01, MW-5 7-10'	PW000320-01 SB-1 8'-10'	PW000320-02 TB-5 10.5'-11.5'
MAHs:			
Benzene	0.17 JB	0.21 JB	0.17 JB
Toluene	0.38	4.06	0.16 J
Ethylbenzene	5.67	5.32	2.38
m/p-Xylene	4.25	1.98	2.05
Styrene	0.34	1.54	0.29
o-Xylene	2.67	3.10	1.78
1,2,4-Trimethylbenzene	6.66	34.8	5.54
Total MAHs:	13.5	16.2	6.83
PAHs:			
Naphthalene	132	354 D	57.1
2-Methylnaphthalene	83.6	130	27.1
1-Methylnaphthalene	60.3	78.7	22.3
Acenaphthylene	3.98	6.07	1.96
Acenaphthene	48.6	74.1	14.6
Dibenzofuran	6.00	6.87	2.02
Fluorene	26.1	35.4	10.1
Phenanthrene	62.0	101	25.2
Anthracene	18.3	29.9	8.28
Fluoranthene	17.5	39.2	8.65
Pyrene	23.3	47.8	10.8
Benz(a)anthracene	10.8	24.0	5.06
Chrysene	9.15	19.3	4.18
Benzo(b)fluoranthene	3.00	7.68	1.64
Benzo(k)fluoranthene	4.42	10.1	2.25
Benzo(a)pyrene	6.65	16.8	3.46
Indeno(1,2,3-cd)pyrene	2.33	6.76	1.36
Dibenz(a,h)anthracene	0.75	1.91	0.44
Benzo(g,h,i)perylene	3.06	7.56	1.67
Total PAHs:	515	990	206
Quantitation Limit:	0.21	0.23	0.24
Detection Limit:	0.08	0.09	0.09
Fluorobenzene (SS1)	83%	79%	82%
2-Fluorobiphenyl (SS2)	89%	92%	86%
Concentration Units:	mg/kg	mg/kg	mg/kg

B = Analyte detected in the blank

D = Values from a diluted sample extract

DL = QC compounds diluted out

E = Estimated value, above calibration range

I = Interference

J = Estimated value

L = Coeluted with compound listed above

NM = Not measured

U = Not detected at quantitation limit shown

Total MAHs does not include 1,2,4-Trimethylbenzene.

Total PAHs does not include Dibenzofuran.

All soil results reported on a dry weight basis.

ANALYTICAL RESULTS

MAHs and PAHs

Client: Parsons Project: White Plains S/S

Lab ID Field ID:	PW000321-01 TB-1, 28-30'	PW000321-02/10 TB-1, 36-39'	PW000321-03/10 TB-2, 17.5'
MAHs:			
Benzene	0.17 JB	4.91 B	1,240 B
Toluene	0.25 U	30.4	1,700
Ethylbenzene	0.25 U	12.6	6,080
m/p-Xylene	0.11 J	17.8	3,960
Styrene	0.25 U	20.1	137
o-Xylene	0.25 U	9.46	1,640
1,2,4-Trimethylbenzene	0.25 U	98.8	2,010
Total MAHs:	0.28	95.1	14,800
PAHs:			
Naphthalene	2.17	1,070	39,100
2-Methylnaphthalene	1.53	423	13,200
1-Methylnaphthalene	1.01	561	7,610
Acenaphthylene	0.18 J	153	1,960
Acenaphthene	1.63	696	7,610
Dibenzofuran	0.12 J	254	474
Fluorene	1.01	573	4,390
Phenanthrene	3.20	2,010	12,600
Anthracene	0.91	547	4,440
Fluoranthene	1.29	832	4,860
Pyrene	1.76	948	6,580
Benz(a)anthracene	0.66	441	2,530
Chrysene	0.49	369	2,300
Benzo(b)fluoranthene	0.20 J	167	929
Benzo(k)fluoranthene	0.35	225	1,510
Benzo(a)pyrene	0.46	316	2,310
Indeno(1,2,3-cd)pyrene	0.12 J	138	923
Dibenz(a,h)anthracene	0.25 U	40.5	240
Benzo(g,h,i)perylene	0.22 J	150	1,080
Total PAHs:	17.2	9,650	114,000
Quantitation Limit:	0.25	3.00	36.5
Detection Limit:	0.10	1.20	14.6
Fluorobenzene (SS1)	83%	102%	112%
2-Fluorobiphenyl (SS2)	90%	109%	I
Concentration Units:	mg/kg	mg/kg	mg/kg

B = Analyte detected in the blank

D = Values from a diluted sample extract

DL = QC compounds diluted out

E = Estimated value, above calibration range

I = Interference

J = Estimated value

L = Coeluted with compound listed above

NM = Not measured

U = Not detected at quantitation limit shown

Total MAHs does not include 1,2,4-Trimethylbenzene.

Total PAHs does not include Dibenzofuran.

All soil results reported on a dry weight basis.

ANALYTICAL RESULTS
MAHs and PAHs
Client: Parsons Project: White Plains S/S

Lab ID Field ID:	PW000322-SB Soil Blank	PW000322-SBS Blank Spike	PW000321-01MS TB-1, 28-30'
MAHs:			
Benzene	0.13 J	79%	82%
Toluene	0.23 U	95%	100%
Ethylbenzene	0.23 U	95%	82%
m/p-Xylene	0.23 U	95%	88%
Styrene	0.23 U	94%	100%
o-Xylene	0.23 U	96%	94%
1,2,4-Trimethylbenzene	0.23 U	95%	91%
Total MAHs:	0.13		
PAHs:			
Naphthalene	0.23 U	98%	-357%
2-Methylnaphthalene	0.23 U	98%	-188%
1-Methylnaphthalene	0.23 U	98%	-107%
Acenaphthylene	0.23 U	99%	90%
Acenaphthene	0.23 U	99%	-62%
Dibenzofuran	0.23 U	98%	83%
Fluorene	0.23 U	97%	16%
Phenanthrene	0.23 U	98%	-102%
Anthracene	0.23 U	99%	38%
Fluoranthene	0.23 U	99%	50%
Pyrene	0.23 U	98%	30%
Benz(a)anthracene	0.23 U	97%	69%
Chrysene	0.23 U	100%	75%
Benzo(b)fluoranthene	0.23 U	95%	90%
Benzo(k)fluoranthene	0.23 U	103%	94%
Benzo(a)pyrene	0.23 U	98%	82%
Indeno(1,2,3-cd)pyrene	0.23 U	95%	91%
Dibenz(a,h)anthracene	0.23 U	101%	103%
Benzo(g,h,i)perylene	0.23 U	99%	90%
Total PAHs:	ND		
Quantitation Limit:	0.23		
Detection Limit:	0.09		
Fluorobenzene (SS1)	82%	82%	85%
2-Fluorobiphenyl (SS2)	80%	91%	98%
Concentration Units:	mg/kg		

B = Analyte detected in the blank

D = Values from a diluted sample extract

DL = QC compounds diluted out

E = Estimated value, above calibration range

I = Interference

J = Estimated value

L = Coeluted with compound listed above

NM = Not measured

U = Not detected at quantitation limit shown

Total MAHs does not include 1,2,4-Trimethylbenzene.

Total PAHs does not include Dibenzofuran.

All soil results reported on a dry weight basis.

ANALYTICAL RESULTS

MAHs and PAHs

Client: Parsons Project: White Plains S/S

Lab ID Field ID:	PW000320-02 TB-5	PW000320-02Dup TB-5	Laboratory Duplicate Relative Percent Difference
MAHs:			
Benzene	0.17 JB	0.15 JB	11%
Toluene	0.16 J	0.16 J	1%
Ethylbenzene	2.38	2.62	10%
m/p-Xylene	2.05	2.29	11%
Styrene	0.29	0.36	20%
o-Xylene	1.78	2.08	16%
1,2,4-Trimethylbenzene	5.54	6.38	14%
Total MAHs:	6.83	7.67	12%
PAHs:			
Naphthalene	57.1	63.3	10%
2-Methylnaphthalene	27.1	30.1	10%
1-Methylnaphthalene	22.3	24.4	9%
Acenaphthylene	1.96	1.64	18%
Acenaphthene	14.6	15.3	5%
Dibenzofuran	2.02	1.77	13%
Fluorene	10.1	10.5	4%
Phenanthrene	25.2	26.3	4%
Anthracene	8.28	8.30	0%
Fluoranthene	8.65	9.15	6%
Pyrene	10.8	12.1	11%
Benz(a)anthracene	5.06	5.40	7%
Chrysene	4.18	4.44	6%
Benzo(b)fluoranthene	1.64	1.73	5%
Benzo(k)fluoranthene	2.25	2.38	6%
Benzo(a)pyrene	3.46	3.64	5%
Indeno(1,2,3-cd)pyrene	1.36	1.43	5%
Dibenz(a,h)anthracene	0.44	0.45	2%
Benzo(g,h,i)perylene	1.67	1.73	4%
Total PAHs:	206	222	8%
Quantitation Limit:	0.24	0.25	
Detection Limit:	0.09	0.10	
Fluorobenzene (SS1)	82%	84%	3%
2-Fluorobiphenyl (SS2)	86%	89%	4%
Concentration Units:	mg/kg	mg/kg	

B = Analyte detected in the blank

D = Values from a diluted sample extract

DL = QC compounds diluted out

E = Estimated value, above calibration range

I = Interference

J = Estimated value

L = Coeluted with compound listed above

NM = Not measured

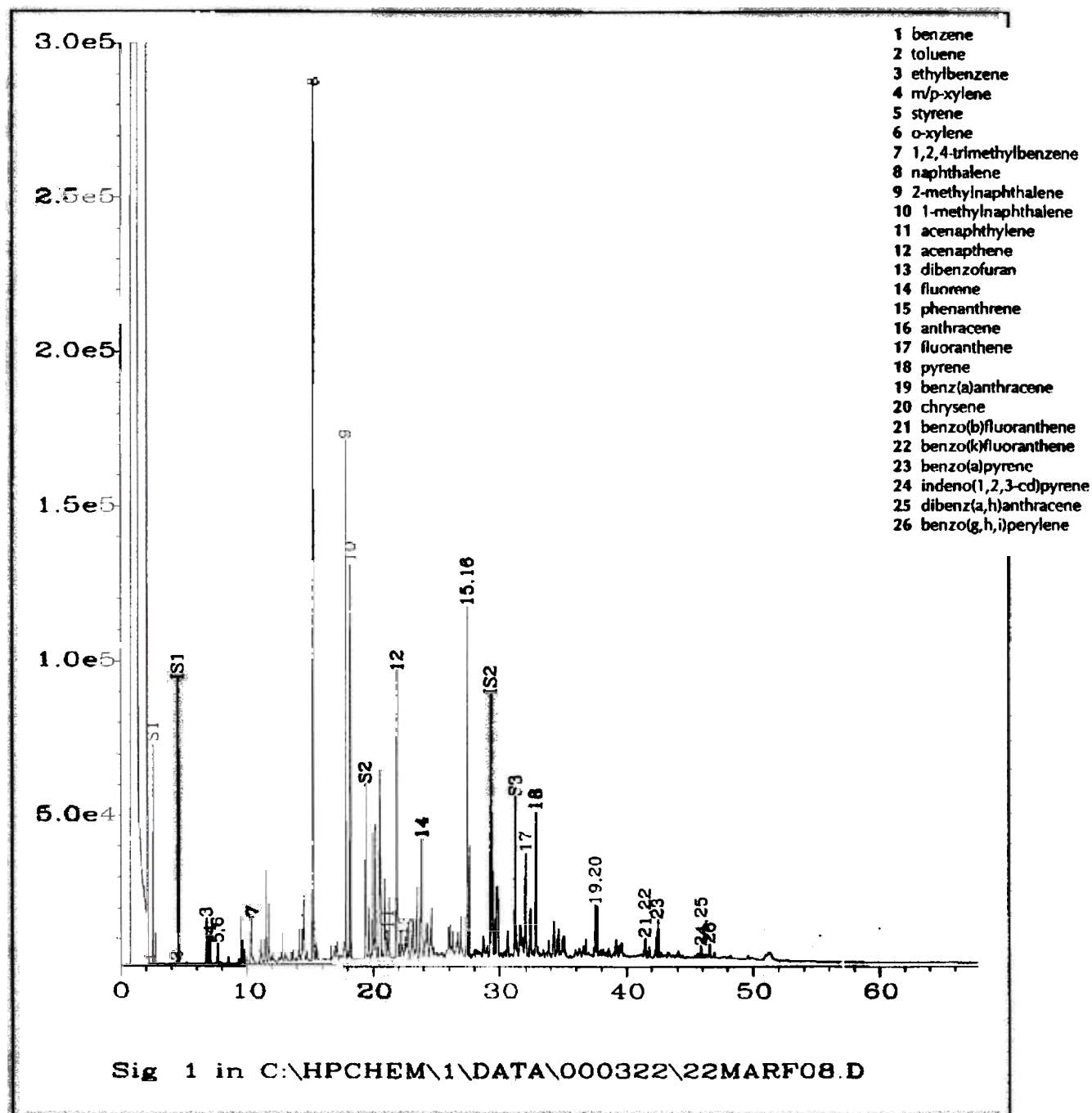
U = Not detected at quantitation limit shown

Total MAHs does not include 1,2,4-Trimethylbenzene.

Total PAHs does not include Dibenzofuran.

All soil results reported on a dry weight basis.

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - fluorobenzene

S2 - 2-fluorobiphenyl

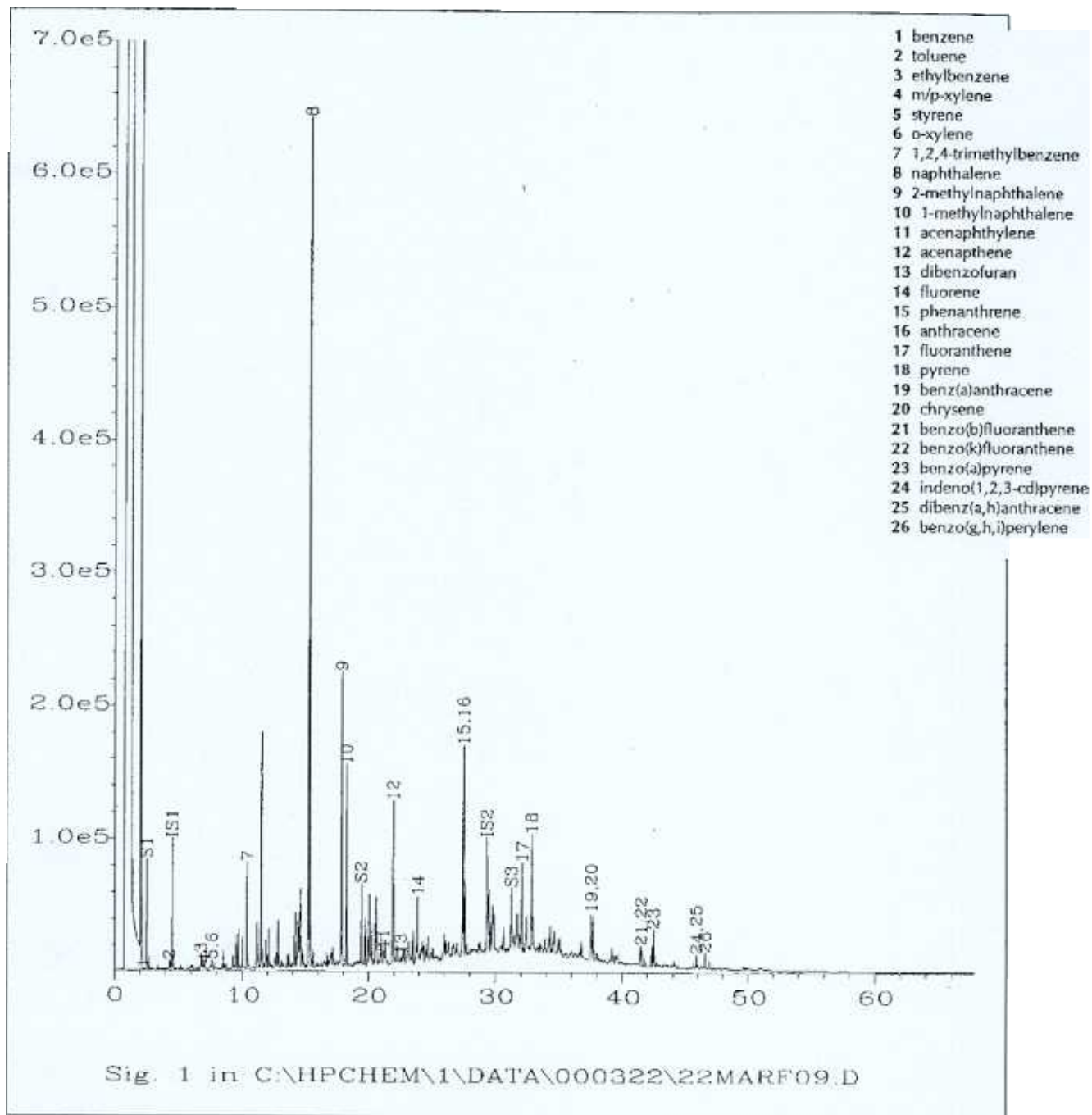
S3 - 5a-androstane

Field ID: MW-5

Laboratory ID: PW000317-01

Method: MET4007D

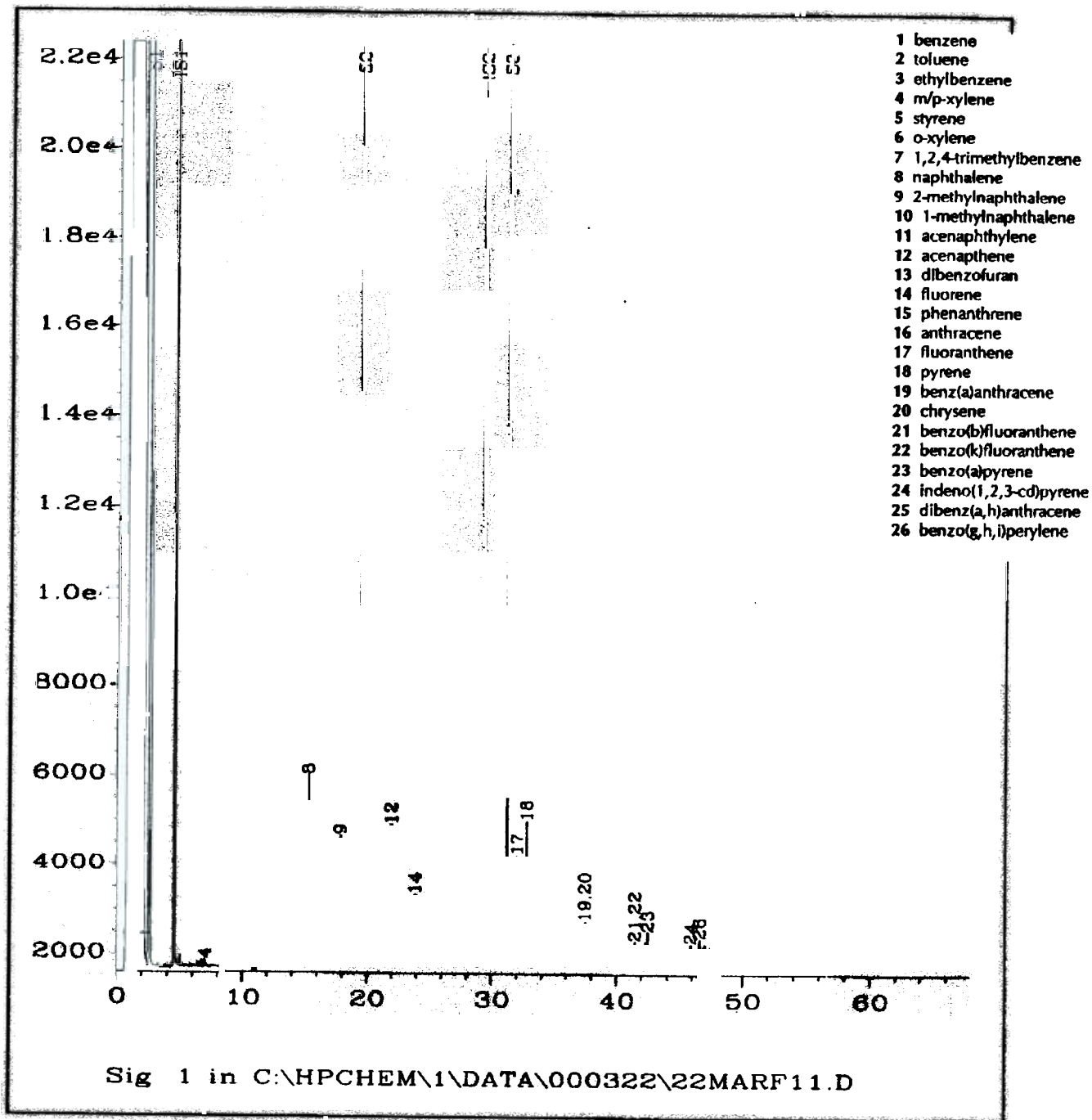
GC/FID Fingerprint



IS1 - 2,4-difluorotoluene
IS2 - o-terphenyl
S1 - fluorobenzene
S2 - 2-fluorobiphenyl
S3 - 5a-androstane

Field ID: **SB-1**
Laboratory ID: PW000320-01
Method: MET4007D

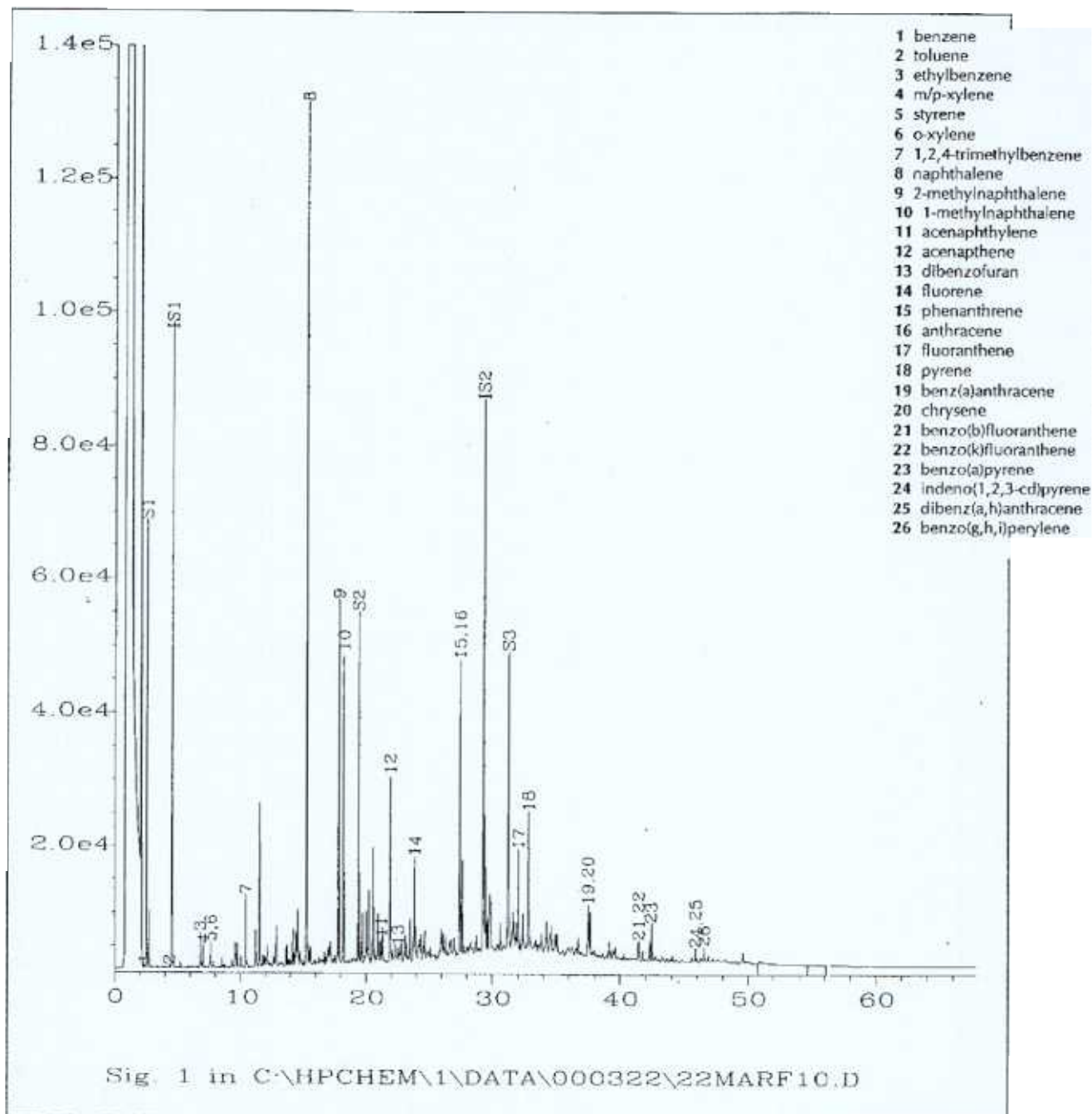
GC/FID Fingerprint



IS1 - 2,4-difluorotoluene
IS2 - o-terphenyl
S1 - fluorobenzene
S2 - 2-fluorobiphenyl
S3 - 5a-androstane

Field ID: **TB-1, 28-30'**
Laboratory ID: PW000321-01
Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - fluorobenzene

S2 - 2-fluorobiphenyl

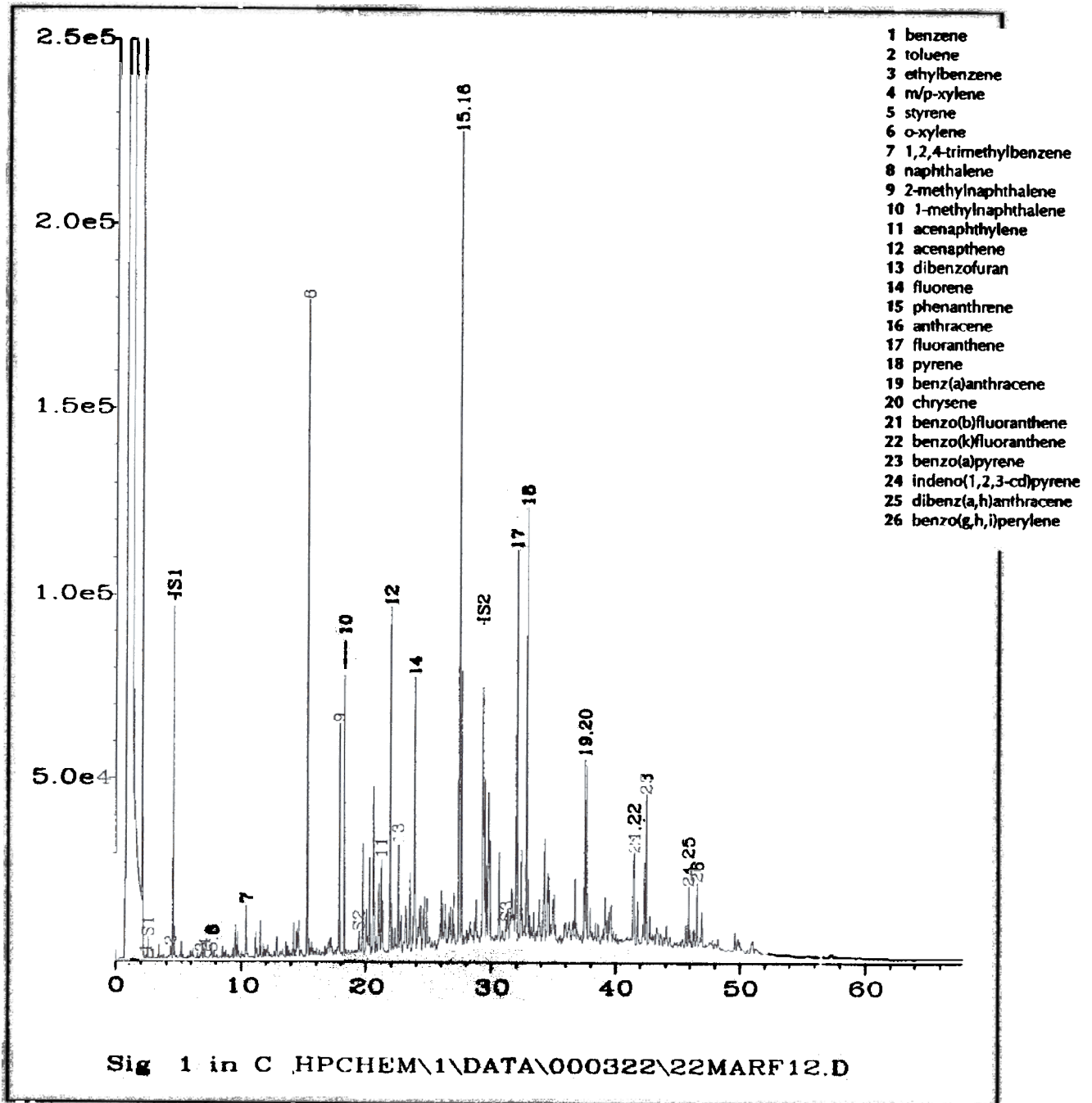
S3 - 5a-androstane

Field ID: TB-5

Laboratory ID: PW000320-02

Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - fluorobenzene

S2 - 2-fluorobiphenyl

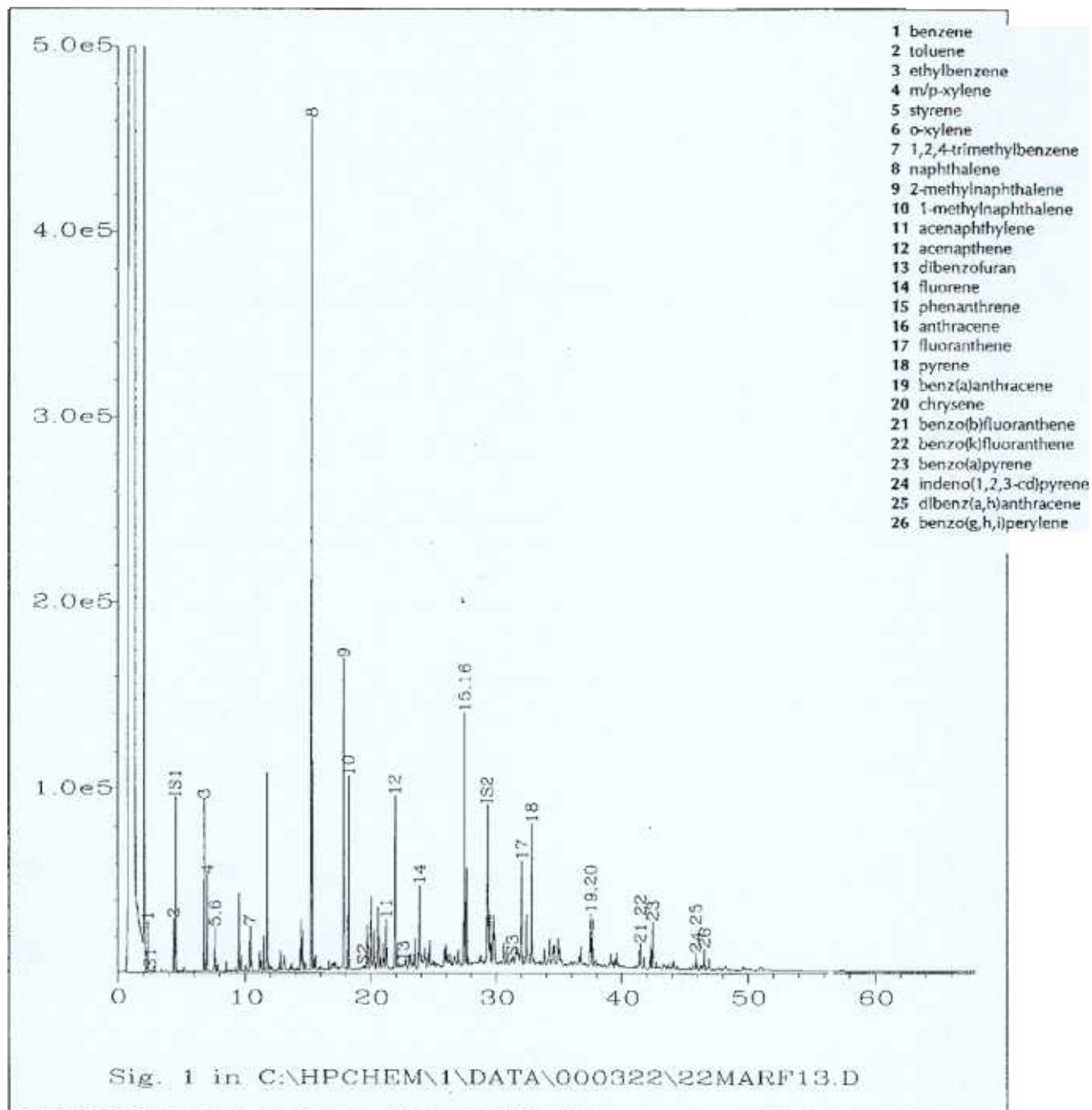
S3 - 5a-androstane

Field ID: TB-1, 36-39'

Laboratory ID: PW000321-02

Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - fluorobenzene

S2 - 2-fluorobiphenyl

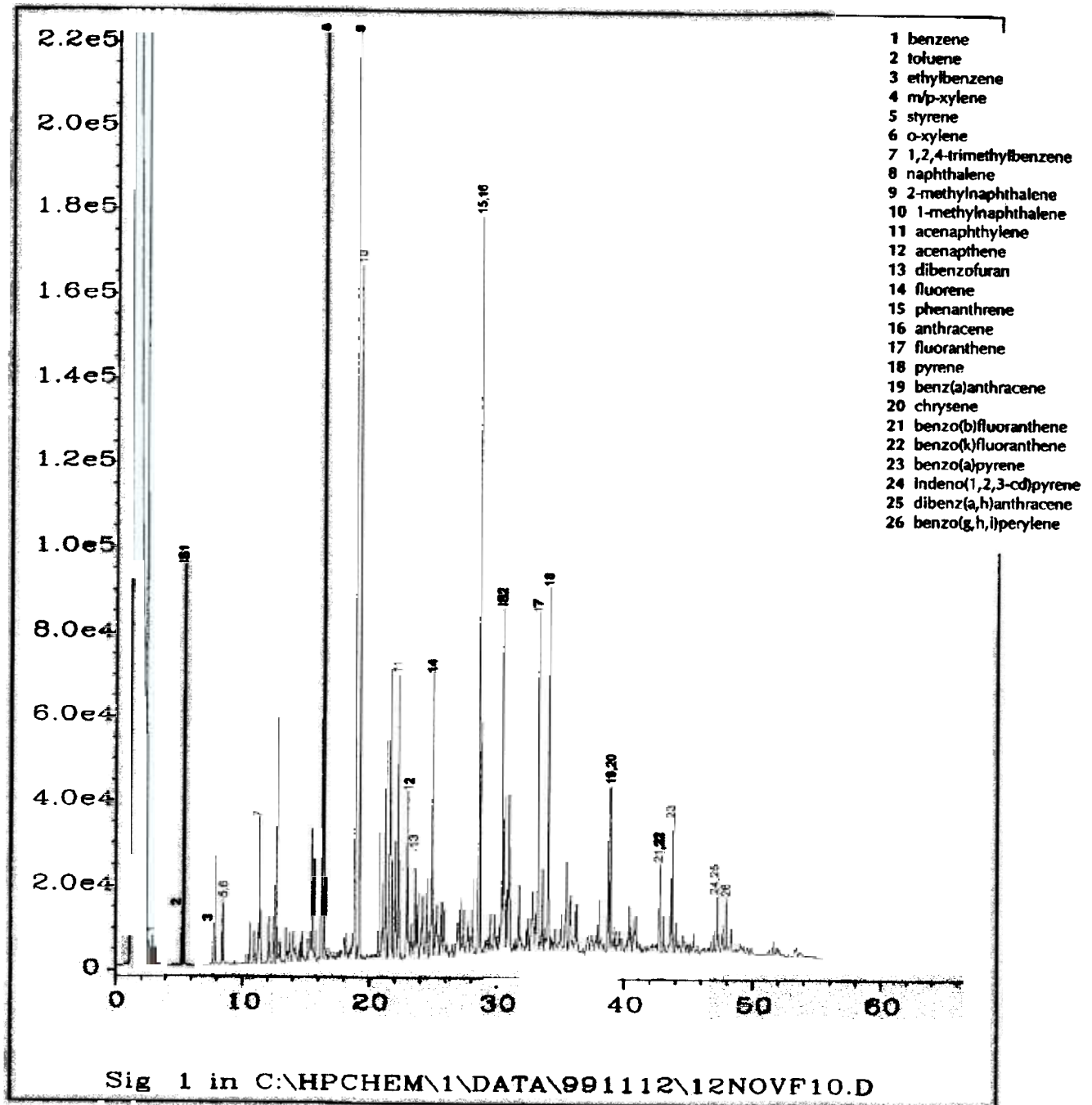
S3 - 5a-androstane

Field ID: TB-2, 17.5'

Laboratory ID: PW000321-03

Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - fluorobenzene

S2 - 2-fluorobiphenyl

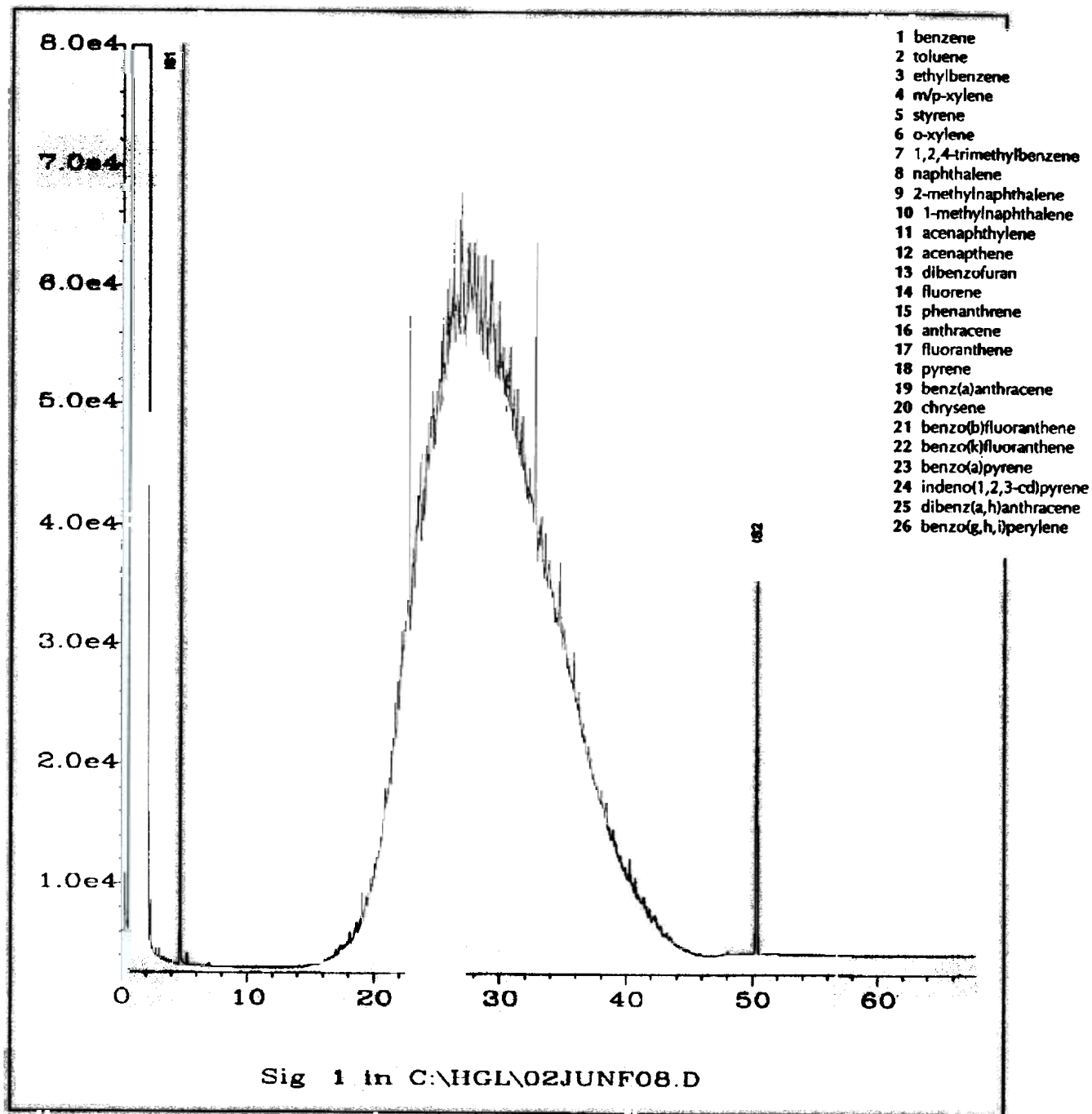
S3 - 5a-androstane

Field ID: MGP Tar (Mixed)

Laboratory ID: EL991110-03 (T012)

Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - triacontane

S1 - Fluorobenzene

S2 - 2-Fluorobiphenyl

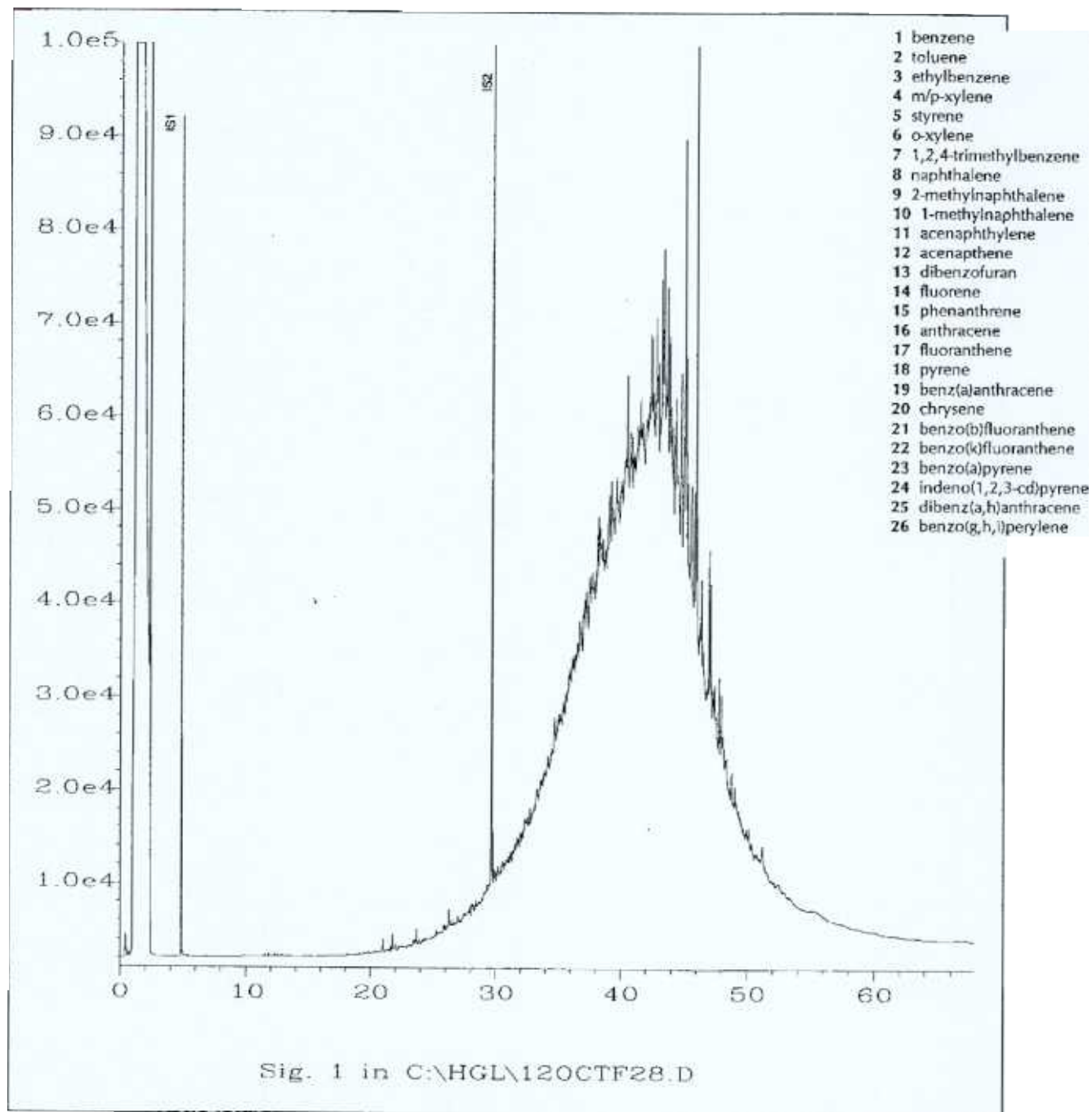
S3 - 5a-Androstane

Field ID: Mineral Oil

Laboratory ID: P084

Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - Fluorobenzene

S2 - 2-Fluorobiphenyl

S3 - 5α-Androstane

Field ID: Dielectric Fluid

Laboratory ID: P169

Method: MET4007D

META ENVIRONMENTAL SAMPLE RECEIPT

Lab ID	Field ID	Matrix	Analysis	Date Sampled	Date Received	Client/ Project	Container/ Storage
EH000317-01	IMW-5	Soil	2508/4007	03/15/00	03/17/00	P06004-60	8 oz. jar

pw

Dwight B. Bohannan
3/17/00

Chain-of-Custody/Request for Analysis

31-01 20th Avenue, L.I.C., NY 11720

Fax: (718) 956-8068



03/31/00 FRI 18:16 FAX 6178234610

META ENVIRONMENTAL

LABORATORY COPY

(1) Chain-of-Custody Request Form

LSN: (Lab Use Only) 00-02458 e² MIS Incident #: _____ Chain-of-Custody ID #: **AA14668**

Sample Site: White Plains S/S Borough: MH ☐ BK ☐ QN ☐ BX ☐ WE ☐ SI ☐

Requested By: Yelena Skorobogor Employee #: 84153 Telephone #: (718) 204 42 05 Account #: 66993

E-mail Notification: SKOROBOGOR@NY.ROEHLER Organization: (*Check Box Below) Dept. 24-hour Tel. #: (_____, _____)

Sampled By: David Gerschuler Employee #: _____ Asbestos License #: _____ Customer's ID #: _____

[illegible]

META ENVIRONMENTAL SAMPLE RECEIPT							
Lab ID	Field ID	Matrix	Analysis	Date Sampled	Date Received	Client/ Project	Container/ Storage
PW000320-01	SB-1	Soil	2508/4007	03/16/00	03/20/00	P06004-60	8 oz. jar
PW000320-02	TB-5	Soil	2508/4007	03/16/00	03/20/00	P06004-60	8 oz. jar

Dirk Berhan
3/20/00

META ENVIRONMENTAL SAMPLE RECEIPT								
Lab ID	Field ID	Matrix	Analysis	Date Sampled	Date Received	Client/Project	Container/Storage	Comments/Location
PW000321-01	TB-1, 28-30'	Soil	2508/4007	03/17/00	03/21/00	P06004-60	8 oz. jar	
PW000321-02	TB-1, 36-39'	Soil	2508/4007	03/17/00	03/21/00	P06004-60	8 oz. jar	
PW000321-03	TB-2, 17.5'	Soil	2508/4007	03/17/00	03/21/00	P06004-60	8 oz. jar	

Michael L. Hy
3/21/00

EH&S ChemLab

Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105

Tel: (718) 204 4124
Fax: (718) 956-8058



LSN: (Lab Use Only) 00-02566 e² MIS Incident #: _____ Chain-of-Custody ID #: **AA15272**
 Sample Site: White Plains S/S Borough: MH ☐ BK ☐ ON ☐ BX ☐ WE ☐ SI ☐
 Requested By: Telena Skorobogator Employee #: 84153 Telephone #: _____ Account #: R8461
 E-mail Notification: _____ Organization: (*Check Box Below) Dept. 24-hour Tel. #: _____
 Sampled By: David Gerschwiler (GWC) Employee #: _____ Asbestos License #: _____ Customer's ID #: _____

Priority: E (within 8 hours) A (within 24 hours)
B (within 7 days)

An 'E' or 'A' priority requires an e²MIS Incident #
or an operational necessity justification:

Preservation Information:

Temp Blank: Yes _____ No _____ °C

Preserved with _____

Comments: _____

(5) Analysis (Test) required — include method number if applicable

SAMPLE INFO

TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike

MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

Collected (3)		Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	(4)		(5)														e ² MIS Sample ID # (Not Incident #)					
Date	Time			Sample Matrix	Sample Type	Total # of samples	Total # of containers	Oil ID	PCB	TEL-VOC	TEL-SVOC	TEL-METALS	TEL-BENZ	TEL-FULL	BTX	OIL & GREASE	GLAC-IN-OIL	TOTAL BENZ	ASBESTOS	DIELECTRIC	TOTAL HALOGEN	TPH	IGNITABILITY	REACTIVITY	GC/MS
3/17/00	1230	TB-1, 28-30' *		SO	G																		X		PW000321-
	1300	TB-1, 36-39'		SO	G																		X		-0
	1400	TB-2, 17.5'		SO	G																		X		-0

Comments / Special Instructions / Samples to be
Additional E Mail Notifications: Sent to META
Environmental per
Telena Skorobogator

Central Services ☐ Environment, Health & Safety ☐ Transportation & Stores ☐ Research & Development ☐ Facilities & Office Services	Electric Operations ☐ Customer Services ☐ Distribution Engineering ☐ Manhattan ☐ Bronx & Westchester ☐ Staten Island ☐ Brooklyn & Queens	Central Operations ☐ System & Transmission Operations ☐ Maintenance Services ☐ Energy Management ☐ Substation Operations ☐ Steam Operations	Nuclear Operations ☐ Nuclear Power ☐ Nuclear Engineering ☐ Public Affairs	☐ Gas Ops ☐ Law ☐ Auditing
--	---	--	--	---

Relinquished by (Signature): <u>David Gerschwiler</u>	Date: <u>3-17-00</u>	Received by (Signature): <u>Jan L. Goch</u>	Date: <u>3-17</u>	Relinquished by (Signature): <u>Jan L. Goch</u>	Date: <u>3-17</u>	Received by (Signature):	Date:
Relinquished by (Signature):	Date:	Received by (Signature):	Date:	Relinquished by (Signature):	Date:	Received by (Signature):	Date:
Relinquished by (Signature):	Date:	Received by (Signature):	Date:	Relinquished by (Signature):	Date:	Received by (Signature):	Date:

03/31/00 FRI 16:19 FAX 6179234610

META ENVIRONMENTAL

LABORATORY COPY

023

Last

Page

**Appendix D-2
Groundwater Sample Fingerprint Reports**



49 Clarendon Street
Watertown, MA 02172
TEL: (617) 923-4662
FAX: (617) 923-4610

FACSIMILE TRANSMITTAL SHEET

TO: Imants Reks
Parsons Engineering Science
290 Elwood Davis Road, Suite 290
Syracuse, NY 13088

FAX NO: 315-451-9570

TOTAL PAGES: 12

SENT BY: Stephen Emsbo-Mattingly

SUBJECT: Con-Ed White Plains S/S
Hydrocarbon Fingerprinting Report

COMMENTS: Hardcopy will be sent by US Postal Service.

Please Note Our New ZIP Code:
02472-2872



49 Clarendon Street
Watertown, MA 02472
TEL: (617) 923-4662
FAX: (617) 923-4610

12 May 2000

Ms. Yelena Skorobogatov
Consolidated Edison
31-01 20th Avenue, Building 138
Long Island City, NY 11105

RE: Hydrocarbon Fingerprinting Analyses

Dear Ms. Skorobogatov:

This package contains the analytical results from three aqueous samples received on 13 April 2000 by META Environmental, Inc. (META) from Parsons Engineering Science. Two reference materials were selected from the META reference materials archive for comparative purposes.

Methods

One liter of sample was serially extracted three times with 60 mL aliquots of dichloromethane (DCM; EPA 3510C). The extracts were dried with sodium sulfate and concentrated to 1 mL. The extracts were spiked with internal standard and analyzed on a gas chromatograph equipped with a flame ionization detector (GC/FID) for monocyclic aromatic hydrocarbons (MAHs), polycyclic aromatic hydrocarbons (PAHs), and hydrocarbon fingerprint.

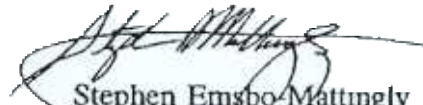
Analytical Results

The concentrations of MAHs and PAHs and hydrocarbon fingerprints follow this narrative.

These samples contained predominantly tar with lower relative amounts of a heavy weight petroleum product. The pattern of MAHs and PAHs in all samples resembled the tar reference material. The relatively high abundances of MAHs and light PAHs suggested the presence of the water soluble fraction of tar. Some high molecular weight PAHs were detected in samples TB-1 and SB-1 above the pure component solubility indicating that the samples also contained tar droplets or contaminated sediment. An unresolved complex mixture (UCM) eluted between 10 and 50 minutes with a maximum between 30 and 35 minutes. This UCM resembled the gas oil reference material. The presence of tar and petroleum of these types is common for carburetted water gas plants. However, this conclusion could not be substantiated due to the limited number of samples.

Please do not hesitate to contact me if you have any questions about these data.

Sincerely,



Stephen Emsbo-Mattingly
Laboratory Director

cc: Imats Reks, Parsons Engineering Science

ANALYTICAL RESULTS

MAHs and PAHs

Client: Parsons Project: White Plains S/S

Lab ID	PW000413-01/10	PW000413-02	PW000413-03/10
Field ID:	TB-1	TB-5	SB-1
MAHs:			
Benzene	24.0	2.17	2.22 J
Toluene	15.7	48.1	8.34
Ethylbenzene	273	214	424
m/p-Xylene	317 B	137 B	232 B
Styrene	2.78 U	0.29 U	2.87 U
o-Xylene	236	169	264
1,2,4-Trimethylbenzene	248	108	646
Total MAHs:	866	570	931
PAHs:			
Naphthalene	4,490 D	7,700	7,830 D
2-Methylnaphthalene	1,040	49.5	1,370
1-Methylnaphthalene	700	116	1,030
Acenaphthylene	87.8	6.83	93.5
Acenaphthene	657	128	894
Dibenzofuran	50.8	17.9	94.6
Fluorene	266	31.4	324
Phenanthrene	747	14.2	949
Anthracene	269	9.86	351
Fluoranthene	239	6.05	331
Pyrene	344	8.85	486
Benz(a)anthracene	149	3.01	230
Chrysene	118	2.39	180
Benzo(b)fluoranthene	44.9	1.09	74.9
Benzo(k)fluoranthene	58.7	0.99	88.0
Benzo(a)pyrene	95.7	1.74	152
Indeno(1,2,3-cd)pyrene	38.2	0.64	60.6
Dibenz(a,h)anthracene	11.3	0.32	18.3
Benzo(g,h,i)perylene	48.0	1.64	70.2
Total PAHs:	9,410	8,090	14,500
Quantitation Limit:	2.78	0.29	2.87
Detection Limit:	1.11	0.11	1.15
Fluorobenzene (SS1)	29%	23%	29%
2-Fluorobiphenyl (SS2)	100%	80%	118%
Concentration Units:	ug/L	ug/L	ug/L

B = Analyte detected in the blank

D = Values from a diluted sample extract

DL = QC compounds diluted out

E = Estimated value, above calibration range

I = Interference

J = Estimated value

L = Coeluted with compound listed above

NM = Not measured

U = Not detected at quantitation limit shown

Total MAHs does not include 1,2,4-Trimethylbenzene.

Total PAHs does not include Dibenzofuran.

All soil results reported on a dry weight basis.

ANALYTICAL RESULTS

MAHs and PAHs

Client: Parsons Project: White Plains S/S

Lab ID Field ID:	PW000425-AB Aqueous Blank	PW000425-ABS Blank Spike
MAHs:		
Benzene	0.25 U	32%
Toluene	0.25 U	65%
Ethylbenzene	0.25 U	71%
m/p-Xylene	2.44	71%
Styrene	0.25 U	78%
o-Xylene	0.25 U	74%
1,2,4-Trimethylbenzene	0.25 U	72%
Total MAHs:	2.44	
PAHs:		
Naphthalene	0.25 U	94%
2-Methylnaphthalene	0.25 U	93%
1-Methylnaphthalene	0.25 U	93%
Acenaphthylene	0.25 U	98%
Acenaphthene	0.25 U	98%
Dibenzofuran	0.25 U	99%
Fluorene	0.25 U	100%
Phenanthrene	0.25 U	101%
Anthracene	0.25 U	101%
Fluoranthene	0.25 U	104%
Pyrene	0.25 U	103%
Benz(a)anthracene	0.25 U	103%
Chrysene	0.25 U	103%
Benzo(b)fluoranthene	0.25 U	104%
Benzo(k)fluoranthene	0.25 U	103%
Benzo(a)pyrene	0.25 U	102%
Indeno(1,2,3-cd)pyrene	0.25 U	104%
Dibenz(a,h)anthracene	0.25 U	104%
Benzo(g,h,i)perylene	0.25 U	104%
Total PAHs:	ND	
Quantitation Limit:	0.25	
Detection Limit:	0.10	
Fluorobenzene (SS1)	25%	30%
2-Fluorobiphenyl (SS2)	79%	84%
Concentration Units:	ug/L	

B = Analyte detected in the blank

D = Values from a diluted sample extract

DL = QC compounds diluted out

E = Estimated value, above calibration range

I = Interference

J = Estimated value

L = Coeluted with compound listed above

NM = Not measured

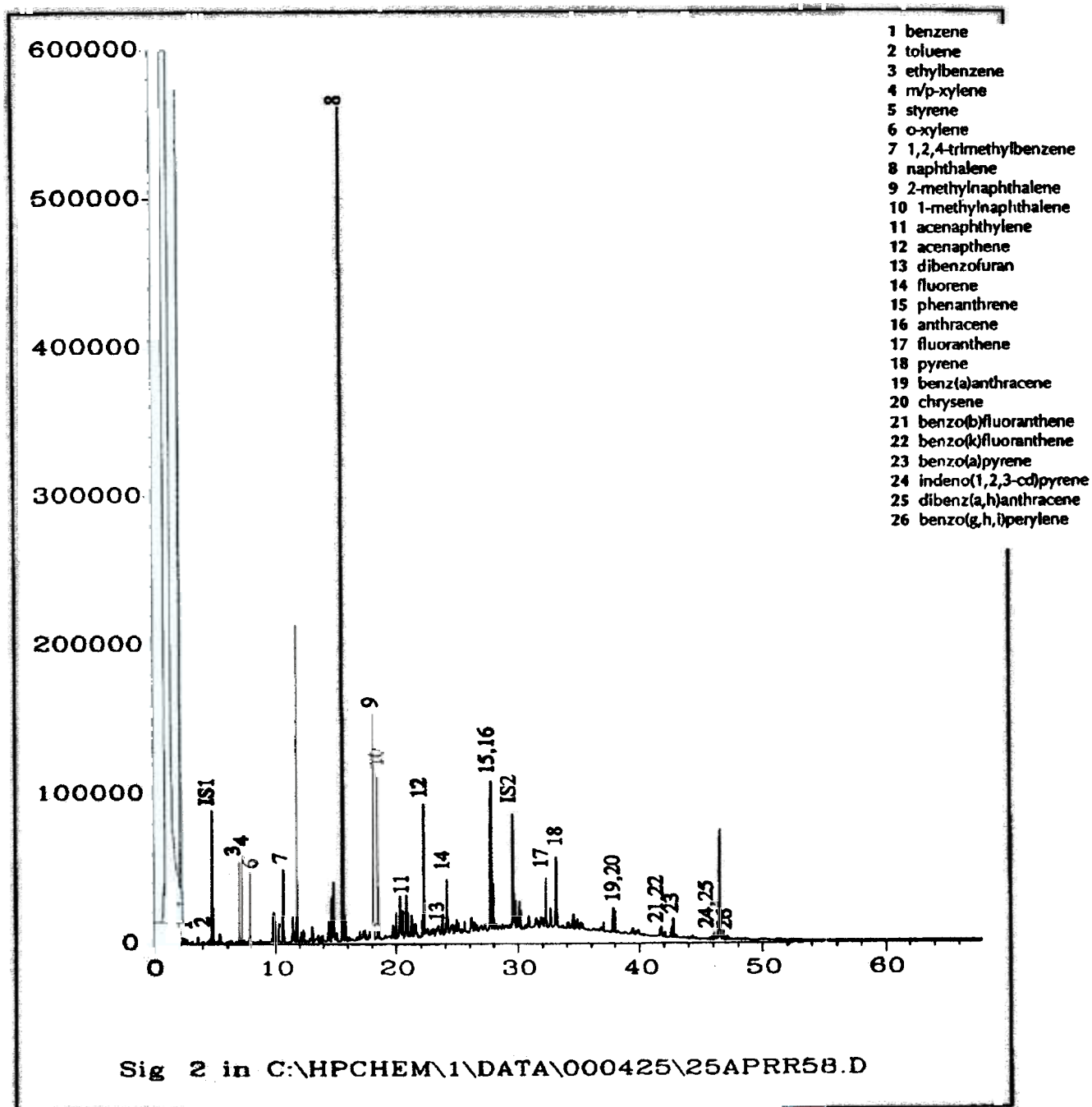
U = Not detected at quantitation limit shown

Total MAHs does not include 1,2,4-Trimethylbenzene.

Total PAHs does not include Dibenzofuran.

All soil results reported on a dry weight basis.

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - fluorobenzene

S2 - 2-fluorobiphenyl

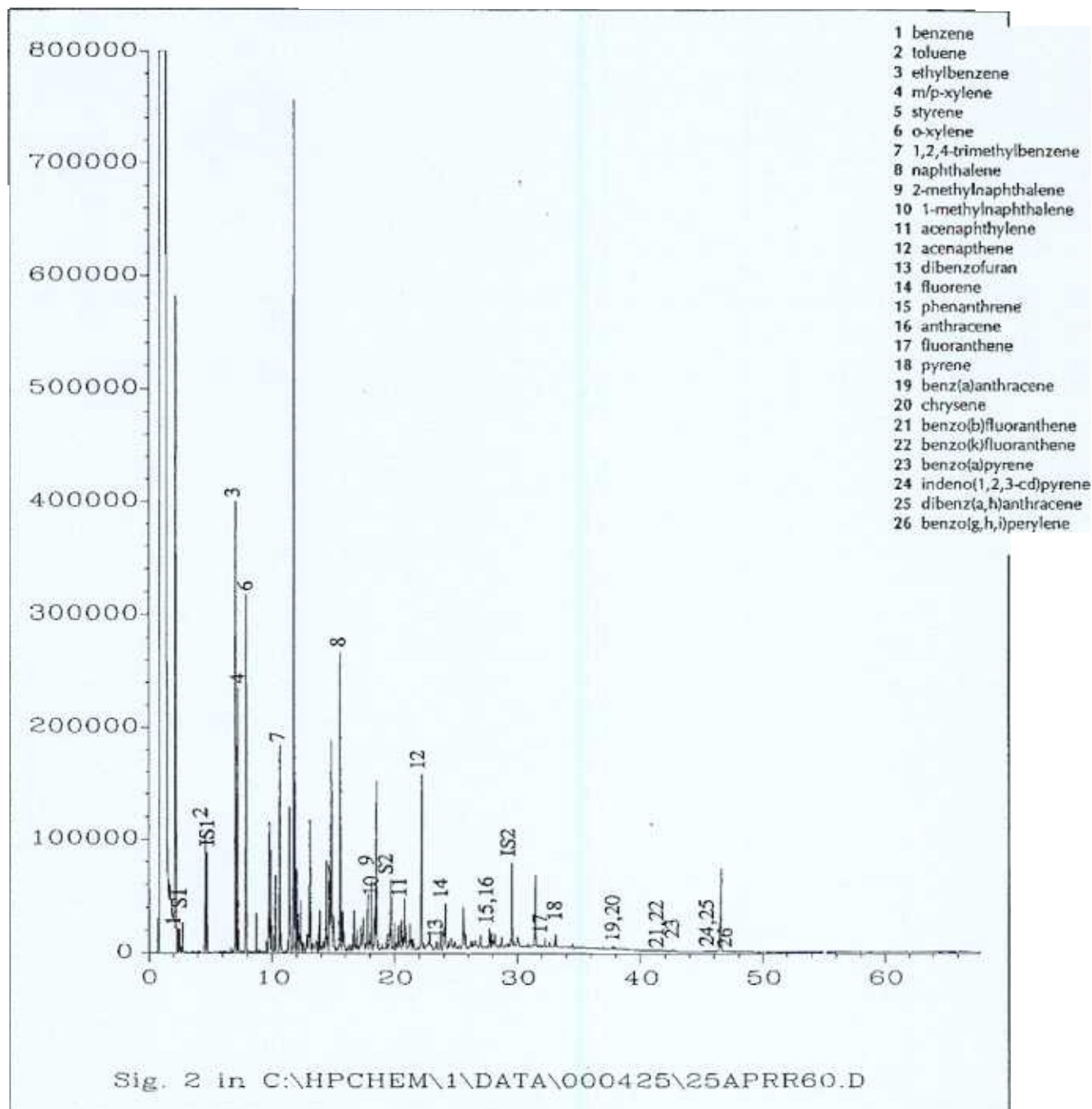
S3 - 5 α -androstane

Field ID: TB-1

Laboratory ID: PW000413-01

Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - fluorobenzene

S2 - 2-fluorobiphenyl

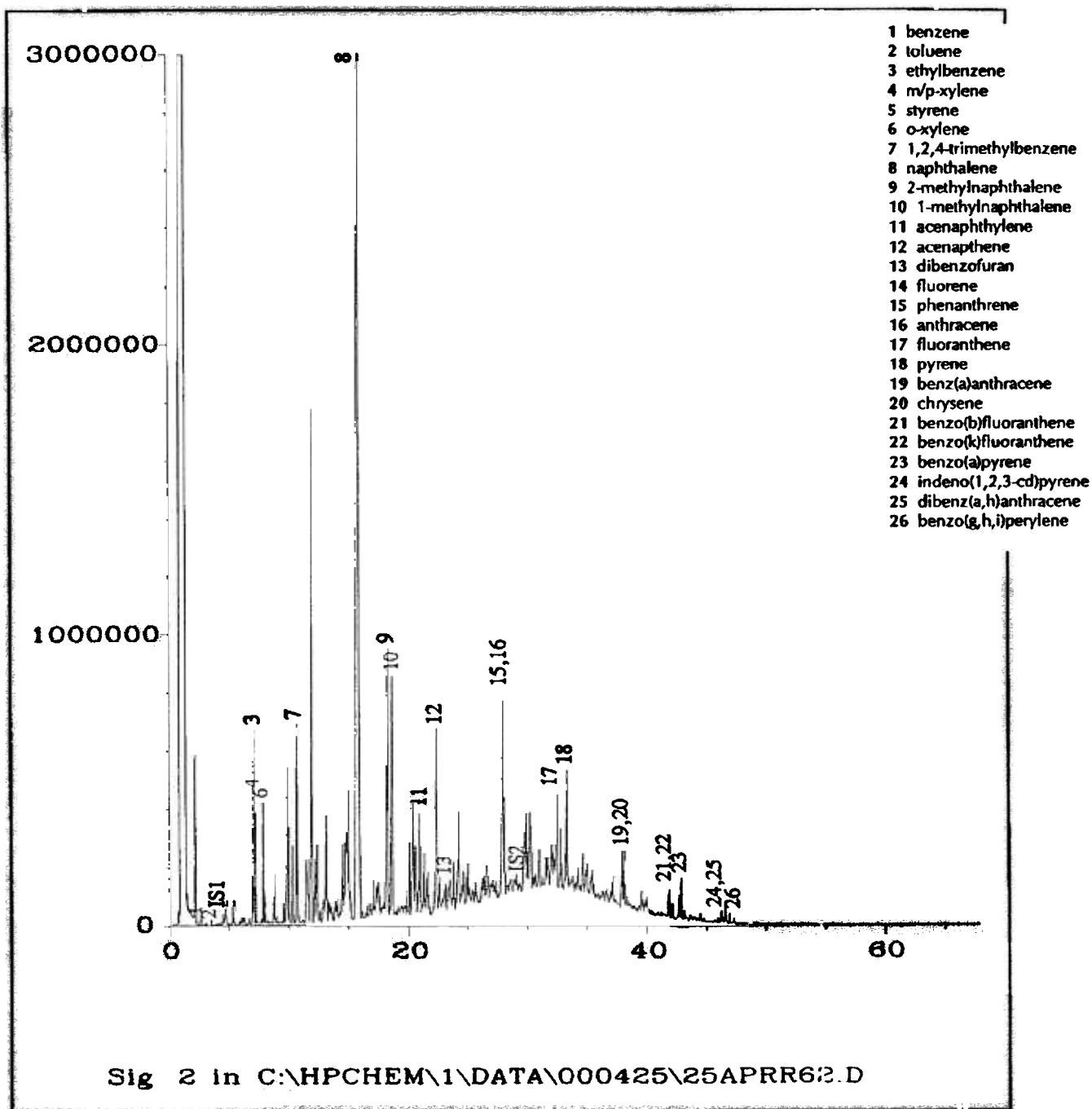
S3 - 5a-androstane

Field ID: TB-5

Laboratory ID: PW000413-02

Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - fluorobenzene

S2 - 2-fluorobiphenyl

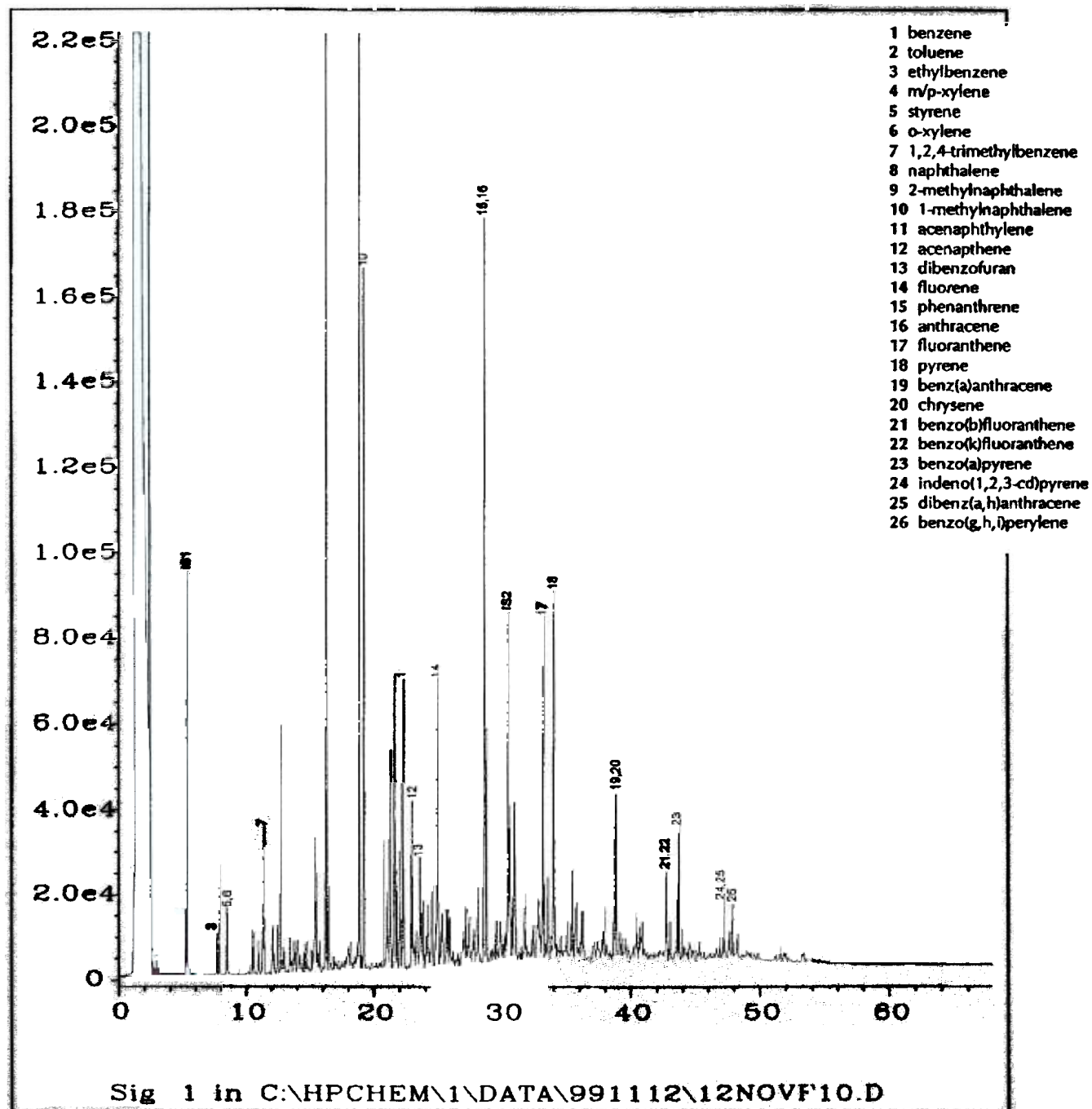
S3 - 5 α -androstane

Field ID: SB-1

Laboratory ID: PW000413-03

Method: MET4007D

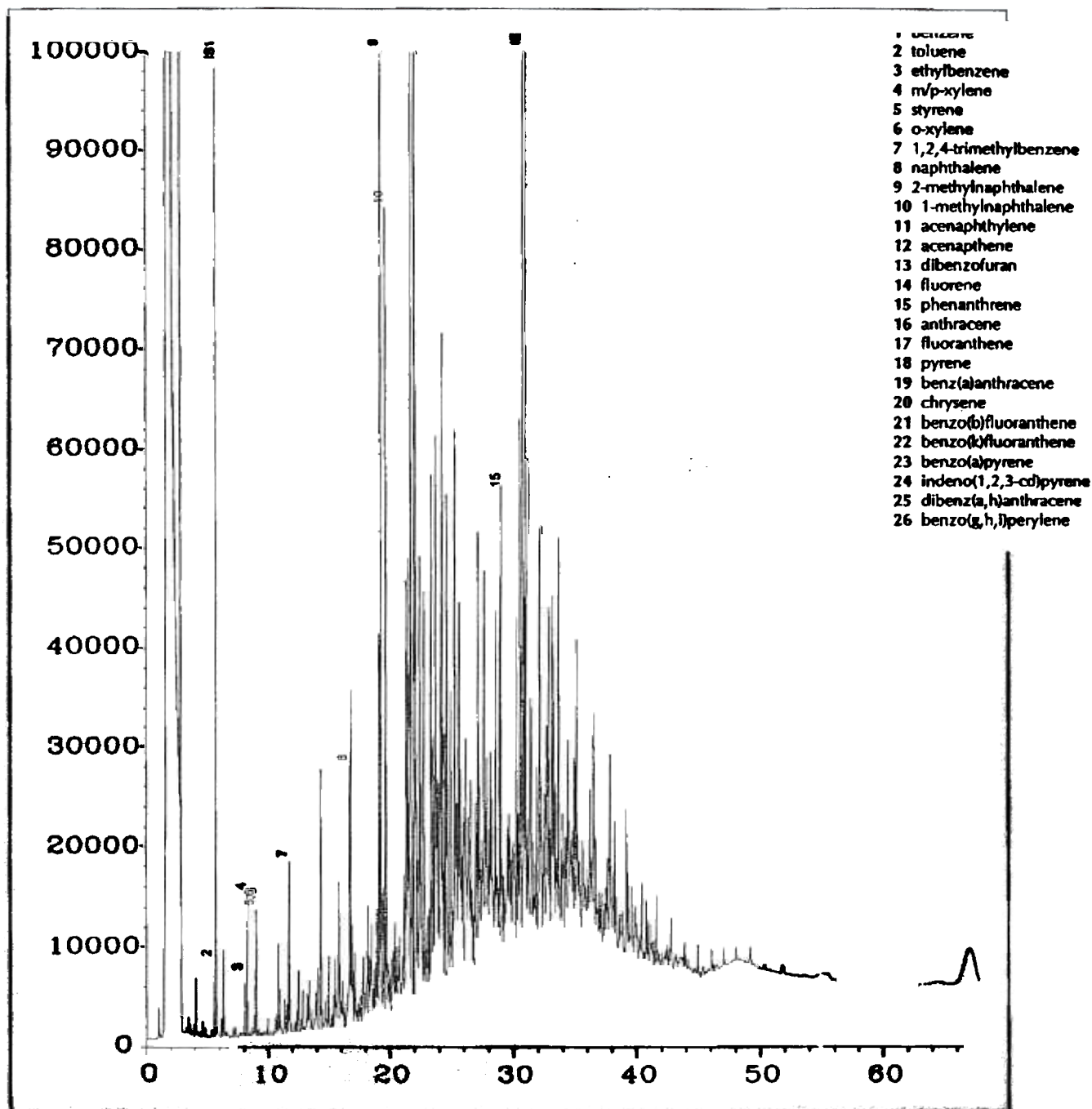
GC/FID Fingerprint



IS1 - 2,4-difluorotoluene
IS2 - o-terphenyl
S1 - fluorobenzene
S2 - 2-fluorobiphenyl
S3 - 5a-androstane

Field ID: MGP Tar (Mixed)
Laboratory ID: EL991110-03 (T012)
Method: MET4007D

GC/FID Fingerprint



IS1 - 2,4-difluorotoluene

IS2 - o-terphenyl

S1 - Fluorobenzene

S2 - 2-Fluorobiphenyl

S3 - 5 α -Androstane

Field ID: Combusted Gas Oil

Laboratory ID: P178

Method: MET4007D

META ENVIRONMENTAL SAMPLE RECEIPT

Lab ID	Field ID	Matrix	Analyst	Date Sampled	Date Received	Client/ Project	Container/ Storage
PW000413-01	TB-1	Water	4007	04/06/00	04/13/00	P06004-60	1L. Amber
PW000413-02	TB-5	Water	4007	04/06/00	04/13/00	P06004-60	1L. Amber
PW000413-03	SB-1	Water	4007	04/06/00	04/13/00	P06004-60	1L. Amber

Dusty Berham
4/13/00

EH&S ChemLab

Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105

Tel: (718) 204 4124
Fax: (718) 956-8058



(1) LSN: (Lab Use Only) 00-03374 e²MIS Incident #: _____ Chain-of-Custody ID #: **AA15369**
 Sample Site: White Plains Substation Borough: MH ☐ BK ☐ QN ☐ BX ☐ WE ☒ SI ☐
 Requested By: Yelena Skorbogator Employee #: 84153 Telephone #: (718) 204 4205 Account #: 56993
 E-mail Notification: _____ Organization: (*Check Box Below) Dept. 24-hour Tel. #: (_____) _____
 Sampled By: B. Blum, E. Capasso / JWC Employee #: VENDOR Asbestos License #: _____ Customer's ID #: _____

(2) Priority: E (within 8 hours) A (within 24 hours) B (within 7 days)
 An 'E' or 'A' priority requires an e²MIS Incident # or an operational necessity justification: _____

Preservation Information:
 Temp Blank: Yes _____ No _____ °C _____
 Preserved with _____
 Comments: _____

(5) Analysis (Test) required - Include method number if applicable

Collected (3)		Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	(4)		Total # of samples	Total # of containers	Oil ID	PCB	TCLP VOC	TCLP SVOC	TCLP METALS	TCLP BENZENE	BTEX	OIL & GREASE	TSS	GAS-IN-OIL	TOTAL BENZENE	ASBESTOS	DIELECTRIC	TOTAL HALOGENS	TPH	IGNITABILITY	REACTIVITY	PRODUCT FINGERPRINT	e ² MIS Sample ID # (Not Incident #)
Date	Time			Sample Matrix	Sample Type																					
4/6/00	1450	TB-1		WO	G																					
4/6/00	1515	TB-5		WO	G																					
4/6/00	1550	SB-1		WO	G																					

Comments / Special Instructions / Additional E Mail Notifications: SEND SAMPLES OUT TO E~~ST~~ FOR ANALYSES. (ETA Environmental)

Central Services		Electric Operations		Central Operations		Nuclear Operations		Gas Ops	
☒ Environment, Health & Safety	☐ Customer Services	☐ Bronx & Westchester	☐ System & Transmission Operations	☐ Nuclear Power	☐ Gas Ops	☐ Law	☐ Auditing	☐ Public Affairs	☐ Steam Operations
☐ Transportation & Stores	☐ Distribution Engineering	☐ Staten Island	☐ Maintenance Services	☐ Nuclear Engineering					
☐ Research & Development	☐ Manhattan	☐ Brooklyn & Queens	☐ Energy Management						
☐ Facilities & Office Services	☐ Customer Operations		☐ Substation Operations						

Relinquished by (Sampler): (Signature) E. Capasso Date 4/6/00 Time 1845
 Received by (Signature): J. Dallman Date 4/6 Time 1847
 Relinquished by (Signature): _____ Date _____ Time _____
 Received by (Signature): _____ Date _____ Time _____
 Relinquished by (Signature): _____ Date _____ Time _____
 Received by (Signature): _____ Date _____ Time _____

* 14.5°C

**APPENDIX E
TCLP RESULTS**

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

MAY 8 2000

ELAP# 10380

Lab Sequence Number: 99-11918-001
E2MIS Incident Number:
E2MIS Sample Number:Date Reported: 11/26/99
Date Analyzed: 11/15/99
Date Received: 11/11/99
Date Sampled: 11/11/99Submitter: C.KOVARI
Description: SOIL-GT-2 & GT-3, WHITE PLAINS S/S WE
Facility: 310 E KINGSBRIDGE

TSL Analyst: SLOAN

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL.
THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: GT-2, S-2, 4-5 FT
Location: WHITE PLAINS S/S

SAMPLE TYPE: SOIL

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic	<0.0067	PPM
Barium	0.21	PPM
Cadmium	0.0040	PPM
Chromium	0.0070	PPM
Lead	0.045	PPM
Mercury	<0.00005	PPM
Selenium	0.0100	PPM
Silver	<0.0089	PPM

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene	<0.0014	PPM
Carbon Tetrachloride	<0.0034	PPM
Chlorobenzene	<0.0021	PPM
Chloroform	<0.0026	PPM
1,2-Dichloroethane	<0.0019	PPM
1,1-Dichloroethene	<0.0048	PPM
Methyl Ethyl Ketone	<0.0082	PPM
Tetrachloroethene	<0.0028	PPM
Trichloroethene	<0.0027	PPM
Vinyl Chloride	<0.0041	PPM

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol	<0.017	PPM
m-Cresol	<0.008	PPM
p-Cresol	<0.008	PPM
1,4-Dichlorobenzene	<0.015	PPM
2,4-Dinitrotoluene	<0.019	PPM
Hexachlorobenzene	<0.023	PPM
Hexachlorobutadiene	<0.10	PPM
Hexachloroethane	<0.019	PPM
Nitrobenzene	<0.017	PPM
Pentachlorophenol	<0.50	PPM
Pyridine	<0.0086	PPM
2,4,5-Trichlorophenol	<0.017	PPM
2,4,6-Trichlorophenol	<0.015	PPM

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

NOTE: Vacant fields indicate test not requested

Approved By: Ciullo
Title: Supervisor

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

MAY 8 2000

ELAP# 10380

Lab Sequence Number: 99-11918-002
E2MIS Incident Number:
E2MIS Sample Number:

Date Reported: 11/26/99
Date Analyzed: 11/15/99
Date Received: 11/11/99
Date Sampled: 11/11/99

Submitter: C.KOVARI
Description: SOIL-GT-2 & GT-3, WHITE PLAINS S/S:WE
Facility: 310 E KINGSBRIDGE

TSL Analyst: SLOAN

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL.
THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: GT-3, S-3, 4-5 FT
Location: WHITE PLAINS S/S

SAMPLE TYPE: SOIL

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic	0.027	PPM
Barium	0.67	PPM
Cadmium	<0.0033	PPM
Chromium	<0.0056	PPM
Lead	0.40	PPM
Mercury	<0.00005	PPM
Selenium	<0.0056	PPM
Silver	<0.0089	PPM

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene	<0.0014	PPM
Carbon Tetrachloride	<0.0034	PPM
Chlorobenzene	<0.0021	PPM
Chloroform	<0.0026	PPM
1,2-Dichloroethane	<0.0019	PPM
1,1-Dichloroethene	<0.0048	PPM
Methyl Ethyl Ketone	<0.0082	PPM
Tetrachloroethene	<0.0028	PPM
Trichloroethene	<0.0027	PPM
Vinyl Chloride	<0.0041	PPM

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol	<0.017	PPM
m-Cresol	<0.008	PPM
p-Cresol	<0.008	PPM
1,4-Dichlorobenzene	<0.0015	PPM
2,4-Dinitrotoluene	<0.019	PPM
Hexachlorobenzene	<0.023	PPM
Hexachlorobutadiene	<0.10	PPM
Hexachloroethane	<0.019	PPM
Nitrobenzene	<0.017	PPM
Pentachlorophenol	<0.50	PPM
Pyridine	<0.0086	PPM
2,4,5-Trichlorophenol	<0.017	PPM
2,4,6-Trichlorophenol	<0.015	PPM

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

NOTE: Vacant fields indicate test not requested

Approved By: Ciullo
Title: Supervisor

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

MAY 8 2000

ELAP# 10380

Lab Sequence Number: 99-12066-006
E2MIS Incident Number
E2MIS Sample Number:

Date Reported: 12/08/99
Date Analyzed: 11/21/99
Date Received: 11/17/99
Date Sampled: 11/16/99

Submitter: Christine Kovari
Description: SOIL-GT-4,-5,-6;WHITE PLAINS S/S:WESTCHESTER
Facility: 310 EAST KINGSBRIDGE RD, BX

TSL Analyst: R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: GT-4 S-5 4-5ft
Location: WHITE PLAINS S/S

SAMPLE TYPE: SOIL

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic	0.10	ppm
Barium	<1.00	ppm
Cadmium	<0.030	ppm
Chromium	<0.050	ppm
Lead	<0.020	ppm
Mercury	<.000050	ppm
Selenium	<0.050	ppm
Silver	<0.080	ppm

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene	<0.0010	ppm
Carbon Tetrachloride	<0.0018	ppm
Chlorobenzene	<0.0011	ppm
Chloroform	<0.0015	ppm
1,2-Dichloroethane	<0.0020	ppm
1,1-Dichloroethene	<0.0018	ppm
Methyl Ethyl Ketone	<0.025	ppm
Tetrachloroethene	<0.0011	ppm
Trichloroethene	<0.0020	ppm
Vinyl Chloride	<0.0025	ppm

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol	<0.017	ppm
m-Cresol	<0.016	ppm
p-Cresol	<0.016	ppm
1,4-Dichlorobenzene	<0.015	ppm
2,4-Dinitrotoluene	<0.019	ppm
Hexachlorobenzene	<0.023	ppm
Hexachlorobutadiene	<0.10	ppm
Hexachloroethane	<0.019	ppm
Nitrobenzene	<0.017	ppm
Pentachlorophenol	<0.50	ppm
Pyridine	<0.0086	ppm
2,4,5-Trichlorophenol	<0.017	ppm
2,4,6-Trichlorophenol	<0.015	ppm

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

NOTE: Vacant fields indicate test not requested.

Approved By: VOLPE
Title: Supervisor

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

MAY 8 2000

ELAP# 10380

Lab Sequence Number: 99-12066-004
E2MIS Incident Number:
E2MIS Sample Number:

Date Reported: 12/08/99
Date Analyzed: 11/21/99
Date Received: 11/17/99
Date Sampled: 11/16/99

Submitter: Christine Kovari
Description: SOIL-GT-4,-5,-6;WHITE PLAINS S/S:WESTCHESTER
Facility: 310 EAST KINGSBRIDGE RD, BX

TSL Analyst: R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL.
THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: GT-5 S-6 1-5ft
Location: WHITE PLAINS S/S

SAMPLE TYPE: SOIL

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic	0.32	ppm
Barium	<1.00	ppm
Cadmium	<0.030	ppm
Chromium	<0.050	ppm
Lead	<0.020	ppm
Mercury	<.000050	ppm
Selenium	<0.050	ppm
Silver	<0.080	ppm

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene	<0.0010	ppm
Carbon Tetrachloride	<0.0018	ppm
Chlorobenzene	<0.0011	ppm
Chloroform	<0.0015	ppm
1,2-Dichloroethane	<0.0020	ppm
1,1-Dichloroethene	<0.0018	ppm
Methyl Ethyl Ketone	<0.025	ppm
Tetrachloroethene	<0.0011	ppm
Trichloroethene	<0.0020	ppm
Vinyl Chloride	<0.0025	ppm

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol	<0.017	ppm
m-Cresol	<0.016	ppm
p-Cresol	<0.016	ppm
1,4-Dichlorobenzene	<0.015	ppm
2,4-Dinitrotoluene	<0.019	ppm
Hexachlorobenzene	<0.023	ppm
Hexachlorobutadiene	<0.10	ppm
Hexachloroethane	<0.019	ppm
Nitrobenzene	<0.017	ppm
Pentachlorophenol	<0.50	ppm
Pyridine	<0.0086	ppm
2,4,5-Trichlorophenol	<0.017	ppm
2,4,6-Trichlorophenol	<0.015	ppm

PESTICIDES: USEPA SW846 8081/1311

Endrin	
Lindane	
Methoxychlor	
Toxaphene	
Chlordane	
Heptachlor	
Heptachlor Epoxide	

HERBICIDES: USEPA SW846 8151/1311

2,4-D	
Silvex (2,4,5-TP)	

Analyzed by Environmental Testing Laboratories, Inc. ELAP# 10969

NOTE: Vacant fields indicate test not requested

Approved By: VOLPE
Title: Supervisor

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

MAY 8 2000

ELAP# 10380

Lab Sequence Number: 99-12066-002
E2MIS Incident Number:
E2MIS Sample Number:Date Reported: 12/08/99
Date Analyzed: 11/21/99
Date Received: 11/17/99
Date Sampled: 11/16/99Submitter: Christine Kovari
Description: SOIL-GT-4, -5, -6; WHITE PLAINS S/S: WESTCHESTER
Facility: 310 EAST KINGSBRIDGE RD, BX

TSL Analyst: R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL.
THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: GT-6 S-4 4-5ft
Location: WHITE PLAINS S/S

SAMPLE TYPE: SOIL

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic	<0.060	ppm
Barium	<1.00	ppm
Cadmium	<0.030	ppm
Chromium	<0.050	ppm
Lead	0.068	ppm
Mercury	<.000050	ppm
Selenium	0.071	ppm
Silver	<0.080	ppm

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene	<0.0010	ppm
Carbon Tetrachloride	<0.0018	ppm
Chlorobenzene	<0.0011	ppm
Chloroform	<0.0015	ppm
1,2-Dichloroethane	<0.0020	ppm
1,1-Dichloroethene	<0.0018	ppm
Methyl Ethyl Ketone	<0.025	ppm
Tetrachloroethene	<0.0011	ppm
Trichloroethene	<0.0020	ppm
Vinyl Chloride	<0.0025	ppm

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol	<0.017	ppm
m-Cresol	<0.016	ppm
p-Cresol	<0.016	ppm
1,4-Dichlorobenzene	<0.015	ppm
2,4-Dinitrotoluene	<0.019	ppm
Hexachlorobenzene	<0.023	ppm
Hexachlorobutadiene	<0.10	ppm
Hexachloroethane	<0.019	ppm
Nitrobenzene	<0.017	ppm
Pentachlorophenol	<0.50	ppm
Pyridine	<0.0086	ppm
2,4,5-Trichlorophenol	<0.017	ppm
2,4,6-Trichlorophenol	<0.015	ppm

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

NOTE: Vacant fields indicate test not requested.

Approved By: VOLPE
Title: Supervisor

May. 08 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

Lab Sequence Number: 99-12142-002

Date Reported: 12/01/99

Date Received: 11/19/99

Date Sampled: 11/18/99

Time Sampled: 0931

Submitter: STEPIEN.W

Description: SOIL-GT-7,S-8, 4-5 FT WHITE PLAINS SS

Facility:

Analyzed By: SLOAN

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE APPROVAL OF TSL. TEST RESULTS RELATE ONLY TO THE SAMPLES SUBMITTED TO TSL.

Location: WHITE PLAINS SS GT-7,S-8 4-5 FT

Test	Result	Units	MDL
Benzene Result	<0.0010	ppm	
Carbon Tetrachloride Res	<0.0018	ppm	
Chlorobenzene Result	<0.0011	ppm	
1,2-Dichloroethane Res	<0.0020	ppm	
1,1-Dichloroethene Res	<0.0018	ppm	
Chloroform Result	<0.0015	ppm	
Methyl Ethyl Keytone Res	<0.025	ppm	
Tetrachloroethene Result	<0.0011	ppm	
Trichloroethene Result	<0.0020	ppm	
Vinyl Chloride Result	<0.0025	ppm	
2-Methylphenol Result	<0.017	ppm	
1,4-Dichlorobenzene Res	<0.015	ppm	
2,4-Dinitrotoluene Res	<0.019	ppm	
Hexachlorobenzene Result	<0.023	ppm	
Hexachlorobutadiene Res	<0.10	ppm	
Hexachloroethane Result	<0.019	ppm	
Nitrobenzene Result	<0.017	ppm	
Pentachlorophenol Result	<0.50	ppm	
Pyridine Result	<0.0086	ppm	
2,4,5-Trichlorophenol	<0.017	ppm	
2,4,6-Trichlorophenol	<0.015	ppm	
3-Methylphenol Result	<0.008	ppm	
4-Methylphenol Result	<0.008	ppm	
Arsenic (As)	<0.060	ppm	0.060
Barium (Ba)	<1.00	ppm	1.00
Cadmium (Cd)	<0.030	ppm	0.030
Chromium (Cr)	<0.050	ppm	0.050
Lead (Pb)	<0.020	ppm	0.020
Mercury (Hg)	<.000050	ppm	.000050
Selenium (Se)	0.10	ppm	0.050
Silver (Ag)	<0.080	ppm	0.080

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 1096

Skorobogatov, Yelena

From: CHEMLIMS@tao.coned.com
 Sent: Wednesday, December 01, 1999 11:35 AM
 To: Stepien, Walter
 Subject: By W.STEPIEN 99-12136

CONSOLIDATED EDISON DEC. 1 1999
 ENVIRONMENTAL, HEALTH & SAFETY
 CHEMLAB ELAP# 10380

Lab Sequence Number: 99-12136-002 Date Reported: 12/01/99
 E2MIS Incident Number: Date Analyzed: 11/23/99
 E2MIS Sample Number: Date Received: 11/18/99
 Date Sampled: 11/18/99

Submitter: W.STEPIEN
 Description: SOIL-GT-8,S-7,4-5 FT,WHITE PLAINS S/S:WE
 Facility: 4 IRVING PL

TSL Analyst: SLOAN

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
 WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
 NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL.
 THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: GT-8,S-7,4-5 FT SAMPLE TYPE: SOIL
 Location: WHITE PLAINS S/S

METALS: USEPA SW846 8010/HG7471A/1311 VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic	<0.060	ppm	Benzene	<0.0010	ppm
Barium	<1.00	ppm	Carbon Tetrachloride	<0.0018	ppm
Cadmium	<0.030	ppm	Chlorobenzene	<0.0011	ppm
Chromium	<0.050	ppm	Chloroform	<0.0015	ppm
Lead	<0.020	ppm	1,2-Dichloroethane	<0.0020	ppm
Mercury	<0.000050	ppm	1,1-Dichloroethene	<0.0018	ppm
Selenium	0.087	ppm	Methyl Ethyl Ketone	<0.025	ppm
Silver	<0.080	ppm	Tetrachloroethene	<0.0011	ppm
			Trichloroethene	<0.0020	ppm
			Vinyl Chloride	<0.0025	ppm

SEMI-VOLATILES: USEPA SW846 8270C/1311 PESTICIDES: USEPA SW846 8081/1311

o-Cresol	<0.017	ppm	Endrin
m-Cresol	<0.008	ppm	Lindane
p-Cresol	<0.008	ppm	Methoxychlor
1,4-Dichlorobenzene	<0.015	ppm	Toxaphene
2,4-Dinitrotoluene	<0.019	ppm	Chlordane
Hexachlorobenzene	<0.023	ppm	Heptachlor
Hexachlorobutadiene	<0.10	ppm	Heptachlor Epoxide
Hexachloroethane	<0.019	ppm	
Nitrobenzene	<0.017	ppm	HERBICIDES: USEPA SW846 8151/1311
Pentachlorophenol	<0.50	ppm	2,4-D
Pyridine	<0.0088	ppm	Silvex (2,4,5-TP)
2,4,5-Trichlorophenol	<0.017	ppm	
2,4,6-Trichlorophenol	<0.015	ppm	

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

NOTE: Vacant fields indicate test not requested.

Approved By: Ciullo
 Title: Supervisor

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

MAY 8 2000

ELAP# 10380

Lab Sequence Number: 99-12172-001
E2MIS Incident Number:
E2MIS Sample Number:

Date Reported: 12/08/99
Date Analyzed: 11/24/99
Date Received: 11/20/99
Date Sampled: 11/19/99

Submitter: STEPIEN.WALTER P.
Description: SOIL- GT-9 & GT-10
Facility: WHITE PLAINS S/S

TSL Analyst: R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: GT-9, 5-10, 4-5 FT
Location: WHITE PLAINS S/S

SAMPLE TYPE: SOLID

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic	<0.060	ppm
Barium	<1.00	ppm
Cadmium	<0.030	ppm
Chromium	<0.050	ppm
Lead	<0.020	ppm
Mercury	<.000050	ppm
Selenium	0.055	ppm
Silver	<0.080	ppm

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene	<0.0014	ppm
Carbon Tetrachloride	<0.0034	ppm
Chlorobenzene	<0.0021	ppm
Chloroform	<0.0026	ppm
1,2-Dichloroethane	<0.0019	ppm
1,1-Dichloroethene	<0.0048	ppm
Methyl Ethyl Ketone	<0.0082	ppm
Tetrachloroethene	<0.0028	ppm
Trichloroethene	<0.0027	ppm
Vinyl Chloride	<0.0041	ppm

SEMI-VOLATILES: USEPA SW846 8270C/1311

o-Cresol	<0.0017	ppm
m-Cresol	<0.0008	ppm
p-Cresol	<0.0008	ppm
1,4-Dichlorobenzene	<0.0015	ppm
2,4-Dinitrotoluene	<0.0019	ppm
Hexachlorobenzene	<0.0023	ppm
Hexachlorobutadiene	<0.0100	ppm
Hexachloroethane	<0.0019	ppm
Nitrobenzene	<0.0017	ppm
Pentachlorophenol	<0.050	ppm
Pyridine	<0.0009	ppm
2,4,5-Trichlorophenol	<0.0017	ppm
2,4,6-Trichlorophenol	<0.0015	ppm

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

NOTE Vacant fields indicate test not requested.

Approved By: VOLPE
Title: Supervisor

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

MAY 8 2000

ELAP# 10380

Lab Sequence Number: 99-12172-002
E2MIS Incident Number:
E2MIS Sample Number:

Date Reported: 12/08/99
Date Analyzed: 11/24/99
Date Received: 11/20/99
Date Sampled: 11/19/99

Submitter: STEPIEN.WALTER P.
Description: SOIL- GT-9 & GT-10
Facility: WHITE PLAINS S/S

TSL Analyst: R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: GT-10, 5-11,4-5 FT
Location: WHITE PLAINS S/S

SAMPLE TYPE: SOLID

METALS: USEPA SW846 6010/HG7471A/1311

ANALYTE	RESULTS	UNITS
Arsenic	0.073	ppm
Barium	<1.00	ppm
Cadmium	<0.030	ppm
Chromium	<0.050	ppm
Lead	<0.020	ppm
Mercury	<0.000050	ppm
Selenium	<0.050	ppm
Silver	<0.080	ppm

VOLATILES: USEPA SW846 8260/624/1311

ANALYTE	RESULTS	UNITS
Benzene	<0.0014	ppm
Carbon Tetrachloride	<0.0034	ppm
Chlorobenzene	<0.0021	ppm
Chloroform	<0.0026	ppm
1,2-Dichloroethane	<0.0019	ppm
1,1-Dichloroethene	<0.0048	ppm
Methyl Ethyl Ketone	<0.0082	ppm
Tetrachloroethene	<0.0028	ppm
Trichloroethene	<0.0027	ppm
Vinyl Chloride	<0.0041	ppm

SEMI-VOLATILES: USEPA SW846 8270C/1311

	RESULTS	UNITS
o-Cresol	<0.012	ppm
m-Cresol	<0.011	ppm
p-Cresol	<0.011	ppm
1,4-Dichlorobenzene	<0.012	ppm
2,4-Dinitrotoluene	<0.0100	ppm
Hexachlorobenzene	<0.0082	ppm
Hexachlorobutadiene	<0.016	ppm
Hexachloroethane	<0.018	ppm
Nitrobenzene	<0.012	ppm
Pentachlorophenol	<0.022	ppm
Pyridine	<0.011	ppm
2,4,5-Trichlorophenol	<0.0092	ppm
2,4,6-Trichlorophenol	<0.0085	ppm

PESTICIDES: USEPA SW846 8081/1311

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor Epoxide

HERBICIDES: USEPA SW846 8151/1311

2,4-D
Silvex (2,4,5-TP)

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

NOTE: Vacant fields indicate test not requested

Approved By: VOLPE
Title: Supervisor

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

JAN. 14 2000

ELAP# 10380

Lab Sequence Number: 99-12143-001
E2MIS Incident Number:
E2MIS Sample Number:

Date Reported: 12/01/99
Date Analyzed: 11/24/99
Date Received: 11/19/99
Date Sampled: 11/18/99

Submitter: STEPIEN.W
Description: SOIL-GT-8, S-9, 60-62 FT WHITE PLAINS SS
Facility:

TSL Analyst: SLOAN

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

*** TCLP Results Of Analysis ***

Description: SAMPLE TYPE: SOIL
Location: WHITE PLAINS SS GT-8, S-9, 60-62 FT

METALS: USEPA SW846 6010/HG7471A/1311			VOLATILES: USEPA SW846 8260/624/1311		
ANALYTE	RESULTS	UNITS	ANALYTE	RESULTS	UNITS
Arsenic	<0.060	ppm	Benzene	<0.0010	ppm
Barium	<1.00	ppm	Carbon Tetrachloride	<0.0018	ppm
Cadmium	<0.030	ppm	Chlorobenzene	<0.0011	ppm
Chromium	<0.050	ppm	Chloroform	<0.0015	ppm
Lead	<0.020	ppm	1,2-Dichloroethane	<0.0020	ppm
Mercury	<0.00050	ppm	1,1-Dichloroethene	<0.0018	ppm
Selenium	0.088	ppm	Methyl Ethyl Ketone	<0.025	ppm
Silver	<0.080	ppm	Tetrachloroethene	<0.0011	ppm
			Trichloroethene	<0.0020	ppm
			Vinyl Chloride	<0.0025	ppm

SEMI-VOLATILES: USEPA SW846 8270C/1311			PESTICIDES: USEPA SW846 8081/1311		
o-Cresol	<0.017	ppm	Endrin		
m-Cresol	<0.008	ppm	Lindane		
p-Cresol	<0.008	ppm	Methoxychlor		
1,4-Dichlorobenzene	<0.015	ppm	Toxaphene		
2,4-Dinitrotoluene	<0.019	ppm	Chlordane		
Hexachlorobenzene	<0.023	ppm	Heptachlor		
Hexachlorobutadiene	<0.10	ppm	Heptachlor Epoxide		
Hexachloroethane	<0.019	ppm			
Nitrobenzene	<0.017	ppm	HERBICIDES: USEPA SW846 8151/1311		
Pentachlorophenol	<0.50	ppm	2,4-D		
Pyridine	<0.0086	ppm	Silvex (2,4,5-TP)		
2,4,5-Trichlorophenol	<0.017	ppm			
2,4,6-Trichlorophenol	<0.015	ppm			

Analyzed by: Environmental Testing Laboratories, Inc ELAP# 10969

NOTE: Vacant fields indicate test not requested.

Approved By: Ciullo
Title: Supervisor

JAN. 14 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY.
CHEMLAB

ELAP# 10380

Lab Sequence Number: 99-12143-001
E2 Incident Number:
E2 Sample Number:Date Reported: 12/01/99
Date Received: 11/19/99
Date Sampled: 11/18/99Submitter: STEPIEN.W
Description: SOIL-GT-8,S-9,60-62 FT WHITE PLAINS SS
Facility:

TSL Analyst: SLOAN

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL.
THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

=====

Results Of Analysis - PCB by EPA 8082/608

=====

Location: WHITE PLAINS SS GT-8,S-9,60-62 FT
Equipment No:
Serial/ID No:
Vault No:
Feeder No:
Sample Type: SOIL

Analyte	Result	Units	MDL
-----	-----	-----	-----
AROCLOR 1016	<8.28	ppb	8.28
AROCLOR 1221	<5.20	ppb	5.20
AROCLOR 1232	<3.60	ppb	3.60
AROCLOR 1242	<7.80	ppb	7.80
AROCLOR 1248	<3.09	ppb	3.09
AROCLOR 1254	<5.12	ppb	5.12
AROCLOR 1260	<5.16	ppb	5.16

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: Ciullo
Title: Supervisor

JAN. 14 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLABLab Sequence Number: 99-12143-001
Customer Job Number:
E2 Incident Number:Date Reported: 12/01/99
Date Received: 11/19/99
Date Sampled: 11/18/99

Submitter: STEPIEN.W

Description: SOIL-GT-8, S-9, 60-62 FT WHITE PLAINS SS

Facility:

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
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PARAMETER	MDL	RESULT	REPORT	UNITS
Cyanide	0.0060	0.0060	<0.0060	

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: Ciullo
Title: Supervisor

May. 08 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTHY & SAFETY
CHEMLAB

Lab Sequence Number: 99-12142-001

Date Reported: 12/01/99

Date Received: 11/19/99

Date Sampled: 11/18/99

Time Sampled: 0931

Submitter: STEPIEN.W

Description SOIL-GT-7,S-8, 4-5 FT WHITE PLAINS SS

Facility:

Analyzed By: SA Laboratory

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE APPROVAL OF TSL.
TEST RESULTS RELATE ONLY TO THE SAMPLES SUBMITTED TO TSL.

Location: WHITE PLAINS SS GT-7,S-8,4-5FT

Test	Result	Units	MDL
Aroclor-1016	<7.24	ppb	7.24
Aroclor-1221	<4.55	ppb	4.55
Aroclor-1232	<3.15	ppb	3.15
Aroclor-1242	<6.82	ppb	6.82
Aroclor-1242	0		
Aroclor-1248	<2.71	ppb	2.71
Aroclor-1254	<4.48	ppb	4.48
Aroclor-1254	0		
Aroclor-1260	0		
PCB Reporting Value	<1.00		
Aroclor-1260	<4.51	ppb	4.51
Aroclor to Report	None		

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 1096

Approved By: VOLPE

Skorobogatov, Yelena

From: CHEMLIMS@tao.coned.com
Sent: Wednesday, December 01, 1999 11:35 AM
To: Stepien, Walter
Subject: By W.STEPIEN 99-12136

DEC. 1 1999

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY ELAP# 10380
CHEMLAB

Lab Sequence Number: 99-12136-001 Date Reported: 12/01/99
E2 Incident Number: Date Received: 11/18/99
E2 Sample Number: Date Sampled: 11/18/99

Submitter: W.STEPIEN
Description: SOIL-GT-8,S-7,4-5 FT,WHITE PLAINS S/S:WE
Facility: 4 IRVING PL

TSL Analyst:

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

=====

Results Of Analysis - PCB by EPA 8082/608

=====

Location: WHITE PLAINS S/S
Serial/ID No: Vault No: Feeder No:
Sample Type: SOIL

Analyte	Result	Units	MDL
AROCLOR 1016	<7.04	ppb	7.04
AROCLOR 1221	<4.42	ppb	4.42
AROCLOR 1232	<3.06	ppb	3.06
AROCLOR 1242	<6.63	ppb	6.63
AROCLOR 1248	<2.63	ppb	2.63
AROCLOR 1254	<4.35	ppb	4.35
AROCLOR 1260	<4.39	ppb	4.39

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: Ciullo
Title: Supervisor

Skorobogatov, Yelena

From: CHEMLIMS@tao.coned.com
Sent: Wednesday, December 08, 1999 1:35 PM
To: Stepien, Walter; LIMS_WEST@tao.coned.com
Subject: By STEPIEN.WALTER P. 99-12172

DEC. 8 1999

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY ELAP# 10380
CHEMLAB

Lab Sequence Number: 99-12172-001 Date Reported: 12/08/99
E2 Incident Number: Date Received: 11/20/99
E2 Sample Number: Date Sampled: 11/19/99

Submitter: STEPIEN.WALTER P.
Description: SOIL- GT-9 & GT-10
Facility: WHITE PLAINS S/S

TSL Analyst: R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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=====

Results Of Analysis - PCB by EPA 8082/608

Location: WHITE PLAINS S/S
Serial/ID No: GT-9,S-10,4-5 Vault No: N/A Feeder No: N/A
Sample Type: SOLID

Analyte	Result	Units	MDL
AROCLOR 1016	<1.29	ppb	1.29
AROCLOR 1221	<5.47	ppb	5.47
AROCLOR 1232	<2.90	ppb	2.90
AROCLOR 1242	<1.21	ppb	1.21
AROCLOR 1248	<2.75	ppb	2.75
AROCLOR 1254	<0.64	ppb	0.64
AROCLOR 1260	<1.82	ppb	1.82

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: VOLPE
Title: Supervisor

DEC. 8 1999

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY ELAP# 10380
CHEMLAB

Lab Sequence Number: 99-12172-002 Date Reported: 12/08/99
E2 Incident Number: Date Received: 11/20/99
E2 Sample Number: Date Sampled: 11/19/99

Submitter: STEPIEN, WALTER P.
Description: SOIL- GT-9 & GT-10
Facility: WHITE PLAINS S/S

TSL Analyst: R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL.
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=====

Results Of Analysis - PCB by EPA 8082/808

=====

Location: WHITE PLAINS S/S
Serial/ID No: GT-10,S-11,4- Vault No: N/A Feeder No: N/A
Sample Type: SOLID

Analyte	Result	Units	MDL
AROCLOR 1016	<1.29	ppb	1.29
AROCLOR 1221	<5.47	ppb	5.47
AROCLOR 1232	<2.90	ppb	2.90
AROCLOR 1242	<1.21	ppb	1.21
AROCLOR 1248	<2.75	ppb	2.75
AROCLOR 1254	<0.64	ppb	0.64
AROCLOR 1260	<1.82	ppb	1.82

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: VOLPE
Title: Supervisor

MAY 8 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

ELAP# 10380

Lab Sequence Number: 99-11911

Date Reported: 11/17/99

E2 Incident Number:

Date Received: 11/11/99

Date Sampled: 11/11/99

Submitter: . KOVARI

Description: SOIL-GT-2,GT-3,WHITE PLAINS S/S:WE

Facility: 310 KINGSBIDGE

E2 Site:

TSL Analyst: BLACKWELL

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL. TEST RESULTS RELATE ONLY TO THE SAMPLE AS SUBMITTED TO TSL.

*** PCB Results Of Analysis ***

SAMPLE#

E2MIS #	DESCRIPTION	AROCLOR	RESULTS	UNITS
---------	-------------	---------	---------	-------

-001	SAMPLE TYPE: SOIL EQUIPMENT : GT-2,S-2, 4-5 FT LOCATION : WHITE PLAINS S/S VAULT: N/A FDR: N/A CINDE ID# : QAQC ID : 02-199911150424	None	<1.00	PPM
------	---	------	-------	-----

PHASE: N/A

-002	SAMPLE TYPE: SOIL EQUIPMENT : GT-3,S-3, 4-5 FT LOCATION : WHITE PLAINS S/S VAULT: N/A FDR: N/A CINDE ID# : QAQC ID : 02-199911150424	None	<1.00	PPM
------	---	------	-------	-----

PHASE:

TEST MDL:	1016	1221	1232	1242	1248	1254	1260	1262
OIL MATRIX:	1MG/L	2MG/L	2MG/L	.5MG/L	2MG/L	1MG/L	1MG/L	1MG/L
SOIL MATRIX:				2MG/KG		1MG/KG	2MG/KG	
WIPE MATRIX:				1UG/100CM2		1UG/100CM2	1UG/100CM2	

PPB = UG/L; PPM = MG/L, MG/KG;

MDL = METHOD DETECTION LIMIT

Analysis performed according to the following methods:

PCB in Solid Waste - SW 846 - Method 3540B, 3550A, 8082

PCB in Transformer fluids & Waste Oils - EPA 600/ 4-81-045

PCB in Waste Water - EPA 608

Approved By: S.PETERS

Title: Supervisor

E2 Sample Number: Date Sampled: 11/16/99

Submitter: Christine Kovari
Description: SOIL-GT-4,-5,-6;WHITE PLAINS S/S;WESTCHESTER
Facility: 310 EAST KINGSBRIDGE RD, BX

TSL Analyst:

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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=====

Results Of Analysis - PCB by EPA 8082/608

=====

Location: WHITE PLAINS S/S
Serial/ID No: GT-4,S-5,4-5' Vault No: N/A Feeder No: N/A
Sample Type: SOIL

Analyte	Result	Units	MDL
AROCLOR 1016	<7.45	ppb	7.45
AROCLOR 1221	<4.68	ppb	4.68
AROCLOR 1232	<3.24	ppb	3.24
AROCLOR 1242	<7.02	ppb	7.02
AROCLOR 1248	<2.78	ppb	2.78
AROCLOR 1254	<4.61	ppb	4.61
AROCLOR 1280	<4.64	ppb	4.64

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: VOLPE
Title: Supervisor

DEC. 8 1999

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY ELAP# 10380
CHEMLAB

Lab Sequence Number: 99-12066-006 Date Reported: 12/08/99
E2 Incident Number: Date Received: 11/17/99
E2 Sample Number: Date Sampled: 11/16/99

Submitter: Christine Kovari
Description: SOIL-GT-4,-5,-6;WHITE PLAINS S/S;WESTCHESTER
Facility: 310 EAST KINGSBRIDGE RD, BX

DEC. 8 1999

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

ELAP# 10380

Lab Sequence Number: 99-12066-003 Date Reported: 12/08/99
E2 Incident Number: Date Received: 11/17/99
E2 Sample Number: Date Sampled: 11/16/99

Submitter: Christine Kovari
Description: SOIL-GT-4,-5,-6,WHITE PLAINS S/S:WESTCHESTER
Facility: 310 EAST KINGSBRIDGE RD, BX

TSL Analyst:

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=====

Results Of Analysis - PCB by EPA 8082/808

=====

Location: WHITE PLAINS S/S
Serial/ID No: GT-5,S-5,1-5' Vault No: N/A Feeder No: N/A
Sample Type: SOIL

Analyte	Result	Units	MDL
AROCLOR 1016	<7.24	ppb	7.24
AROCLOR 1221	<4.55	ppb	4.55
AROCLOR 1232	<3.15	ppb	3.15
AROCLOR 1242	<6.82	ppb	6.82
AROCLOR 1248	<2.71	ppb	2.71
AROCLOR 1254	<4.48	ppb	4.48
AROCLOR 1260	<4.51	ppb	4.51

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: VOLPE
Title: Supervisor

DEC. 8 1999

CONSOLIDATED EDISON

Skorobogatov, Yelena

From: CHEMLIMS@tao.coned.com
Sent: Wednesday, December 08, 1999 3:15 PM
To: SKOROBOGATOVY@CONED.COM; STEPIENW@CONED.COM;
KOVARIC@CONED.COM; LIMS_WEST@tao.coned.com
Subject: By Christine Kovari 99-12066

DEC. 8 1999

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY ELAP# 10380
CHEMLAB

Lab Sequence Number: 99-12066-001 Date Reported: 12/08/99
E2 Incident Number: Date Received: 11/17/99
E2 Sample Number: Date Sampled: 11/16/99

Submitter: Christine Kovari
Description: SOIL-GT-4,-5,-6;WHITE PLAINS S/S;WESTCHESTER
Facility: 310 EAST KINGSBRIDGE RD, BX

TSL Analyst:

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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THIS REPORT RELATES ONLY TO THE ITEMS TESTED.

=====

Results Of Analysis - PCB by EPA 8082/808

=====

Location: WHITE PLAINS S/S
SerialID No: GT-6,S-4,4-5' Vault No: N/A Feeder No: N/A
Sample Type: SOIL

Analyte	Result	Units	MDL
AROCLOR 1016	<7.45	ppb	7.45
AROCLOR 1221	<4.68	ppb	4.68
AROCLOR 1232	<3.24	ppb	3.24
AROCLOR 1242	<7.02	ppb	7.02
AROCLOR 1248	<2.78	ppb	2.78
AROCLOR 1254	<4.61	ppb	4.61
AROCLOR 1260	<4.64	ppb	4.64

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: VOLPE
Title: Supervisor

MAY 8 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY
CHEMLAB

ELAP# 10380

Lab Sequence Number 99-11916
E2 Incident Number:Date Reported: 11/25/99
Date Received: 11/11/99
Date Sampled: 11/11/99Submitter: C.KOVARI
Description: SOIL-GT-2,GT-3,WHITE PLAINS S/S:WE
Facility: 310 E KINGSBRIDGE

TSL Analyst: SLOAN

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TEST RESULTS RELATE ONLY TO THE SAMPLE AS SUBMITTED TO TSL.

=====

Results Of Analysis - Total Recoverable Petroleum Hydrocarbons by EPA 418.1

=====

SAMPLE# E2MIS SAMPLE# TRPH UNITS

-001 1220 PPM

EQUIPMENT : GT-2,S-2,4-5 FT

LOCATION : WHITE PLAINS S/S

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

-002 402 PPM

EQUIPMENT : GT-3,S-3,4-5 FT

LOCATION : WHITE PLAINS S/S

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: ED CHIN
Title: Supervisor

Skorobogatov, Yelena

From: CHEMLIMS@tao.coned.com
Sent: Wednesday, December 08, 1999 3:45 PM
To: SKOROBOGATOVY@CONED.COM; STEPIENW@CONED.COM;
KOVARIC@CONED.COM; LIMS_WEST@tao.coned.com
Subject: By Christine Kovari 99-12068

DEC. 8 1999

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY ELAP# 10380
CHEMLAB

Lab Sequence Number: 99-12068 Date Reported: 12/08/99
E2 Incident Number: Date Received: 11/17/99
Date Sampled: 11/16/99

Submitter: Christine Kovari
Description: SOIL-GT-4,-5,-6:WHITE PLAINS S/S WESTCHESTER
Facility: 310 EAST KINGSBRIDGE RD, BX

TSL Analyst:

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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TEST RESULTS RELATE ONLY TO THE SAMPLE AS SUBMITTED TO TSL.

=====

Results Of Analysis - Total Recoverable Petroleum Hydrocarbons by EPA 418.1

=====

SAMPLE#	E2MIS	SAMPLE#	TRPH	UNITS
---------	-------	---------	------	-------

-001
EQUIPMENT : GT-6 S-4 4-5R
LOCATION : WHITE PLAINS S/S
Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

-002 2690 ppm
EQUIPMENT : GT-6 S-4 4-5R
LOCATION : WHITE PLAINS S/S
Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

-003
EQUIPMENT : GT-5 S-6 1-5R
LOCATION : WHITE PLAINS S/S
Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

-004 5200 ppm
EQUIPMENT : GT-5 S-6 1-5R
LOCATION : WHITE PLAINS S/S
Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

-005
EQUIPMENT : GT-4 S-5 4-5R
LOCATION : WHITE PLAINS S/S
Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

-006 29.7 ppm
EQUIPMENT : GT-4 S-5 4-5R
LOCATION : WHITE PLAINS S/S
Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: VOLPE
Title: Supervisor

May. 08 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTHY & SAFETY
CHEMLAB

Lab Sequence Number: 99-12142-003

Date Reported: 12/01/99

Date Received: 11/19/99

Date Sampled: 11/18/99

Time Sampled: 0931

Submitter: STEPIEN.W

Description: SOIL-GT-7,S-8, 4-5 FT WHITE PLAINS SS

Facility:

Analyzed By:

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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TEST RESULTS RELATE ONLY TO THE SAMPLES SUBMITTED TO TSL.

Location: WHITE PLAINS SS GT-7,S-8,4-5FT

Test	Result	Units	MDL
Total Pet Hydro Result	451	ppm	

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 1096

Approved By: VOLPE

May. 08 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTHY & SAFETY
CHEMLAB

Lab Sequence Number: 99-12136-003

Date Reported: 12/01/99

Date Received: 11/18/99

Date Sampled: 11/18/99

Time Sampled: 0700

Submitter: W.STEPIEN

Description: SOIL-GT-8,8-7,4-5 FT,WHITE PLAINS S/S:WE

Facility: 4 IRVING PL

Analyzed By:

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
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NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE APPROVAL OF TSL.
TEST RESULTS RELATE ONLY TO THE SAMPLES SUBMITTED TO TSL.

Location: WHITE PLAINS S/S

Equipment: GT-8,8-7,4-5 FT

Test	Result	Units	MDL
Total Pet Hydro Result	18.9	ppm	

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 1096

Approved By: Ciullo

Skorobogatov, Yelena

From: CHEMLIMS@tao.coned.com
Sent: Wednesday, December 08, 1999 1:35 PM
To: Stepien, Walter; LIMS WEST@tao.coned.com
Subject: By STEPIEN.WALTER P. 99-12172

DEC. 8 1999

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY ELAP# 10380
CHEMLAB

Lab Sequence Number: 99-12172 Date Reported: 12/08/99
E2 Incident Number: Date Received: 11/20/99

Date Sampled: 11/19/99

Submitter: STEPIEN.WALTER P.
Description: SOIL- GT-9 & GT-10
Facility: WHITE PLAINS S/S

TSL Analyst: R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL.
TEST RESULTS RELATE ONLY TO THE SAMPLE AS SUBMITTED TO TSL.

=====

Results Of Analysis - Total Recoverable Petroleum Hydrocarbons by EPA 418.1

=====

SAMPLE# E2MIS SAMPLE# TRPH UNITS

-001 43.9 ppm

EQUIPMENT : GT-9, 5-10, 4-5 FT

LOCATION : WHITE PLAINS S/S

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

-002 18.2 ppm

EQUIPMENT : GT-10, 5-11, 4-5 FT

LOCATION : WHITE PLAINS S/S

Analyzed by: Environmental Testing Laboratories, Inc. ELAP# 10969

Approved By: VOLPE
Title: Supervisor

end\$ /usr/labux/email/99-12172.003



49 Clarendon Street
Watertown, MA 02472
TEL: (617) 923-4662
FAX: (617) 923-4610

May 12, 2000

Mr. Imants Reks
Parsons Engineering Science, Inc.
290 Elwood Davis Road
Liverpool, New York 13088

RE: *Results of Analysis of Samples from the White Plains Site*

Dear Imants:

META Environmental, Inc. (META) has completed the analysis of one soil sample (TB-2, 17.5') from the White Plains site for TCLP VOCs, SVOCs, and metals, and total PCBs. The results are attached to this cover letter. All quality assurance parameters were within acceptable limits. There was a substantial interference in the PCB chromatograms that we attempted to remove with cleanup methods, but we were not entirely successful. Regardless, based on the results, I am confident that PCBs were not present in the sample above the quantitation limits.

If you have any questions, or would like META to do additional analyses, please do not hesitate to call me.

Sincerely,

A handwritten signature in cursive script, reading "David M. Mauro".

David M. Mauro
V. President

Attachments

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID: Aqueous Blank

Preparation Method: Solvent Ext. (EPA3511 Draft)

Cleanup Method(s):

Client: Parsons
Project: White Plains Substation

Analysis Method: GC/MS (EPA 8260/8270 Mod.)

Matrix: Water

Preservation: 3.9°C

Lab ID: PW000427-AB

Decanted: No

File ID: 27APR03.D

Sample Size: 35 g

%Solid: 100%

Extract Volume: 2 mL

Date Sampled: 04/06/2000

Date Received: 04/13/2000

Prep DF: 1

Date Prepared: 04/26/2000

Analysis DF: 1

Date Cleanup: None

Injection Volume: 0.001 mL

Date Analyzed: 04/27/2000

Batch QC: PW000427-AB

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	Comments
cis-1,2-Dichloroethene		U	5.58	2.79	
2,2-Dichloropropane		U	5.58	2.79	
Chloroform		U	5.58	2.79	
1,1,1-Trichloroethane		U	5.58	2.79	
1,2-Dichloroethane		U	5.58	2.79	
1,1-Dichloropropene		U	5.58	2.79	
Benzene		U	22.3	11.2	
Carbon Tetrachloride		U	11.2	5.58	
1,2-Dichloropropane		U	11.2	5.58	
Trichloroethene		U	11.2	5.58	
Dibromomethane		U	11.2	5.58	
Bromodichloromethane		U	11.2	5.58	
cis-1,3-Dichloropropene		U	22.3	11.2	
N-nitrosodimethylamine		U	179	89.3	
Toluene		U	22.3	11.2	
trans-1,3-Dichloropropene		U	22.3	11.2	
1,1,2-Trichloroethane		U	2.79	1.39	
1,3-Dichloropropane		U	11.2	5.58	
Dibromochloromethane		U	11.2	5.58	
1,2-Dibromoethane		U	11.2	5.58	
Tetrachloroethene		U	11.2	5.58	
N-nitrosomethylethylamine		U	44.6	22.3	
Chlorobenzene		U	11.2	5.58	
1,1,1,2-Tetrachloroethane		U	11.2	5.58	
Ethylbenzene		U	5.58	2.79	
m,p-Xylenes		U	5.58	2.79	
Bromoform		U	11.2	5.58	
Styrene		U	5.58	2.79	
o-Xylene		U	5.58	2.79	
N-nitrosodiethylamine		U	44.6	22.3	
1,1,2,2-Tetrachloroethane		U	11.2	5.58	
1,2,3-Trichloropropane		U	11.2	5.58	
Isopropylbenzene		U	22.3	11.2	
Bromobenzene		U	2.79	1.39	
2-Chlorotoluene		U	5.58	2.79	
Propylbenzene		U	11.2	5.58	
4-Chlorotoluene		U	5.58	2.79	
1,3,5-Trimethylbenzene		U	5.58	2.79	
Pentachloroethane		U	5.58	2.79	
Phenol		U	89.3	44.6	
bis(2-Chloroethyl)ether		U	5.58	2.79	
Aniline		U	5.58	2.79	
2-Chlorophenol		U	5.58	2.79	
tert-Butylbenzene		U	11.2	5.58	
1,2,4-Trimethylbenzene		U	11.2	5.58	
1,3-Dichlorobenzene		U	5.58	2.79	
sec-Butylbenzene		U	5.58	2.79	
1,4-Dichlorobenzene		U	5.58	2.79	
p-Isopropyltoluene		U	5.58	2.79	
Benzyl Alcohol		U	44.6	22.3	
2-Methylphenol (m-cresol)		U	44.6	22.3	

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID: Aqueous Blank

Client: Parsons
Project: White Plains Substation

Lab ID: PW000427-AB
File ID: 27APR03.D

Date Sampled: 04/06/2000
Date Received: 04/13/2000
Date Prepared: 04/26/2000
Date Cleanup: None
Date Analyzed: 04/27/2000

Preparation Method: Solvent Ext. (EPA3511 Draft)

Cleanup Method(s):

Analysis Method: GC/MS (EPA 8260/8270 Mod.)
Matrix: Water
Preservation: 3.9°C
Decanted: No
Sample Size: 35 g
%Solid: 100%
Extract Volume: 2 mL
Prep DF: 1
Analysis DF: 1
Injection Volume: 0.001 mL
Batch QC: PW000427-AB

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	Comments
1,2-Dichlorobenzene		U	5.58	2.79	
4-Methylphenol (p-cresol)		U	5.58	2.79	
bis(2-chloroisopropyl)ether		U	5.58	2.79	
n-Butylbenzene		U	5.58	2.79	
3-Methylphenol (o-cresol)		U	11.2	5.58	
N-nitrosopyrrolidine		U	44.6	22.3	
N-nitroso-di-n-propylamine		U	22.3	11.2	
N-nitrosomorpholine		U	22.3	11.2	
Hexachloroethane		U	5.58	2.79	
1,2-Dibromo-3-Chloropropane		U	5.58	2.79	
N-nitrosopiperidine		U	11.2	5.58	
2-Nitrophenol		U	44.6	22.3	
2,4-Dimethylphenol		U	5.58	2.79	
bis(2-Chloroethoxy)methane		U	11.2	5.58	
2,6-Dichlorophenol		U	22.3	11.2	
1,2,4-Trichlorobenzene		U	2.79	1.39	
Naphthalene		U	44.6	22.3	
4-Chloroaniline		U	22.3	11.2	
2,4-Dichlorophenol		U	44.6	22.3	
Hexachloropropene		U	22.3	11.2	
Hexachlorobutadiene		U	5.58	2.79	
1,2,3-Trichlorobenzene		U	2.79	1.39	
N-nitrosodi-n-butylamine		U	44.6	22.3	
4-Chloro-3-methylphenol		U	5.58	2.79	
2-Methylnaphthalene		U	5.58	2.79	
1,2,4,5-Tetrachlorobenzene		U	11.2	5.58	
Hexachlorocyclopentadiene		U	44.6	22.3	
2,4,6-Trichlorophenol		U	22.3	11.2	
2,4,5-Trichlorophenol		U	22.3	11.2	
2-Chloronaphthalene		U	2.79	1.39	
2-Nitroaniline		U	44.6	22.3	
Dimethylphthalate		U	2.79	1.39	
Acenaphthylene		U	2.79	1.39	
3-Nitroaniline		U	89.3	44.6	
Acenaphthene		U	5.58	2.79	
4-Nitrophenol		U	179	89.3	
Dibenzofuran		U	5.58	2.79	
Pentachlorobenzene		U	5.58	2.79	
2,3,4,6-Tetrachlorophenol		U	44.6	22.3	
Diethylphthalate		U	11.2	5.58	
4-Chlorophenyl-phenylether		U	44.6	22.3	
Fluorene		U	2.79	1.39	
4-Nitroaniline		U	179	89.3	
4,6-Dinitro-2-methylphenol		U	357	179	
n-Nitrosodiphenylamine		U	5.58	2.79	
4-Bromophenyl-phenylether		U	5.58	2.79	
Hexachlorobenzene		U	22.3	11.2	
Pentachlorophenol		U	357	179	
Phenanthrene		U	2.79	1.39	
Dinoseb (DNBP)		U	357	179	
Anthracene		U	2.79	1.39	

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID:	Aqueous Blank	Preparation Method:	Solvent Ext. (EPA3511 Draft)
Client:	Persons	Cleanup Method(s):	
Project:	White Plains Substation	Analysis Method:	GC/MS (EPA 8260/8270 Mod.)
Lab ID:	PW000427-AB	Matrix:	Water
File ID:	27APR03.D	Preservation:	3.9°C
Date Sampled:	04/06/2000	Decanted:	No
Date Received:	04/13/2000	Sample Size:	35 g
Date Prepared:	04/26/2000	%Solid:	100%
Date Cleanup:	None	Extract Volume:	2 mL
Date Analyzed:	04/27/2000	Prep DF:	1
		Analysis DF:	1
		Injection Volume:	0.001 mL
		Batch QC:	PW000427-AB

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	Comments
Di-n-butylphthalate		U	179	69.3	
Fluoranthene		U	2.79	1.39	
Pyrene		U	2.79	1.39	
Butylbenzylphthalate		U	2.79	1.39	
Benz[a]anthracene		U	11.2	5.58	
Chrysene		U	2.79	1.39	
bis(2-Ethylhexyl)phthalate		U	22.3	11.2	
Di-n-octylphthalate		U	2.79	1.39	
Benzo[b]fluoranthene		U	2.79	1.39	
Benzo[k]fluoranthene		U	2.79	1.39	
Benzo[a]pyrene		U	2.79	1.39	
Indeno[1,2,3-cd]pyrene		U	5.58	2.79	
Dibenz[a,h]anthracene		U	11.2	5.58	
Benzo[g,h,i]perylene		U	5.58	2.79	
Surrogates	%R		Min	Max	
0			50%	150%	
2-Fluorobiphenyl	101%		30%	115%	

Qualifiers:

B Analyte detected in the blank
J Undetected above the detection limit
U Estimated value detected between the reporting and detection limits
RL Reporting limit is the sample equivalent of the lowest linear calibration concentration
EDL Estimated detection limit is 50% of the RL

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID: Blank Spike

Preparation Method:

Solvent Ext. (EPA3511 Draft)

Cleanup Method(s):

Client: Parsons
Project: White Plains Substation

Analysis Method: GC/MS (EPA 8260/8270 Mod.)

Lab ID: PW000427-ABS
File ID: 27APR04.D

Matrix: Water
Preservation: 3 °C
Decanted: No
Sample Size: 35 g
%Solid: 100%
Extract Volume: 2 mL
Prep DF: 1
Analysis DF: 1
Injection Volume: 0.001 mL
Batch QC: PW000427-AB

Date Sampled: 04/06/2000
Date Received: 04/13/2000
Date Prepared: 04/26/2000
Date Cleanup: None
Date Analyzed: 04/27/2000

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	%REC
cis-1,2-Dichloroethane	180		5.58	2.79	90%
2,2-Dichloropropane	177		5.58	2.79	89%
Chloroform	167		5.58	2.79	84%
1,1,1-Trichloroethane	182		5.58	2.79	91%
1,2-Dichloroethane	192		5.58	2.79	96%
1,1-Dichloropropene	185		5.58	2.79	93%
Benzene	206		22.3	11.2	89%
Carbon Tetrachloride	185		11.2	5.58	93%
1,2-Dichloropropane	185		11.2	5.58	93%
Trichloroethane	180		11.2	5.58	90%
Dibromomethane	180		11.2	5.58	90%
Bromodichloromethane	179		11.2	5.58	90%
cis-1,3-Dichloropropene	178		22.3	11.2	89%
N-nitrosodimethylamine		U	179	89.3	
Toluene	277		22.3	11.2	87%
trans-1,3-Dichloropropene	172		22.3	11.2	86%
1,1,2-Trichloroethane	164		2.79	1.39	82%
1,3-Dichloropropane	179		11.2	5.58	90%
Dibromochloromethane	174		11.2	5.58	87%
1,2-Dibromoethane	177		11.2	5.58	89%
Tetrachloroethane	161		11.2	5.58	81%
N-nitrosomethylethylamine	119		44.6	22.3	60%
Chlorobenzene	176		11.2	5.58	88%
1,1,1,2-Tetrachloroethane	174		11.2	5.58	87%
Ethylbenzene	289		5.58	2.79	90%
m/p-Xylenes	328		5.58	2.79	103%
Bromoform	189		11.2	5.58	95%
Styrene	292		5.58	2.79	91%
o-Xylene	322		5.58	2.79	101%
N-nitrosodiethylamine	163		44.6	22.3	82%
1,1,2,2-Tetrachloroethane	189		11.2	5.58	95%
1,2,3-Trichloropropane	183		11.2	5.58	92%
Isopropylbenzene	315		22.3	11.2	98%
Bromobenzene	194		2.79	1.39	97%
2-Chlorotoluene	194		5.58	2.79	97%
Propylbenzene	324		11.2	5.58	182%
4-Chlorotoluene	190		5.58	2.79	95%
1,3,5-Trimethylbenzene	319		5.58	2.79	100%
Pentachloroethane	185		5.58	2.79	93%
Phenol	108		89.3	44.6	54%
bis(2-Chloroethyl)ether	159		5.58	2.79	80%
Aniline	131		5.58	2.79	66%
2-Chlorophenol	200		5.58	2.79	100%
tert-Butylbenzene	326		11.2	5.58	102%
1,2,4-Trimethylbenzene	316		11.2	5.58	99%
1,3-Dichlorobenzene	387		5.58	2.79	97%
sec-Butylbenzene	322		5.58	2.79	101%
1,4-Dichlorobenzene	380		5.58	2.79	95%
p-Isopropyltoluene	326		5.58	2.79	102%
Benzyl Alcohol	117		44.6	22.3	59%
2-Methylphenol (m-cresol)	114		44.6	22.3	57%

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID:	Blank Spike	Preparation Method:	Solvent Ext. (EPA3611 Draft)
		Cleanup Method(s):	
Client:	Parsons	Analysis Method:	GC/MS (EPA 8260/8270 Mod.)
Project:	White Plains Substation	Matrix:	Water
		Preservation:	3.9°C
Lab ID:	PW000427-ABS	Decanted:	No
File ID:	27APR04.D	Sample Size:	35 g
		%Solid:	100%
Date Sampled:	04/06/2000	Extract Volume:	2 mL
Date Received:	04/13/2000	Prep DF:	
Date Prepared:	04/26/2000	Analysis DF:	1
Date Cleanup:	None	Injection Volume:	0.001 mL
Date Analyzed:	04/27/2000	Batch QC:	PW000427-AB

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	%REC
1,2-Dichlorobenzene	384		5.58	2.79	98%
4-Methylphenol (p-cresol)	187		5.58	2.79	94%
bis(2-chloroisopropyl)ether	200		5.58	2.79	100%
n-Butylbenzene	323		5.58	2.79	101%
3-Methylphenol (o-cresol)	172		11.2	5.58	88%
N-nitrosopyrrolidine	124		44.6	22.3	62%
N-nitroso-di-n-propylamine	193		22.3	11.2	97%
N-nitrosomorpholine	124		22.3	11.2	62%
Hexachloroethane	191		5.58	2.79	96%
1,2-Dibromo-3-Chloropropane	178		5.58	2.79	89%
N-nitrosopiperidine	174		11.2	5.58	87%
2-Nitrophenol	135		44.6	22.3	68%
2,4-Dimethylphenol	183		5.58	2.79	92%
bis(2-Chloroethoxy)methane	181		11.2	5.58	91%
2,6-Dichlorophenol	161		22.3	11.2	81%
1,2,4-Trichlorobenzene	168		2.79	1.39	94%
Naphthalene	316		44.6	22.3	99%
4-Chloroaniline	160		22.3	11.2	80%
2,4-Dichlorophenol	152		44.6	22.3	78%
Hexachloropropene	172		22.3	11.2	86%
Hexachlorobutadiene	195		5.58	2.79	98%
1,2,3-Trichlorobenzene	190		2.79	1.39	96%
N-nitrosodi-n-butylamine	174		44.6	22.3	87%
4-Chloro-3-methylphenol	175		5.58	2.79	88%
2-Methylnaphthalene	298		5.58	2.79	93%
1,2,4,5-Tetrachlorobenzene	180		11.2	5.58	90%
Hexachlorocyclopentadiene	145		44.6	22.3	73%
2,4,6-Trichlorophenol	138		22.3	11.2	69%
2,4,5-Trichlorophenol	146		22.3	11.2	73%
2-Chloronaphthalene	190		2.79	1.39	95%
2-Nitroaniline	130		44.6	22.3	65%
Dimethylphthalate	173		2.79	1.39	87%
Acenaphthylene	103		2.79	1.39	86%
3-Nitroaniline	82.0	J	89.3	44.6	41%
Acenaphthene	106		5.58	2.79	90%
4-Nitrophenol		U	179	89.3	
Dibenzofuran	276		5.58	2.79	86%
Pentachlorobenzene	177		5.58	2.79	89%
2,3,4,6-Tetrachlorophenol	103		44.6	22.3	52%
Diethylphthalate	156		11.2	5.58	78%
4-Chlorophenyl-phenylether	174		44.6	22.3	87%
Fluorene	107		2.79	1.39	89%
4-Nitroaniline		U	179	89.3	
4,6-Dinitro-2-methylphenol		U	357	179	
n-Nitrosodiphenylamine	185		5.58	2.79	93%
4-Bromophenyl-phenylether	189		5.58	2.79	85%
Hexachlorobenzene	189		22.3	11.2	95%
Pentachlorophenol		U	357	179	
Phenanthrene	103		2.79	1.39	88%
Dinoseb (DNBP)		U	357	179	
Anthracene	111		2.79	1.39	83%

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID: Blank Spike

Preparation Method:

Solvent Ext. (EPA3511 Draft)

Cleanup Method(s):

Client: Parsons
Project: White Plains Substation

Analysis Method:

GC/MS (EPA 8260/8270 Mod.)

Lab ID: PW000427-ABS
File ID: 27APR04.D

Matrix:

Water

Preservation:

3.9°C

Decanted:

No

Sample Size:

35 g

%Solid:

100%

Extract Volume:

2 mL

Prep DF:

1

Analysis DF:

1

Injection Volume:

0.001 mL

Batch QC:

PW000427-AB

Date Sampled: 04/06/2000
Date Received: 04/13/2000
Date Prepared: 04/26/2000
Date Cleanup: None
Date Analyzed: 04/27/2000

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	%REC
Di-n-butylphthalate	136	J	179	89.3	68%
Fluoranthene	102		2.79	1.39	85%
Pyrene	99.6		2.79	1.39	83%
Butylbenzylphthalate	144		2.79	1.39	72%
Benzo[a]anthracene	74.6		11.2	5.58	62%
Chrysene	96.9		2.79	1.39	81%
bis(2-Ethylhexyl)phthalate	117		22.3	11.2	59%
Di-n-octylphthalate	130		2.79	1.39	65%
Benzo[b]fluoranthene	105		2.79	1.39	88%
Benzo[k]fluoranthene	134		2.79	1.39	112%
Benzo[a]pyrene	90.4		2.79	1.39	75%
Indeno[1,2,3-cd]pyrene	56.8		5.58	2.79	47%
Dibenz[a,h]anthracene	44.6		11.2	5.58	37%
Benzo[g,h,i]perylene	70.3		5.58	2.79	59%
Surrogates	%R		Min	Max	
0			50%	150%	
2-Fluorobiphenyl	109%		30%	115%	

Qualifiers:

B Analyte detected in the blank
J Undetected above the detection limit
U Estimated value detected between the reporting and detection limits
RL Reporting limit is the sample equivalent of the lowest linear calibration concentration
EDL Estimated detection limit is 50% of the RL

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID: TB-2, 17.5'

Preparation Method:

Solvent Ext. (EPA3511 Draft)

Cleanup Method(s):

Client: Parsons
Project: White Plains Substation

Lab ID: PW000921-03Z
File ID: 27APR06.D

Date Sampled: 4/6/2000
Date Received: 4/13/2000
Date Prepared: 4/26/2000
Date Cleanup: None
Date Analyzed: 4/27/2000

Analysis Method: GC/MS (EPA 8260/8270 Mod.)
Matrix: Water
Preservation: 3.9°C
Decanted: No
Sample Size: 35.808 g
%Solid: 100%
Extract Volume: 2 mL
Prep DF: 1
Analysis DF: 1
Injection Volume: 0.001 mL
Batch QC: PW000427-AB

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	Comments
cis-1,2-Dichloroethene		U	5.48	2.74	
2,2-Dichloropropane		U	5.48	2.74	
Chloroform		U	5.48	2.74	
1,1,1-Trichloroethane		U	5.48	2.74	
1,2-Dichloroethane		U	5.48	2.74	
1,1-Dichloropropene		U	5.48	2.74	
Benzene	5,180		21.9	11.0	
Carbon Tetrachloride		U	11.0	5.48	
1,2-Dichloropropane		U	11.0	5.48	
Trichloroethene		U	11.0	5.48	
Dibromomethane		U	11.0	5.48	
Bromodichloromethane		U	11.0	5.48	
cis-1,3-Dichloropropene		U	21.9	11.0	
N-nitrosodimethylamine		U	176	87.8	
Toluene	2,450		21.9	11.0	
trans-1,3-Dichloropropene		U	21.9	11.0	
1,1,2-Trichloroethane		U	2.74	1.37	
1,3-Dichloropropane		U	11.0	5.48	
Dibromochloromethane		U	11.0	5.48	
1,2-Dibromoethane		U	11.0	5.48	
Tetrachloroethene		U	11.0	5.48	
N-nitrosomethylethylamine		U	43.9	21.9	
Chlorobenzene		U	11.0	5.48	
1,1,1,2-Tetrachloroethane		U	11.0	5.48	
Ethylbenzene	2,980		5.48	2.74	
m/p-Xylenes	1,220		5.48	2.74	
Bromoform		U	11.0	5.48	
Styrene	24.7		5.48	2.74	
o-Xylene	914		5.48	2.74	
N-nitrosodiethylamine		U	43.9	21.9	
1,1,2,2-Tetrachloroethane		U	11.0	5.48	
1,2,3-Trichloropropane		U	11.0	5.48	
Isopropylbenzene	60.2		21.9	11.0	
Bromobenzene		U	2.74	1.37	
2-Chlorotoluene		U	5.48	2.74	
Propylbenzene	9.08	J	11.0	5.48	
4-Chlorotoluene		U	5.48	2.74	
1,3,5-Trimethylbenzene	88.1		5.48	2.74	
Pentachloroethane		U	5.48	2.74	
Phenol		U	87.8	43.9	
bis(2-Chloroethyl)ether		U	5.48	2.74	
Aniline		U	5.48	2.74	
2-Chlorophenol		U	5.48	2.74	
tert-Butylbenzene		U	11.0	5.48	
1,2,4-Trimethylbenzene	259		11.0	5.48	
1,3-Dichlorobenzene		U	5.48	2.74	
sec-Butylbenzene		U	5.48	2.74	
1,4-Dichlorobenzene		U	5.48	2.74	
p-Isopropyltoluene	13.1		5.48	2.74	
Benzyl Alcohol		U	43.9	21.9	
2-Methylphenol (m-cresol)		U	43.9	21.9	

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID: TB-2, 17.5'

Preparation Method:

Solvent Ext. (EPA3511 Draft)

Cleanup Method(s):

Client: Parsons
Project: White Plains Substation

Analysis Method: GC/MS (EPA 8260/8270 Mod.)

Lab ID: PW000321-03Z
File ID: 27APR06.D

Matrix: Water
Preservation: 3.9°C
Decanted: No
Sample Size: 35.608 g
%Solid: 100%
Extract Volume: 2 mL
Prep DF: 1
Analysis DF: 1
Injection Volume: 0.001 mL
Batch QC: PW000427-AB

Date Sampled: 4/6/2000
Date Received: 4/13/2000
Date Prepared: 4/26/2000
Date Cleanup: None
Date Analyzed: 4/27/2000

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	Comments
1,2-Dichlorobenzene		U	5.48	2.74	
4-Methylphenol (p-cresol)		U	5.48	2.74	
bis(2-chloroisopropyl)ether		U	5.48	2.74	
n-Butylbenzene	5.94		5.48	2.74	
3-Methylphenol (o-cresol)		U	11.0	5.48	
N-nitrosopyrrolidine		U	43.9	21.9	
N-nitroso-di-n-propylamine		U	21.9	11.0	
N-nitrosomorpholine		U	21.9	11.0	
Hexachloroethane		U	5.48	2.74	
1,2-Dibromo-3-Chloropropane		U	5.48	2.74	
N-nitrosopiperidine		U	11.0	5.48	
2-Nitrophenol		U	43.9	21.9	
2,4-Dimethylphenol		U	5.48	2.74	
bis(2-Chloroethoxy)methane		U	11.0	5.48	
2,6-Dichlorophenol		U	21.9	11.0	
1,2,4-Trichlorobenzene		U	2.74	1.37	
Naphthalene	7,510		43.9	21.9	
4-Chloroaniline		U	21.9	11.0	
2,4-Dichlorophenol		U	43.9	21.9	
Hexachloropropene		U	21.9	11.0	
Hexachlorobutadiene		U	5.48	2.74	
1,2,3-Trichlorobenzene		U	2.74	1.37	
N-nitrosodi-n-butylamine		U	43.9	21.9	
4-Chloro-3-methylphenol		U	5.48	2.74	
2-Methylnaphthalene	859		5.48	2.74	
1,2,4,5-Tetrachlorobenzene		U	11.0	5.48	
Hexachlorocyclopentadiene		U	43.9	21.9	
2,4,6-Trichlorophenol		U	21.9	11.0	
2,4,6-Trichlorophenol		U	21.9	11.0	
2-Chloronaphthalene		U	2.74	1.37	
2-Nitroaniline		U	43.9	21.9	
Dimethylphthalate		U	2.74	1.37	
Acenaphthylene	71.7		2.74	1.37	
3-Nitroaniline		U	87.8	43.9	
Acenaphthene	238		5.48	2.74	
4-Nitrophenol		U	176	87.8	
Dibenzofuran	7.89		5.48	2.74	
Pentachlorobenzene		U	5.48	2.74	
2,3,4,6-Tetrachlorophenol		U	43.9	21.9	
Diethylphthalate		U	11.0	5.48	
4-Chlorophenyl-phenylether		U	43.9	21.9	
Fluorene	91.4		2.74	1.37	
4-Nitroaniline		U	176	87.8	
4,6-Dinitro-2-methylphenol		U	351	176	
n-Nitrosodiphenylamine		U	5.48	2.74	
4-Bromophenyl-phenylether		U	5.48	2.74	
Hexachlorobenzene		U	21.9	11.0	
Pentachlorophenol		U	351	176	
Phenanthrene	124		2.74	1.37	
Dinoseb (DNBP)		U	351	176	
Anthracene	35.2		2.74	1.37	

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID:	TB-2, 17.5'	Preparation Method:	Solvent Ext. (EPA3611 Draft)
		Cleanup Method(s):	
Client:	Parsons	Analysis Method:	GC/MS (EPA 8260/8270 Mod.)
Project:	White Plains Substation	Matrix:	Water
		Preservation:	3.9°C
Lab ID:	PW000321-03Z	Decanted:	No
File ID:	27APR06.D	Sample Size:	35.808 g
		%Solid:	100%
Date Sampled:	4/6/2000	Extract Volume:	2 mL
Date Received:	4/13/2000	Prep DF:	1
Date Prepared:	4/26/2000	Analysis DF:	1
Date Cleanup:	None	Injection Volume:	0.001 mL
Date Analyzed:	4/27/2000	Batch QC:	PW000427-AB

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	Comments
Di-n-butylphthalate		U	176	87.8	
Fluoranthene	23.1		2.74	1.37	
Pyrene	29.9		2.74	1.37	
Butylbenzylphthalate		U	2.74	1.37	
Benz[a]anthracene	11.6		11.0	5.48	
Chrysene	7.57		2.74	1.37	
bis(2-Ethylhexyl)phthalate		U	21.9	11.0	
Di-n-octylphthalate		U	2.74	1.37	
Benzo[b]fluoranthene		U	2.74	1.37	
Benzo[k]fluoranthene		U	2.74	1.37	
Benzo[a]pyrene		U	2.74	1.37	
Indeno[1,2,3-cd]pyrene		U	5.48	2.74	
Dibenz[a,h]anthracene		U	11.0	5.48	
Benzo[g,h,i]perylene		U	5.48	2.74	
Surrogates	%R		Min	Max	
0			50%	150%	
2-Fluorobiphenyl	104%		30%	115%	

Qualifiers:

B Analyte detected in the blank
J Undetected above the detection limit
U Estimated value detected between the reporting and detection limits
RL Reporting limit is the sample equivalent of the lowest linear calibration concentration
EDL Estimated detection limit is 50% of the RL

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID: TB-2, 17.5'

Preparation Method:

Solvent Ext. (EPA511 Draft)

Cleanup Method(s):

Client: Parsons
Project: White Plains Substation

Lab ID: PW000321-03Dup
File ID: 27APR07.D

Date Sampled: 04/06/2000
Date Received: 04/13/2000
Date Prepared: 04/26/2000
Date Cleanup: None
Date Analyzed: 04/27/2000

Analysis Method: GC/MS (EPA 8260/8270 Mod.)
Matrix: Water
Preservation: 3.9°C
Decanted: No
Sample Size: 35.838 g
%Solid: 100%
Extract Volume: 2 mL
Prep DF: 1
Analysis DF: 1
Injection Volume: 0.001 mL
Batch QC: PW000427-AB

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	%D
cis-1,2-Dichloroethene		U	5.45	2.72	
2,2-Dichloropropane		U	5.45	2.72	
Chloroform		U	5.45	2.72	
1,1,1-Trichloroethane		U	5.45	2.72	
1,2-Dichloroethane		U	5.45	2.72	
1,1-Dichloropropene		U	5.45	2.72	
Benzene	2,840		21.8	10.9	58%
Carbon Tetrachloride		U	10.9	5.45	
1,2-Dichloropropane		U	10.9	5.45	
Trichloroethene		U	10.9	5.45	
Dibromomethane		U	10.9	5.45	
Bromodichloromethane		U	10.9	5.45	
cis-1,3-Dichloropropene		U	21.8	10.9	
N-nitrosodimethylamine		U	174	87.2	
Toluene	1,200		21.8	10.9	68%
trans-1,3-Dichloropropene		U	21.8	10.9	
1,1,2-Trichloroethane		U	2.72	1.36	
1,3-Dichloropropane		U	10.9	5.45	
Dibromochloromethane		U	10.9	5.45	
1,2-Dibromoethane		U	10.9	5.45	
Tetrachloroethene		U	10.9	5.45	
N-nitrosomethylethylamine		U	43.6	21.8	
Chlorobenzene		U	10.9	5.45	
1,1,1,2-Tetrachloroethane		U	10.9	5.45	
Ethylbenzene	1,270		5.45	2.72	80%
m/p-Xylenes	510		5.45	2.72	82%
Bromoform		U	10.9	5.45	
Styrene	10.9		5.45	2.72	78%
o-Xylene	392		5.45	2.72	80%
N-nitrosodimethylamine		U	43.6	21.8	
1,1,2,2-Tetrachloroethane		U	10.9	5.45	
1,2,3-Trichloropropane		U	10.9	5.45	
Isopropylbenzene	23.9		21.8	10.9	88%
Bromobenzene		U	2.72	1.36	
2-Chlorotoluene		U	5.45	2.72	
Propylbenzene	5.62	J	10.9	5.45	47%
4-Chlorotoluene		U	5.45	2.72	
1,3,5-Trimethylbenzene	33.8		5.45	2.72	89%
Pentachloroethane		U	5.45	2.72	
Phenol		U	87.2	43.6	
bis(2-Chloroethyl)ether		U	5.45	2.72	
Aniline		U	5.45	2.72	
2-Chlorophenol		U	5.45	2.72	
tert-Butylbenzene		U	10.9	5.45	
1,2,4-Trimethylbenzene	96.0		10.9	5.45	92%
1,3-Dichlorobenzene		U	5.45	2.72	
sec-Butylbenzene		U	5.45	2.72	
1,4-Dichlorobenzene		U	5.45	2.72	
p-Isopropyltoluene	4.77	J	5.45	2.72	93%
Benzyl Alcohol		U	43.6	21.8	
2-Methylphenol (m-cresol)		U	43.6	21.8	

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID: TB-2, 17.5'

Preparation Method:

Solvent Ext. (EPA3511 Draft)

Cleanup Method(s):

Client: Parsons
Project: White Plains Substation

Analysis Method: GC/MS (EPA 8260/8270 Mod.)

Lab ID: PW000321-03Dup
File ID: 27APR07.D

Matrix: Water
Preservation: 3.9°C
Decanted: No
Sample Size: 35.838 g
%Solid: 100%
Extract Volume: 2 mL
Prep DF: 1
Analysis DF: 1
Injection Volume: 0.001 mL
Batch QC: PW000427-AB

Date Sampled: 04/06/2000
Date Received: 04/13/2000
Date Prepared: 04/26/2000
Date Cleanup: None
Date Analyzed: 04/27/2000

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	%D
1,2-Dichlorobenzene		U	5.45	2.72	
4-Methylphenol (p-cresol)		U	5.45	2.72	
bis(2-chloroisopropyl)ether		U	5.45	2.72	
n-Butylbenzene		U	5.45	2.72	
3-Methylphenol (o-cresol)		U	10.9	5.45	
N-nitrosopyrrolidine		U	43.6	21.8	
N-nitroso-di-n-propylamine		U	21.8	10.9	
N-nitrosomorpholine		U	21.8	10.9	
Hexachloroethane		U	5.45	2.72	
1,2-Dibromo-3-Chloropropane		U	5.45	2.72	
N-nitrosopiperidine		U	10.9	5.45	
2-Nitrophenol		U	43.6	21.8	
2,4-Dimethylphenol		U	5.45	2.72	
bis(2-Chloroethoxy)methane		U	10.9	5.45	
2,6-Dichlorophenol		U	21.8	10.9	
1,2,4-Trichlorobenzene		U	2.72	1.36	
Naphthalene	4,140		43.6	21.8	
4-Chloroaniline		U	21.8	10.9	
2,4-Dichlorophenol		U	43.6	21.8	
Hexachloropropene		U	21.8	10.9	
Hexachlorobutadiene		U	5.45	2.72	
1,2,3-Trichlorobenzene		U	2.72	1.36	
N-nitrosodi-n-butylamine		U	43.6	21.8	
4-Chloro-3-methylphenol		U	5.45	2.72	
2-Methylnaphthalene	306		5.45	2.72	95%
1,2,4,5-Tetrachlorobenzene		U	10.9	5.45	
Hexachlorocyclopentadiene		U	43.6	21.8	
2,4,6-Trichlorophenol		U	21.8	10.9	
2,4,5-Trichlorophenol		U	21.8	10.9	
2-Chloronaphthalene		U	2.72	1.36	
2-Nitroaniline		U	43.6	21.8	
Dimethylphthalate		U	2.72	1.36	
Acenaphthylene	25.5		2.72	1.36	95%
3-Nitroaniline		U	87.2	43.6	
Acenaphthene	91.1		5.45	2.72	95%
4-Nitrophenol		U	174	87.2	
Dibenzofuran		U	5.45	2.72	
Pentachlorobenzene		U	5.45	2.72	
2,3,4,6-Tetrachlorophenol		U	43.6	21.8	
Diethylphthalate		U	10.9	5.45	
4-Chlorophenyl-phenylether		U	43.6	21.8	
Fluorene	35.6		2.72	1.36	85%
4-Nitroaniline		U	174	87.2	
4,6-Dinitro-2-methylphenol		U	349	174	
n-Nitrosodiphenylamine		U	5.45	2.72	
4-Bromophenyl-phenylether		U	5.45	2.72	
Hexachlorobenzene		U	21.8	10.9	
Pentachlorophenol		U	349	174	
Phenanthrene	48.4		2.72	1.36	
Dinoseb (DNBP)		U	349	174	
Anthracene	14.8		2.72	1.36	82%

Analytical Results for Volatile and Semivolatile Organics META Environmental, Inc.

Field ID:	TB-2, 17.5'	Preparation Method:	Solvent Ext. (EPA3511 Draft)
		Cleanup Method(s):	
Client:	Parsons	Analysis Method:	GC/MS (EPA 8260/8270 Mod.)
Project:	White Plains Substation	Matrix:	Water
		Preservation:	3.9°C
Lab ID:	PW000321-03Dup	Decanted:	No
File ID:	27APR07.D	Sample Size:	35.838 g
		%Solid:	100%
Date Sampled:	04/08/2000	Extract Volume:	2 mL
Date Received:	04/13/2000	Prep DF:	1
Date Prepared:	04/26/2000	Analysis DF:	0.001 mL
Date Cleanup:	None	Injection Volume:	0.001 mL
Date Analyzed:	04/27/2000	Batch QC:	PW000427-AB

Analyte	Concentration ug/L	Q	RL ug/L	DL ug/L	%D
Di-n-butylphthalate		U	174	87.2	
Fluoranthene	9.98		2.72	1.36	79%
Pyrene	13.5		2.72	1.36	76%
Butylbenzylphthalate		U	2.72	1.36	
Benz(a)anthracene		U	10.9	5.45	
Chrysene		U	2.72	1.36	
bis(2-Ethylhexyl)phthalate		U	21.8	10.9	
Di-n-octylphthalate		U	2.72	1.36	
Benzo(b)fluoranthene		U	2.72	1.36	
Benzo(k)fluoranthene		U	2.72	1.36	
Benzo(a)pyrene		U	2.72	1.36	
Indeno(1,2,3-cd)pyrene		U	5.45	2.72	
Dibenz(a,h)anthracene		U	10.9	5.45	
Benzo(g,h,i)perylene		U	5.45	2.72	
Surrogates	%R		Min	Max	
0			50%	150%	
2-Fluorobiphenyl	107%		30%	115%	

Qualifiers:

B Analyte detected in the blank
J Undetected above the detection limit
U Estimated value detected between the reporting and detection limits
RL Reporting limit is the sample equivalent of the lowest linear calibration concentration
EDL Estimated detection limit is 50% of the RL

ANALYTICAL RESULTS**Chlorophenols & TPH****Client: EPRI Project: Method Evaluation**

Lab ID	PW000321-03	PW000321-03Dup	
Field ID:	TB-2, 17.5'	TB-2, 17.5'	
Aroclor 1016	15.9 U	25.7 U	
Aroclor 1221	15.9 U	25.7 U	
Aroclor 1232	15.9 U	25.7 U	
Aroclor 1242	15.9 U	25.7 U	
Aroclor 1248	15.9 U	25.7 U	
Aroclor 1254	15.9 U	25.7 U	
Aroclor 1260	15.9 U	25.7 U	
Concentration Units:	ug/kg	ug/kg	
Tetrachloro-m-xylene	84%	84%	
Decachlorobiphenyl	89%	89%	

All soil results reported on a dry weight basis.

B = Analyte detected in the blank

D = Values from a diluted sample extract

DL = QC compounds diluted out

E = Estimated value, above calibration range

I = Interference

J = Estimated value

L = Coeluted with compound listed above

U = Not detected at quantitation limit shown

ANALYTICAL RESULTS**Chlorophenols & TPH****Client: EPRI Project: Method Evaluation**

Lab ID Field ID:	PW000420-SB Soil Blank	PW000420-SBS Soil Blank Spike	
Aroclor 1016	2.50 U	101%	
Aroclor 1221	2.50 U		
Aroclor 1232	2.50 U		
Aroclor 1242	2.50 U		
Aroclor 1248	2.50 U		
Aroclor 1254	2.50 U		
Aroclor 1260	2.50 U	89%	
Concentration Units:	ug/kg	ug/kg	
Tetrachloro-m-xylene	75%	81%	
Decachlorobiphenyl	83%	93%	

All soil results reported on a dry weight basis.

B = Analyte detected in the blank

D = Values from a diluted sample extract

DL = QC compounds diluted out

E = Estimated value, above calibration range

I = Interference

J = Estimated value

L = Coeluted with compound listed above

U = Not detected at quantitation limit shown

META ENVIRONMENTAL SAMPLE RECEIPT

Lab ID	Field ID	Matrix	Analysis	Date Sampled	Date Received	Client/ Project	Container/ Storage	Comments/Logger
PW000321-01	TB-1, 28-30'	Soil	2508/4007	03/17/00	03/21/00	P06004-60	8 oz. jar	
PW000321-02	TB-1, 36-39'	Soil	2508/4007	03/17/00	03/21/00	P06004-60	8 oz. jar	
PW000321-03	TB-2, 17.5'	Soil	2508/4007	03/17/00	03/21/00	P06004-60	8 oz. jar	

Metel & Hy
3/21/00

EH&S ChemLab

Chain-of-Custody/Request for Analysis

Consolidated Edison (Bldg. 138)
31-01 20th Avenue, L.I.C., NY 11105

Tel: (718) 204 4124
Fax: (718) 956-8068



1) LSN: (Lab Use Only) 00-02566 e²MIS Incident #: _____ Chain-of-Custody ID #: **AA15272**
 Sample Site: White Plains S/S Borough: MH ☐ BK ☐ ON ☐ BX ☐ WE ☐ SI ☐
 Requested By: Yelena Skorobogotov Employee #: 84153 Telephone #: (_____) Account #: R8461
 E-mail Notification: _____ Organization: (*Check Box Below) Dept. 24-hour Tel. #: (_____)
 Sampled By: David Gerschwiler (GMC) Employee #: _____ Asbestos License #: _____ Customer's ID #: _____

Priority: E (within 8 hours) A (within 24 hours) B (within 7 days)
 An 'E' or 'A' priority requires an e²MIS Incident # or an operational necessity justification:
 Preservation Information:
 Temp Blank: Yes _____ No _____ °C _____
 Preserved with _____
 Comments: _____

SAMPLE INFO TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike
 MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

Collected (3)		Sample Location / Description	VLT/MH/POLE # EQUIP. SERIAL #	Sample Matrix	Sample Type	(4)																	e ² MIS Sample ID # (Not Incident #)
Date	Time					Total # of Total # of OIL ID	PCB	TCLP VOC	TCLP NVOC	TCLP MET	TCLP BEN	TCLP PUL	BTEX	OIL & GR	TSS	GAS-IN-OIL	TOTAL B	ASBESTOS	DIELECT	TOTAL H	TPH	IGNITAB	
3/17/00	1230	TB-1, 28-30' *		SO	G																X		PW000321-
	1300	TB-1, 36-39'		SO	G																X		-0
	1400	TB-2, 17.5'		SO	G																X		-0
		* sample jar broken upon receipt. Transferred to a new jar; no contamination evident.																					
		+ samples received @ 10°C																					

Comments / Special Instructions / Samples TO be Additional E Mail Notifications: Sent to META Environmental per Yelena Skorobogotov

Central Services ☐ Environment, Health & Safety ☐ Transportation & Stores ☐ Research & Development ☐ Facilities & Office Services	Electric Operations ☐ Customer Services ☐ Distribution Engineering ☐ Manhattan ☐ Bronx & Westchester ☐ Staten Island ☐ Brooklyn & Queens ☐ Customer Operations	Central Operations ☐ System & Transmission Operations ☐ Maintenance Services ☐ Energy Management ☐ Substation Operations ☐ Steam Operations	Nuclear Operations ☐ Nuclear Power ☐ Nuclear Engineering ☐ Public Affairs	☐ Gas Ops ☐ Law ☐ Auditing
--	---	--	--	---

Relinquished by (Signature): <u>[Signature]</u>	Date: <u>3-17-00</u>	Received by (Signature): <u>[Signature]</u>	Date: <u>03/17</u>	Relinquished by (Signature): <u>[Signature]</u>	Date: <u>3/20</u>	Received by (Signature): <u>[Signature]</u>	Date: _____
Relinquished by (Signature): _____	Date: _____	Received by (Signature): _____	Date: _____	Relinquished by (Signature): _____	Date: _____	Received by (Signature): _____	Date: _____
Relinquished by (Signature): _____	Date: _____	Received by (Signature): _____	Date: _____	Relinquished by (Signature): _____	Date: _____	Received by (Signature): <u>[Signature]</u>	Date: <u>3/20/00</u>

LABORATORY COPY



Woods Hole Group

Environmental Laboratories

ANALYTICAL REPORT

Prepared for:

**META Environmental, Inc.
49 Clarendon St.
Watertown, MA 02172**

**Project: TCLP Metals P06004
ETR: 00044156
Report Date: 05/11/2000**

Certificates

**Massachusetts MA030
Connecticut PH-0141
New Hampshire 220697
Rhode Island 64
New Jersey 59015
Maine MA030**

CASE NARRATIVE

Woods Hole Group Environmental Laboratories

ETR: 00044156
Project: TCLP Metals P06004

All analyses were performed within holding time and with appropriate quality control measures except where noted. Blank correction of results is not performed in the laboratory for any parameter. Soil/sediment samples are reported on a dry weight basis unless otherwise noted.

The enclosed results of analyses are representative of the samples as received by the laboratory. Woods Hole Group makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Woods Hole Group. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by:

Golvin Brenner
Woods Hole Group Environmental Laboratories

Date:

5-11-00

\\WGH\LAB\SYSTEMS\SHARED\NARR\TMP\44156.doc

Woods Hole Group Environmental Laboratories 375 Paramount Drive, Suite 2, Raynham, MA 02767-5150 Ph: 508-822-9300

P. 03

FAX NO. 5088223288

WOODS HOLE GROUP MAY-11-00 THU 12:39 PM

ANALYTICAL REPORT

Woods Hole Group Environmental Laboratories

META Environmental, Inc
49 Clarendon St.
Watertown, MA 02172

ETR: 00044156
Project: TCLP Metals P06004

Sample ID: PW000321-03 Matrix: WATER Date Collected: 04/27/2000
Lab ID: 0044156-01 Date Received: 05/02/2000

Parameter	Result	Qualifier	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic, Extractable	200	U	µg/L	1	200	6010B		05/04/2000	LMV
Barium, Extractable	720		µg/L	1	20	6010B		05/05/2000	LMV
Cadmium, Extractable	5.0	U	µg/L	1	5.0	6010B		05/04/2000	LMV
Chromium, Extractable	10	U	µg/L	1	10	6010B		05/04/2000	LMV
Lead, Extractable	2200		µg/L	1	100	6010B		05/04/2000	LMV
Mercury, Extractable	0.50	U	µg/L	1	0.50	7470		05/08/2000	SC
Selenium, Extractable	200	U	µg/L	1	200	6010B		05/04/2000	LMV
Silver, Extractable	7.0	U	µg/L	1	7.0	6010B		05/04/2000	LMV

Sample ID: PW000426-EB2 Matrix: WATER Date Collected: 04/27/2000
Lab ID: 0044156-02 Date Received: 05/02/2000

Parameter	Result	Qualifier	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic, Extractable	200	U	µg/L	1	200	6010B		05/04/2000	LMV
Barium, Extractable	20	U	µg/L	1	20	6010B		05/05/2000	LMV
Cadmium, Extractable	5.0	U	µg/L	1	5.0	6010B		05/04/2000	LMV
Chromium, Extractable	10	U	µg/L	1	10	6010B		05/04/2000	LMV
Lead, Extractable	100	U	µg/L	1	100	6010B		05/04/2000	LMV
Mercury, Extractable	0.50	U	µg/L	1	0.50	7470		05/08/2000	SC
Selenium, Extractable	200	U	µg/L	1	200	6010B		05/04/2000	LMV
Silver, Extractable	7.0	U	µg/L	1	7.0	6010B		05/04/2000	LMV

U = The analyte was analyzed for but not detected at the sample specific level reported.

N/A = Not Applicable
RL = Reporting Limit

Inorganic Quality Control Summary

Client: META Environmental, Inc.
Project: TCLP Metals P06004
ETR: 44156

Parameter	sample ID	analysis date	Blank (µg/L)	Sample Result (µg/L)	RPD of duplicates	MS added (µg/L)	%recovery matrix spike	LCS conc. (µg/L)	% recovery LCS	quali-fier
Arsenic	44156-01	5/4/00	<200	<200	0	1000	110	1000	94	
Barium	44156-01	5/5/00	<20	720	0	1000	.88	1000	92	
Cadmium	44156-01	5/4/00	<5	<5	0	500	94	500	96	
Chromium	44156-01	5/4/00	<10	<10	0	1000	92	1000	95	
Lead	44156-01	5/4/00	<100	2200	9	1000	100	1000	95	
Mercury	44156-01	5/8/00	<0.2	<0.5	0	20	85	8.0	89	
Selenium	44156-01	5/4/00	<200	<200	0	1000	97	1000	94	
Silver	44156-01	5/4/00	<7	<7	0	200	95	200	95	

Qualifiers & Notes:

B = Reported QC is for associated batch

RPD = relative percent difference

C = Not spiked 2X> than sample concentration

N = See narrative

P = Post digestion spike recovery

R = RPD criteria not applicable to results <5X the detection limit.

X = It is not possible to calculate % RPD, result is BDL, duplicate is just above detection.

r. us

FAX NO. 508/225288

MAY-11-00 THU 12:39 PM WOODS HOLE GROUP

META ENVIRON

TAL

022

MASTER

44156

META  **Environmental, Inc.**

49 Clarendon Street
Watertown, MA 02472
TEL: (617) 923-4662
FAX: (617) 923-4610

Douglas BERHANU

Signature

Print Page

ANALYSES		COMMENTS
TELP Metals		

Method of Shipment	
	Send data to David Mauro 2 week Turnaround. Quoted at \$110/sample

PT 1 - ORIGINAL PT 2 META Project Manager - Yellow

NETA ENVIRONMENTAL

023

FAX NO. 508.225.2888

MAY-11-00 THU 12:39 PM WOODS HOLE GROUP

**APPENDIX F
ASBESTOS SAMPLE RESULTS**

APR. 19 2000

CONSOLIDATED EDISON
ENVIRONMENTAL, HEALTH & SAFETY ELAP# 10308
CHEMLAB
RESULTS OF ANALYSIS

Lab Sequence Number: 00-03661-001

Date Reported: 04/19/00

Customer Number:

Date Received: 04/14/00

Date Sampled 04/11/00

Submitter YELENA SKOROBOGATOV

Description: SOIL-TB-2A;WHITE PLAINS S/S:WESTCHESTER

Facility 31-01 20TH AVE ASTORIA

TSL Analyst R.LUND

NOTE: THE SUBMITTER SHALL POST AND/OR PROVIDE THESE RESULTS TO ALL EMPLOYEES
WORKING WITH OR IN THE VICINITY OF THIS SUBSTANCE. THIS REPORT SHALL
NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF TSL
THIS REPORT RELATES ONLY TO THE ITEMS TESTED AND MUST NOT BE USED TO
CLAIM PRODUCT ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE U.S.GOVERNMENT

Sample Description: TB-2A SAMPLE

BULK MATERIAL WHITE PLAINS S/S

Appearance: Homogenous (Y/N) Y Fibrous (Y/N) Y Friable (Y/N) N

Color: BLACK Sample Treatment: Grav. (NOB) - PLM & TEM

ASBESTOS		Non-ASBESTOS		Non-FIBROUS	
<u>APPROXIMATE %</u>		<u>APPROXIMATE %</u>		<u>APPROXIMATE %</u>	
AMOSITE	ND	CELLULOSE	48	QUARTZ	ND
CHRYSTILE	0.1	FIBERGLASS	ND	OPAQUES	ND
CROCIDOLITE	ND	SYNTHETIC	12	CARBONATES	4.0
TREMOLITE	ND	CERAMIC FIBERS	ND	OTHER	35.9
ANTHOPHYLLITE	ND	MINERAL WOOL	ND		
ACTINOLITE	ND				
TOTAL ASBESTOS	.1				

Analyzed by: ATC Associates, Inc. ELAP# 10879 NVLAP# 101187

REMARKS: Analyzed by ELAP 198.1 Method and ELAP 198.4 Method.

Approved By: VOLPE

Title: Supervisor

The above results reflect the analysis of the sample as submitted.
Sample preparation and analysis of bulk materials is performed in
accordance with US EPA - 600/M4-82-020.

Test was performed by point counting method.

ND = Not Detected TR = Trace