NYSEG

October 25, 2006

Carl Weber
24 McMaster Street
Auburn, NY 13021

Subject: Auburn McMaster Street Former Manufactured Gas Plant (MGP) Site
Remedial Investigation (RI)
Analytical Results 24 McMaster Street, Auburn , NY

Dear Mr. Weber:

Per the terms of the access agreement for the above-referenced site investigation, NYSEG is sending you the following documents relating to the soil and groundwater samples collected from your property at 24 McMaster Street:

- A drawing that shows the relative locations of the test pits and monitoring wells and installed on your property
- Test pit and soil boring/well construction logs; and
- Laboratory analytical data summarized in tabular format.

As noted in enclosed data tables, a number of the analytical results for MGP-related compounds measured in soil and groundwater samples collected from your property exceed the New York State Department of Environmental Conservation (DEC) guidance criteria for soil cleanups (TAGM HWR-94-4046) and DEC groundwater quality standards (TOGS 1.1.1, Class GA). In addition, the enclosed boring and test pit logs indicate visual or odorous evidence of MGP coal tar from some of the soil and rock core samples examined. Odorous evidence of fuel oil was also noted in some of these samples.

The enclosed data will be incorporated into a comprehensive report of all site investigation findings, which we expect to submit to DEC by the spring of 2007. If you need help interpreting the enclosed data, please contact Mr. John Spellman of the DEC at (518) 402-9662. Any health related questions should be directed to Ms. Julia Guastella of the New York State Department of Health at (518) 402-7860.

Since some monitoring wells in the area have shown MGP-related compounds in the shallow bedrock groundwater regime, NYSEG is now proposing to install several deep bedrock monitoring wells on the MGP site and nearby properties to determine how deep MGP-related compounds may have been transported into bedrock groundwater. As such, NYSEG will again request access to your property to install at least one deep bedrock monitoring well, likely towards the north end of your property (near the Owasco Outlet). Once the scope for this additional work has been finalized and approved by DEC, NYSEG or its agent will contact you in advance to provide you with work details and to request a time for access.

In the event that any remedial action must be taken on your property as a result of MGP-related impacts, NYSEG will conduct the work at no cost to you. We truly appreciate your cooperation with this important site investigation project. Should you have any questions concerning the status of the site investigation or site history, please feel free to contact me by email at jjruspantini@nyseg.com or by phone at (607) 762-8787.

Sincerely,
NYSEG

John J. Ruspantini, CHMM
Environmental Analyst
Site Investigation & Remediation

Enclosure

cc: Joseph M. Simone – NYSEG
John Spellman – DEC Albany
Julia Guastella – DOH Troy

cc w/o enc: Scott A Powlin - BBL
Cheryl J. Cooper – NYSEG Auburn

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PRELIMINARY DATA

TABLE 1
SUBSURFACE SOIL ANALYTICAL RESULTS - AUBURN TANK PROPERTY

NEW YORK STATE ELECTRIC & GAS CORPORATION
AUBURN (McMASTER STREET) FORMER MGP SITE
AUBURN, NEW YORK

Sample ID:		MW-06-10	MW-06-11	MW-06-13R	TP-06-13	TP-06-14	TP-06-15	TP-06-16
Sample Depth(Feet):	NYSDEC	4 - 6	7 - 9.8	8 - 10	7.5	9	6	8
Date Collected:	TAGM	05/01/06	05/03/06	06/12/06	06/13/06	06/13/06	06/14/06	06/14/06
VOCs								
1,1,1-Trichloroethane	0.8	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
1,1,2,2-Tetrachloroethane	0.6	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
1,1,2-Trichloroethane	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
1,1-Dichloroethane	0.2	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
1,1-Dichloroethene	0.4	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
1,2-Dichloroethane	0.1	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
1,2-Dichloroethene (total)	0.3	0.012 U	0.012 U	NA	NA	NA	NA	NA
1,2-Dichloropropane	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
2-Butanone	0.3	0.022 J	0.012 J	0.01 J	0.011 J	0.016 J	0.015 J	0.005 J
2-Hexanone	--	0.03 U	0.031 U	0.029 U	0.03 U	0.036 U	0.033 U	0.025 U
4-Methyl-2-Pentanone	1	0.03 U	0.031 U	0.029 U	0.03 U	0.036 U	0.033 U	0.025 U
Acetone	0.2	0.11	0.089	0.055	0.043	0.068	0.058	0.029
Benzene	0.06	0.006 U	0.21	0.02	0.41 D	0.024	0.26	0.005 U
Bromodichloromethane	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Bromoform	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Bromomethane	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Carbon Disulfide	2.7	0.006 U	0.006 U	0.001 J	0.002 J	0.007 U	0.007 U	0.005 U
Carbon Tetrachloride	0.6	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Chlorobenzene	1.7	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Chloroethane	1.9	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Chloroform	0.3	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Chloromethane	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
cis-1,2-Dichloroethene	--	NA	NA	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
cis-1,3-Dichloropropene	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Dibromochloromethane	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Ethylbenzene	5.5	0.006 U	2.8 D	0.095	0.73 D	0.006 J	0.17	0.005 U
Methylene Chloride	0.1	0.002 J	0.002 BJ	0.021 B	0.006 B	0.019 B	0.004 BJ	0.004 BJ
Styrene	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Tetrachloroethene	1.4	0.006 U	0.002 J	0.006 U	0.001 J	0.007 U	0.007 U	0.005 U
Toluene	1.5	0.006 U	1.5 D	0.025 B	0.42 BD	0.002 BJ	0.39 BD	0.005 U
trans-1,2-Dichloroethene	--	NA	NA	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
trans-1,3-Dichloropropene	--	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Trichloroethene	0.7	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.005 U
Vinyl acetate	--	0.03 U	0.031 U	NA	NA	NA	NA	NA
Vinyl Chloride	0.2	0.012 U	0.012 U	0.012 U	0.012 U	0.014 U	0.013 U	0.01 U
Xylene (Total)	1.2	0.018 U	8.3 D	0.24	1.9 D	0.004 J	3.3 D	0.015 U
Total BTEX	--	ND	12.8	0.38	3.46	0.036 J	4.12	ND
SVOCs								
1,2,4-Trichlorobenzene	3.4	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
1,2-Dichlorobenzene	7.9	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
1,3-Dichlorobenzene	1.6	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
1,4-Dichlorobenzene	8.5	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
2,4,5-Trichlorophenol	0.1	4.8 U	9.9 U	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	--	2 U	4.1 U	NA	NA	NA	NA	NA
2,4-Dichlorophenol	0.4	2 U	4.1 U	NA	NA	NA	NA	NA
2,4-Dimethylphenol	--	2 U	4.1 U	NA	NA	NA	NA	NA
2,4-Dinitrophenol	0.2	9.6 U	20 U	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
2,6-Dinitrotoluene	1	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
2-Chloronaphthalene	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
2-Chlorophenol	0.8	2 U	4.1 U	NA	NA	NA	NA	NA
2-Methylnaphthalene	36.4	5.5	1.5 J	5.6 J	10	0.12 J	580	1.3
2-Methylphenol	0.1	2 U	4.1 U	NA	NA	NA	NA	NA
2-Nitroaniline	0.43	9.6 U	20 U	55 U	49 U	8.9 U	300 U	2 U
2-Nitrophenol	0.33	2 U	4.1 U	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	2 U	20 U	55 U	49 U	8.9 U	300 U	2 U
3-Nitroaniline	0.5	9.6 U	20 U	55 U	49 U	8.9 U	300 U	2 U
4,6-Dinitro-2-methylphenol	--	9.6 U	20 U	NA	NA	NA	NA	NA

See Notes on Page 3.

PRELIMINARY DATA

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NEW YORK STATE ELECTRIC & GAS CORPORATION
AUBURN (McMASTER STREET) FORMER MGP SITE
AUBURN, NEW YORK

Sample ID: / Sample Depth(Feet): / Date Collected:	NYSDEC TAGM	MW-06-10 4 - 6 05/01/06	MW-06-11 7 - 9.8 05/03/06	MW-06-13R 8 - 10 06/12/06	TP-06-13 7.5 06/13/06	TP-06-14 9 06/13/06	TP-06-15 6 06/14/06	TP-06-16 8 06/14/06
SVOCs (Cont'd.)								
4-Bromophenyl-phenylether	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
4-Chloro-3-methylphenol	0.24	2 U	4.1 U	NA	NA	NA	NA	NA
4-Chloroaniline	0.22	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
4-Chlorophenyl-phenylether	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
4-Methylphenol	0.9	2 U	4.1 U	NA	NA	NA	NA	NA
4-Nitroaniline	--	9.6 U	20 U	55 U	49 U	8.9 U	300 U	2 U
4-Nitrophenol	0.1	9.6 U	20 U	NA	NA	NA	NA	NA
Acenaphthene	50	1.2 J	7	50	26	2.1	510 B	0.29 BJ
Acenaphthylene	41	2 U	1.6 J	7.9 J	3.3 J	0.66 J	370	0.12 J
Anthracene	50	0.81 J	7.4	57	15	1.4 J	600	0.064 J
Benzo(a)anthracene	0.224	1.3 J	12	40	18	2.8	380	0.41 U
Benzo(a)pyrene	0.061	0.94 J	9.9	34	17	2.8	360	0.41 U
Benzo(b)fluoranthene	1.1	1.5 J	10	35	18	3.3	390	0.41 U
Benzo(g,h,i)perylene	50	0.51 J	4.4	17	9.2 J	1.8	260	0.41 U
Benzo(k)fluoranthene	1.1	1.6 J	3.9 J	13	5.4 J	1 J	120	0.41 U
Benzoic acid	2.7	29 U	59 U	NA	NA	NA	NA	NA
Benzyl alcohol	--	2 U	4.1 U	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
bis(2-Chloroethyl)ether	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
bis(2-chloroisopropyl)ether	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
bis(2-Ethylhexyl)phthalate	50	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Butylbenzylphthalate	50	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Carbazole	--	NA	NA	5.8 J	6.8 J	0.5 J	200	0.41 U
Chrysene	0.4	2	9.2	34	14	2.7	310	0.41 U
Cresols, Total	--	4 U	8.1 U	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	0.014	0.24 J	1.5 J	5.4 J	2.7 J	0.44 J	52 J	0.41 U
Dibenzofuran	6.2	2 U	3.8 J	32	14	0.96 J	440	0.15 J
Diethylphthalate	7.1	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Dimethylphthalate	2	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Di-n-butylphthalate	8.1	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Di-n-octylphthalate	50	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Fluoranthene	50	1.3 J	23	100	44	6.2	1,100 D	0.024 J
Fluorene	50	1.5 J	5.8	48	18	1.6 J	530	0.21 J
Hexachlorobenzene	0.41	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Hexachlorobutadiene	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Hexachlorocyclopentadiene	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Hexachloroethane	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Indeno(1,2,3-cd)pyrene	3.2	0.48 J	4.6	17	8.9 J	1.7 J	220	0.41 U
Isophorone	4.4	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Naphthalene	13	1.8 J	6.7	32 B	71 B	1.6 BJ	2,800 D	4.8
Nitrobenzene	0.2	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
N-Nitroso-di-n-propylamine	--	2 U	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
N-Nitrosodiphenylamine	--	2.1	4.1 U	11 U	10 U	1.8 U	62 U	0.41 U
Pentachlorophenol	1	9.6 U	20 U	NA	NA	NA	NA	NA
Phenanthrene	50	2.4	23	150	57	4.7	1,700 D	0.29 J
Phenol	0.03	2 U	4.1 U	NA	NA	NA	NA	NA
Pyrene	50	2.1	17	73	30	4.8	960 B	0.047 BJ
Pyridine	--	4.8 U	9.9 U	NA	NA	NA	NA	NA
Total PAHs	--	25.2 J	149 J	719 J	368 J	39.7 J	11,200 J	7.15 J
Metals								
Aluminum	--	5,290 E	2,220	3,280	3,690	1,850	978	6,710
Antimony	--	18 U	18 U	18.6 U	33.2	14.8 U	16.5 U	18.2 U
Arsenic	7.5	20	55	22.6	34.1	20.3	12.7	3.2
Barium	300	102	48 U	52.8	46.5 U	39.5 U	55.7	53
Beryllium	0.16	1 U	1 U	1.2 U	1.2 U	0.99 U	1.1 U	1.2 U
Cadmium	1	1 U	1 U	1.2 U	1.2 U	0.99 U	1.1 U	1.2 U
Calcium	--	21,200	19,300	32,300	25,000	17,100	75,300	21,400
Chromium	10	10	17	16.7	19.3	15	4.6	9.8

See Notes on Page 3.

PRELIMINARY DATA

TABLE 1
SUBSURFACE SOIL ANALYTICAL RESULTS -
AUBURN TANK PROPERTY

NEW YORK STATE ELECTRIC & GAS CORPORATION
AUBURN (McMASTER STREET) FORMER MGP SITE
AUBURN, NEW YORK

Sample ID: Sample Depth(Feet): Date Collected:	NYSDEC TAGM	MW-06-10 4 - 6 05/01/06	MW-06-11 7 - 9.8 05/03/06	MW-06-13R 8 - 10 06/12/06	TP-06-13 7.5 06/13/06	TP-06-14 9 06/13/06	TP-06-15 6 06/14/06	TP-06-16 8 06/14/06
Metals (Cont'd.)								
Cobalt	30	20	20	12.4 U	11.6 U	10.5	11 U	12.1 U
Copper	25	282	284	280	89.5	206	28.6	17
Cyanide, Total	--	1 U	1 U	1.3 U	1.1 U	1.1 U	14.5	1.2 U
Iron	2,000	124,000	48,900	18,700	27,900	61,800	14,900	14,600
Lead	--	217	343	312	412	258	108	10.4
Magnesium	--	8,560	2,970	6,820	5,650	3,820	2,090	10,700
Manganese	--	538	134	143	145	193	258	261
Mercury	0.1	2	1	2.9	1.1	0.452	2	0.022
Nickel	13	29	23	15.4	16.5	17.2	8.8 U	13.9
Potassium	--	1,220 U	1,200 U	1,240 U	1,160 U	987 U	1,100 U	1,210 U
Selenium	2	4 U	6	5 U	4.6 U	5.4	4.4 U	4.9 U
Silver	--	2 U	2 U	2.5 U	2.3 U	2 U	2.2 U	2.4 U
Sodium	--	1,220 U	1,200 U	1,240 U	1,160 U	987 U	1,100 U	1,210 U
Thallium	--	7 U	7 U	7.4 U	7 U	5.9 U	6.6 U	7.3 U
Vanadium	150	17	15	12.4 U	11.6 U	10.6	11 U	13.9
Zinc	20	105	410	292	326	295	92.7	26.1

Notes:
Results reported in milligrams per kilogram (mg/Kg); equivalent to parts per million (ppm).
NYSDEC TAGM = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24, 1994.
Values exceeding the NYSDEC TAGM are shaded.
NA = Not Analyzed.
ND = Not Detected.
-- = Not Available/Not Applicable.

Data Qualifiers:
B = The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
D = The reported concentration is based on a diluted sample analysis.
E (inorganics) = The reported value is estimated due to the presence of interference.
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

PRELIMINARY DATA

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - AUBURN TANK PROPERTY

NEW YORK STATE ELECTRIC & GAS CORPORATION
AUBURN (McMASTER STREET) FORMER MGP SITE
AUBURN, NEW YORK

Sample ID: / Date Collected:	NYSDEC TOGS	MW-06-10 08/09/06	MW-06-10R 08/10/06	MW-06-13R 08/10/06	MW-06-15R 08/09/06
VOCs					
1,1,1-Trichloroethane	5	5 U	5 U	5 U [5 U]	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U [5 U]	5 U
1,1,2-Trichloroethane	1	5 U	5 U	5 U [5 U]	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U [5 U]	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U [5 U]	5 U
1,2-Dichloroethane	0.6	5 U	5 U	5 U [5 U]	5 U
1,2-Dichloropropane	1	5 U	5 U	5 U [5 U]	5 U
2-Butanone	50	25 U	25 U	25 U [25 U]	25 U
2-Hexanone	50	25 U	25 U	25 U [25 U]	25 U
4-Methyl-2-Pentanone	--	25 U	25 U	25 U [25 U]	25 U
Acetone	50	25 U	3.9 J	25 U [25 U]	9.3 J
Benzene	1	5 U	1.1 J	130 D [130 D]	57
Bromodichloromethane	50	5 U	5 U	5 U [5 U]	5 U
Bromoform	50	5 U	5 U	5 U [5 U]	5 U
Bromomethane	5	5 U	5 U	5 U [5 U]	5 U
Carbon Disulfide	60	5 U	3.4 J	5 U [5 U]	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U [5 U]	5 U
Chlorobenzene	5	5 U	5 U	5 U [5 U]	5 U
Chloroethane	5	5 U	5 U	5 U [5 U]	5 U
Chloroform	7	5 U	0.86 J	5 U [5 U]	1.1 J
Chloromethane	5	5 U	5 U	5 U [5 U]	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U [5 U]	5 U
cis-1,3-Dichloropropene	0.4	5 U	5 U	5 U [5 U]	5 U
Ethylbenzene	5	5 U	5 U	67 [70]	65
Methylene Chloride	5	5 U	5 U	5 U [5 U]	5 U
Styrene	5	5 U	5 U	5 U [5 U]	5 U
Tetrachloroethene	5	5 U	5 U	5 U [5 U]	5 U
Toluene	5	5 U	1 BJ	90 B [94 B]	56
trans-1,2-Dichloroethene	5	5 U	5 U	5 U [5 U]	5 U
trans-1,3-Dichloropropene	0.4	5 U	5 U	5 U [5 U]	5 U
Trichloroethene	5	5 U	5 U	5 U [5 U]	5 U
Vinyl Chloride	2	5 U	5 U	5 U [5 U]	5 U
Xylene (Total)	5	15 U	15 U	230 [240]	170
Total BTEX	--	ND	2.1 J	517 [534]	348
SVOCs					
2,4-Dinitrotoluene	5	9 U	10 U	20 U [20 U]	9 U
2,6-Dinitrotoluene	5	9 U	10 U	20 U [20 U]	9 U
2-Chloronaphthalene	10	9 U	10 U	20 U [20 U]	9 U
2-Methylnaphthalene	--	8 J	10 U	15 J [16 J]	80
2-Nitroaniline	5	47 U	48 U	100 U [98 U]	47 U
3,3'-Dichlorobenzidine	5	19 U	19 U	40 U [39 U]	19 U
3-Nitroaniline	5	47 U	48 U	100 U [98 U]	47 U
4-Bromophenyl-phenylether	--	9 U	10 U	20 U [20 U]	9 U
4-Chloroaniline	5	9 U	10 U	20 U [20 U]	9 U
4-Chlorophenyl-phenylether	--	9 U	10 U	20 U [20 U]	9 U
4-Nitroaniline	5	47 U	48 U	100 U [98 U]	47 U
Acenaphthene	20	2 J	10 U	9 J [10 J]	74
Acenaphthylene	--	9 U	10 U	2 J [2 J]	15
Anthracene	50	9 U	10 U	20 U [20 U]	14
Benzo(a)anthracene	0.002	9 U	10 U	20 U [20 U]	9 U
Benzo(a)pyrene	--	9 U	10 U	20 U [20 U]	9 U
Benzo(b)fluoranthene	0.002	9 U	10 U	20 U [20 U]	9 U
Benzo(g,h,i)perylene	--	9 U	10 U	20 U [20 U]	9 U
Benzo(k)fluoranthene	0.002	9 U	10 U	20 U [20 U]	9 U
bis(2-Chloroethoxy)methane	5	9 U	10 U	20 U [20 U]	9 U
bis(2-Chloroethyl)ether	--	9 U	10 U	20 U [20 U]	9 U
bis(2-chloroisopropyl)ether	5	9 U	10 U	20 U [20 U]	9 U
bis(2-Ethylhexyl)phthalate	5	9 U	10 U	20 U [20 U]	9 U
Butylbenzylphthalate	50	9 U	10 U	20 U [20 U]	9 U

See Notes on Page 3.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - AUBURN TANK PROPERTY

PRELIMINARY DATA

NEW YORK STATE ELECTRIC & GAS CORPORATION
AUBURN (McMASTER STREET) FORMER MGP SITE
AUBURN, NEW YORK

Sample ID: / Date Collected:	NYSDEC TOGS	MW-06-10 08/09/06	MW-06-10R 08/10/06	MW-06-13R 08/10/06	MW-06-15R 08/09/06
SVOCs (Cont'd.)					
Carbazole	--	9 U	0.5 J	10 J [10 J]	78
Chrysene	0.002	9 U	10 U	20 U [20 U]	9 U
Dibenz(a,h)anthracene	--	9 U	10 U	20 U [20 U]	9 U
Dibenzofuran	--	0.6 J	10 U	3 J [3 J]	47
Diethylphthalate	50	9 U	10 U	20 U [20 U]	9 U
Dimethylphthalate	50	9 U	10 U	20 U [20 U]	9 U
Di-n-butylphthalate	50	9 U	10 U	20 U [20 U]	9 U
Di-n-octylphthalate	50	9 U	10 U	20 U [20 U]	9 U
Fluoranthene	50	9 U	10 U	20 U [20 U]	9
Fluorene	50	1 J	10 U	3 J [3 J]	43
Hexachlorobenzene	0.04	9 U	10 U	20 U [20 U]	9 U
Hexachlorobutadiene	0.5	9 U	10 U	20 U [20 U]	9 U
Hexachlorocyclopentadiene	5	43 U	44 U	90 U [89 U]	43 U
Hexachloroethane	5	9 U	10 U	20 U [20 U]	9 U
Indeno(1,2,3-cd)pyrene	0.002	9 U	10 U	20 U [20 U]	9 U
Isophorone	50	9 U	10 U	20 U [20 U]	9 U
Naphthalene	10	10	10 U	160 [170]	1,700 D
Nitrobenzene	0.4	9 U	10 U	20 U [20 U]	9 U
N-Nitroso-di-n-propylamine	--	9 U	10 U	20 U [20 U]	9 U
N-Nitrosodiphenylamine	50	9 U	10 U	20 U [20 U]	9 U
Phenanthrene	50	1 J	10 U	2 J [2 J]	73
Pyrene	50	9 U	10 U	20 U [20 U]	5 J
Total PAHs	--	22 J	ND	191 J [203 J]	2,010 J
Metals					
Aluminum	--	200 U	200 U	200 U [200 U]	200 U
Antimony	3	20 U	20 U	20 U [20 U]	20 U
Arsenic	25	12.8	10 U	10 U [10 U]	12.5
Barium	1,000	478	75.8	32.5 [31.8]	357
Beryllium	3	2 U	2 U	2 U [2 U]	2 U
Cadmium	5	1 U	1 U	1 U [1 U]	1 U
Calcium	--	122,000	45,600	87,500 [85,600]	128,000
Chromium	50	4 U	20.7	4 U [4 U]	4 U
Cobalt	--	4 U	4 U	4 U [4 U]	4 U
Copper	200	10 U	10 U	10 U [10 U]	10 U
Cyanide, Total	200	10 U	10 U	10 U [10 U]	10 U
Iron	300	37,400	85.5	50.4 [50 U]	10,600
Lead	25	5 U	5 U	5 U [5 U]	5 U
Magnesium	35,000	27,400	9,140	56,000 [54,800]	25,300
Manganese	300	254	4.6	6.4 [6.3]	444
Mercury	0.7	0.2 U	0.2 U	0.2 U [0.2 U]	0.2 U
Nickel	100	10 U	10 U	10 U [10 U]	10 U
Potassium	--	11,700	9,660	4,060 [3,990]	14,600
Selenium	10	15 U	15 U	15 U [15 U]	15 U
Silver	50	3 U	3 U	3 U [3 U]	3 U
Sodium	20,000	76,800	7,210	8,140 [7,920]	152,000
Thallium	0.5	20 U	20 U	20 U [20 U]	20 U
Vanadium	--	5 U	17.4	5 U [5 U]	5 U
Zinc	2,000	10 U	10 U	10 U [10 U]	10 U

See Notes on Page 3.

TABLE 2 *PRELIMINARY DATA*

GROUNDWATER ANALYTICAL RESULTS - AUBURN TANK PROPERTY

NEW YORK STATE ELECTRIC & GAS CORPORATION
AUBURN (McMASTER STREET) FORMER MGP SITE
AUBURN, NEW YORK

Notes:

Results reported in micrograms per liter (ug/L); equivalent to parts per billion (ppb).
NYSDEC TOGS = New York State Department of Environmental Conservation Division of Water Technical and Operations Guidance Series (TOGS) No. 1.1.1. Revised March 12, 1998. Modified April 2000.
Values exceeding the NYSDEC TOGS Standards or Guidance Values are shaded.
NA = Not Analyzed.
ND = Not Detected.
-- = Not Available/Not Applicable.

Data Qualifiers:

B = The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
D = The reported concentration is based on a diluted sample analysis.
E (inorganics) = The reported value is estimated due to the presence of interference.
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Date Start/Finish: 5/1/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger

Sampler Size: 2" Split Spoon
Auger Size: 4 1/4" ID
Rig Type: CME-55 Truck Mount

Northing: 1068892.02
Easting: 823127.29

Casing Elevation: 675.76
Surface Elevation: 658.16
Borehole Depth: 8.3' bgs

Geologist: Jennifer Sandorf

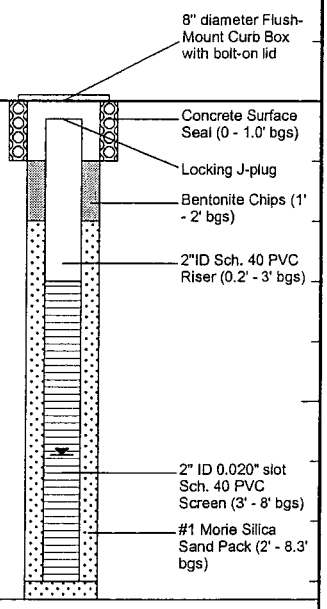
Well ID: MW-06-10

DRAFT

Client: New York State Electric and Gas

Location: McMaster Street
Auburn, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description
660 / 0									
655 / 5	1	0-2	24 26 13 9	39	0.8	0.1			Dark to light brown fine to medium SAND, little fine to medium Gravel, trace light orange Brick fragments, moderately loose, dry.
	2	2-4	7 14 16 16	30	1.2	45.4			Trace Silt below 2.0' bgs. Black fine to medium SAND, trace fine Gravel, trace Silt, faint fuel oil odor, dense, dry to moist.
	3	4-6	2 2 4 7	6	0.7	59.1			Brown with black mottling SILT, little Clay, trace to little medium to coarse Sand, trace Wood fragments, moderate odor, slightly plastic, moderately soft, moist to wet.
	4	6-8	9 10 3 3	13	0.6	17.7			Brown gray SILT, some medium to coarse angular Gravel, trace Wood fragments, no odor, slightly plastic, soft, wet.
650	5	8-8.3	2	NA	0.2	11.9			Gray ROCK fragments (Limestone), little Silt, wet.
10									
645									
15									



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Remarks:
bgs = below ground surface;
NA = Not Applicable/Not Available; AMSL = Above Mean Sea Level.

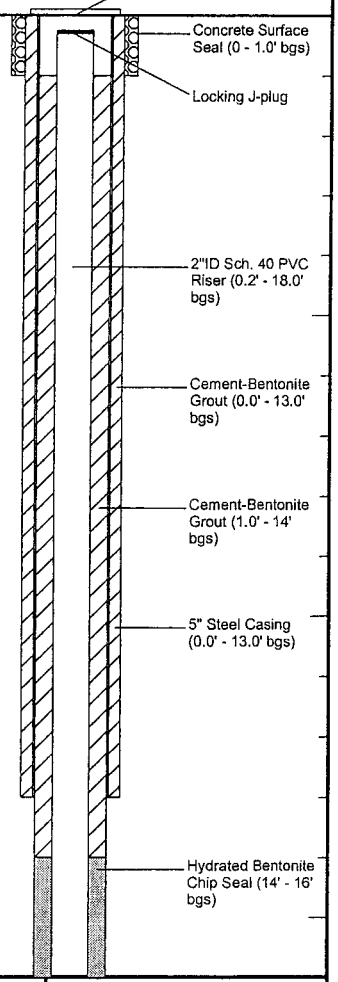
Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Date Start/Finish: 5/1,5,8/06	**Northing:** 1068893.37	**Well ID:** MW-06-10R	**DRAFT**
Drilling Company: Lyon Drilling	**Easting:** 823133.68		
Driller's Name: Harry Lyon		**Client:** New York State Electric and Gas	
Drilling Method: Hollow Stem Auger/ Rock Coring	**Casing Elevation:** 658.07		
Sampler Size: 2" Split Spoon/HQ Core Barrel	**Surface Elevation:** 658.36	**Location:** McMaster Street Auburn, NY	
Auger Size: 4 1/4" ID	**Borehole Depth:** 30' bgs		
Rig Type: CME-55 Truck Mount	**Geologist:** Jennifer Sandorf		

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description
660 / 0									
655 / 5									See MW-06-10 for soil descriptions. No sampling conducted to 8' bgs.
650 / 10	1	8-10	WOR 8 9.5 8	17.5	0.4	6.7			Dark gray fine to coarse SAND, little Silt, faint fuel oil odor, dense, wet. Trace light brown coarse sub-angular Gravel at bottom.
	2	10-11	14 39	39	0.5	0.1			Light gray brown ROCK fragments (Limestone), trace Silt, no odor, moderately loose, wet.
	3	11-13	NA	41	1.7	0.0		hz/f	Broken zone from 11' - 11.7' bgs. Medium blue gray LIMESTONE, slightly fractured, fresh to slightly weathered, slightly hard. Broken zone.
645 / 15	4	13-18	NA	51	4.7	0.0		hz/sw hz/sw hz/f	Blue gray LIMESTONE, laminated with light gray and dark gray bands, hard. Broken zone from 13.4' - 13.9' bgs.



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Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Client:
New York State Electric and Gas

Site Location:
McMaster Street
Auburn, NY

Well ID: MW-06-10R

Borehole Depth: 30' bgs

DRAFT

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description
	4	13-18	NA	51	4.7	0.0		hz/f v/f v/f hz	Blue gray LIMESTONE, laminated with light gray and dark gray bands, hard.
640								hz hz	Blue gray LIMESTONE, laminated with light gray and dark gray bands, hard. Broken zone from 18.5' - 18.6' bgs.
20	5	18-23	NA	98	4.7	0.0		hz/f	Possible mechanical break along un-opened vertical fracture, fresh.
								hz/f	
635								hz/f	Blue gray LIMESTONE, slightly laminated, hard.
								hz/f	
25	6	23-28	NA	85	5.4	0.0		hz/f	
								hz/sw hz/sw	Broken zone from 26.4' - 26.5' bgs.
								hz/f	Top of vertical fracture.
630	7	28-30	NA	81	1.85	0.0		hz/f hz/f	Blue gray LIMESTONE, slightly laminated, hard. Broken zone from 28' - 28.2' bgs.
30								hz/f hz/f	
625									
35									

Well Construction

- 2"ID Sch. 40 PVC Riser (0.2' - 18.0' bgs)
- #1 Morie Silica Sand Pack (16.0' - 28.0' bgs)
- 2" ID 0.020" slot Sch. 40 PVC Screen (18.0' - 28.0' bgs)
- 2"ID Sch. 40 PVC Sump (28.0' - 30.0' bgs)
- Cement-Bentonite Grout (28.0' - 30.0' bgs)

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Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Date Start/Finish: 5/3-4/06 **Drilling Company:** Lyon Drilling **Driller's Name:** Harry Lyon **Drilling Method:** Hollow Stem Auger/ Rock Coring **Sampler Size:** 2" Split Spoon/HQ Core Barrel **Auger Size:** 4 1/4" ID **Rig Type:** CME-55 Truck Mount	**Northing:** 1068998.38 **Easting:** 823113.04 **Casing Elevation:** 657.64 **Surface Elevation:** 658.12 **Borehole Depth:** 22' bgs **Geologist:** Jennifer Sandorf	**Well ID:** MW-06-11R **DRAFT** **Client:** New York State Electric and Gas **Location:** McMaster Street Auburn, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description
660									
0									Hand auger to 5' bgs. Fill includes yellow furnace Brick, Wire cable, Wood and Concrete.
655									
5	1	5-7	5 4 3 5	7	0.9	0.0			Dark gray fine to coarse SAND, some fine to medium Gravel, little Silt, trace Slag, red discoloration at 5.5' bgs, orange brown discoloration at 5.6' bgs, medium loose, moist to wet.
650	2	7-9	1 3 3 4	6	0.3	1.3			Trace red and orange brown discoloration, no slag, very faint odor, below 7' bgs. Dark gray SILT, some fine to medium Sand, moderately loose, wet.
	3	9-9.8	WOR 22/ 0.3	22/ 0.3	0.3	4.4			Gray ROCK fragments (Limestone), trace blebs of tar-like NAPL (<10% pore space) and silver sheen, loose, wet.
10	4	9.8-12	NA	44	2.5	0.0		hz hz	Blue gray LIMESTONE, slightly laminated, fresh to moderately weathered, slight odor, hard. Broken zone from 9.8' - 10.1' bgs. 1'-3' long fragments, sheen observed on fractured surface from 10.6' - 11.8' bgs. Blebs of brown oily tar-like NAPL on surface at 11.8' bgs.
645	5	12-17	NA	75	4.8	16.4		hz hz la la hz hz/sw hz/f hz/f	Blue gray LIMESTONE, slightly laminated, fresh to weathered, odor in tar-like NAPL zones, hard. 30 deg. fresh fracture no sheen or NAPL at 12.3' bgs.
15									

Well Construction

- 8" diameter Flush-Mount Curb Box with bolt-on lid
- Concrete Surface Seal (0 - 1.0' bgs)
- Locking J-plug
- Cement-Bentonite Grout (1.0' - 5' bgs)
- 2"ID Sch. 40 PVC Riser (0.2' - 9.0' bgs)
- Hydrated Bentonite Chip Seal (5' - 7' bgs)
- #1 Morie Silica Sand Pack (7.0' - 19.0' bgs)
- 2" ID 0.020" slot Sch. 40 PVC Screen (9.0' - 19.0' bgs)

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Remarks:
bgs = below ground surface; WOR = weight of rod
NA = Not Applicable/Not Available; AMSL = Above Mean Sea Level.
hz = horizontal; v = vertical; la = low angle; f = fresh; sw = slightly weathered.

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Client:
New York State Electric and Gas

Site Location:
McMaster Street
Auburn, NY

Well ID: MW-06-11R

Borehole Depth: 22' bgs

DRAFT

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description	Well Construction
640	5	12-17	NA	75	4.8	16.4		hz/f	Blue gray LIMESTONE, slightly laminated, fresh to weathered, odor in NAPL zones, hard.	2" ID 0.020" slot Sch. 40 PVC Screen (9.0' - 19.0' bgs)
								hz/f	Dark gray to light gray laminated LIMESTONE, fresh to slightly weathered, hard. Sheen and trace tar-like NAPL on hz breaks. No NAPL observed in unfractured zones.	#1 Morie Silica Sand Pack (7.0' - 19.0' bgs)
20	6	17-22	NA	100	4.7	1.6		hz		Cement-Bentonite Grout (19.0' - 22.0' bgs)
								hz		2"ID Sch. 40 PVC Sump (19.0' - 22.0' bgs)
635										
25										
630										
30										
625										
35										

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Water Level Data

Date	Depth	Elev.

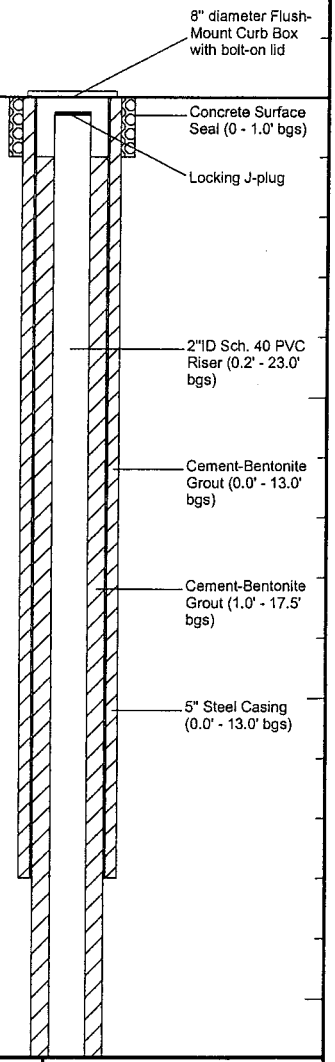
Depth measured from top of casing.

Date Start/Finish: 6/12/06 - 6/16/06
Drilling Company: Lyon Drilling
Driller's Name: Harry Lyon
Drilling Method: Hollow Stem Auger/ Rock Coring
Sampler Size: 2" Split Spoon/HQ Core Barrel
Auger Size: 4 1/4" ID
Rig Type: CME-55 Truck Mount

Northing: 1068974.52
Easting: 823018.83
Casing Elevation: 657.58
Surface Elevation: 658.20
Borehole Depth: 35' bgs
Geologist: Jennifer Sandorf

Well ID: MW-06-13R **DRAFT**
Client: New York State Electric and Gas
Location: McMaster Street Auburn, NY

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description
660 / 0									
	1	0-2'	2 3 2 2	5	0.7	0.0			Dark brown to brown fine to medium SAND, some Silt, trace fine to medium Gravel, trace Roots, moderately loose, dry.
									Light brown SILT, little fine to medium Sand, trace Clay, stiff, very slightly plastic, dry.
									Pale red BRICK fragments.
655	2	2-4'	2 10 10 12	20	0.8	0.0			Reddish-brown fine to coarse SAND, trace Silt, trace Slag, moderately loose, dry to moist.
5	3	4-6'	4 5 13 9	NA	1.1	0.0			Brown fine to coarse SAND, little fine to coarse Gravel, trace Silt, trace reddish-brown Slag, trace crumbly white rock fragment, trace Roots, moist to wet.
									Dark gray-brown fine to coarse SAND, loose, wet.
									Red BRICK fragments, loose, wet.
	4	6-8'	WOR 5 3 1	8	0.9	0.0			Light brownish-gray SILT, trace red Brick fragments, little fine to medium Sand, slightly stiff, slightly plastic, wet.
									Gray fine to coarse SAND, trace Silt, loose, wet.
650	5	8-10'	1 WOH 6 18	6	0.9	0.0			Dark brown-gray to dark gray fine to coarse SAND, trace weathered red Brick fragments, slight trace black sticky material with coal tar-like odor at bottom of spoon, just above gray broken rock fragments, moderately loose, wet.
10	6	10-11'	50/ 0.2	NA	0.2	0.0			Dark gray ROCK fragments (Limestone), little Silt, little fine to medium Sand, dense to very dense, faint coal tar-like odor, wet. Spoon refusal at 10.2' bgs. Augered through to 11' bgs.
	7	11-13'	NA	0%	1.1	0.0			Blue gray LIMESTONE, laminated with light gray and dark gray bands, fresh to moderately weathered fractures, hard. All pieces are less than 4". Trace spots (~eraser head-size) of brown oily NAPL at approx. 11.5' bgs.
645									
15	8	13-18'	NA	89.2%	4.8	0.0		hz/f hz/f	Blue gray LIMESTONE, laminated, fresh to moderately weathered fractures, hard. Slight sheen and brown oily NAPL at 13' bgs, but no visible sheen or NAPL below. Vertical fractures 13.3-13.8', 15.1-15.9', 16.2-16.3'.



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Remarks:
bgs = below ground surface; WOH = Weight of Hammer; WOR = Weight of Rods;
NA = Not Applicable/Not Available; AMSL = Above Mean Sea Level.
hz = horizontal; v = vertical; la = low angle; ha = high angle; f = fresh; sw = slightly weathered.

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Client:
New York State Electric and Gas

Site Location:
McMaster Street
Auburn, NY

Well ID: MW-06-13R

Borehole Depth: 35' bgs

DRAFT

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description	Well Construction
	8	13-18'	NA	89.2%	4.8	0.0		hz/f hz/f hz/f la/f	Blue gray LIMESTONE, laminated, fresh to moderately weathered fractures, hard. Vertical fractures 13.3-13.8', 15.1-15.9', 16.2-16.3'.	2"ID Sch. 40 PVC Riser (0.2' - 23.0' bgs)
640									Blue gray LIMESTONE, laminated, fresh to moderately weathered fractures, hard, no NAPL or sheen.	Hydrated Bentonite Chip Seal (17.5' - 20.7' bgs)
20	9	18-23'	NA	96%	5.0	0.0		hz/f hz/f hz/f hz/f		#1 Morie Silica Sand Pack (20.7' - 33.25' bgs)
635									Blue gray LIMESTONE, laminated, fresh to moderately weathered fractures, hard, no NAPL or sheen. Near-vertical fracture 25.35-26.3'.	
25	10	23-28'	NA	99%	5.2	0.0		hz hz hz hz		2" ID 0.020" slot Sch. 40 PVC Screen (23.0' - 33.0' bgs)
630								hz	Blue gray LIMESTONE, laminated, fresh to moderately weathered fractures, hard, no NAPL or sheen. 45 degree fracture 29.45-29.7'. Broken zone 32-32.25'. Unopened hz fracture at 32.65'.	
30	11	28-33'	NA	72%	5.0	0.0		hz hz hz hz hz		
625								hz	Blue gray LIMESTONE, laminated, fresh to moderately weathered fractures, hard, no NAPL or sheen. 45 degree fracture 34.55-34.75'.	2"ID Sch. 40 PVC Sump (33.0' - 35.0' bgs)
	12	33-35'	NA	81.5%	1.9	0.0		hz		Cement-Bentonite Grout (33.25' - 35.0' bgs)
35								hz		

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Remarks:
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NA = Not Applicable/Not Available; AMSL = Above Mean Sea Level.
hz = horizontal; v = vertical; la = low angle; ha = high angle; f = fresh; sw = slightly weathered.

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

DRAFT

Date Start/Finish: 7/25/06 - 7/27/06	**Northing:** 1068967.01	**Well ID:** MW-06-15R	
Drilling Company: Lyon Drilling	**Easting:** 823115.04		
Driller's Name: Harry Lyon		**Client:** New York State Electric and Gas	
Drilling Method: Hollow Stem Auger/ Rock Coring	**Casing Elevation:** 657.88		
	Surface Elevation: 658.30		
Sampler Size: 2" Split Spoon/HQ Core Barrel	**Borehole Depth:** 24' bgs		
Auger Size: 4 1/4" ID		**Location:** McMaster Street Auburn, NY	
Rig Type: CME-55 Truck Mount	**Geologist:** Jennifer Sandorf		

Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description	Well Construction
660										8" diameter Flush-Mount Curb Box with bolt-on lid
0	1	0-2'	11, 16, 13, 14	29	1.2	0.0			Light gray-brown fine to coarse angular GRAVEL FILL, some fine to coarse Sand, medium dense, dry.	Concrete Surface Seal (0 - 1.0' bgs)
									Red BRICK fragments.	Locking J-plug
									Brown fine to coarse SAND, little Silt, trace fine to medium Gravel, trace black Coal fragments, medium dense, dry.	
	2	2-4'	3, 4, 50/0.5	54	0.9	18.7			As above, no Coal fragments.	
655									Red BRICK fragments, dry.	
									Light brown Silty CLAY, slightly stiff, plastic, dry.	
	3	4-6'	1, 2, 1, 2	3	0.7	7.7			Gray to black CINDERS, BRICK, ASH, and GRAVEL, moist, slight odor. Refusal on Concrete - moved to another location.	2"ID Sch. 40 PVC Riser (0.2' - 12.0' bgs)
5									Brown Silty CLAY, trace red Brick fragments, trace Wood, slightly plastic, moderately soft, dry.	
									Brown fine to coarse SAND, little Cinders, moderately loose, moist to wet, faint odor.	
	4	6-8'	2, 2, 1, 2	3	1.0	24.5			Light gray-brown Clayey SILT, slightly plastic, moderately soft, moist.	Cement-Bentonite Grout (0.0' - 11.5' bgs)
									As above, lens from 6.3-6.5' bgs of fine to coarse SAND, moderately loose, wet.	Cement-Bentonite Grout (1.0' - 8.0' bgs)
650									Gray-brown fine SAND and SILT, moderately loose, faint odor (fuel oil-like), wet.	
	5	8-9.4'	1, 1, 50/0.4	51/0.4	0.6	0.5			Brown SILT, trace red Brick fragments, trace Wood, trace fine Gravel, plastic, soft, wet.	Hydrated Bentonite Chip Seal (8.0' - 10.0' bgs)
10									Brown fine SAND and SILT, trace Rock fragments at bottom of spoon, moderately loose, wet.	5" Steel Casing (0.0' - 11.5' bgs)
	6	9.5-11.5'	NA	62%	1.85	0.0		hz/f hz/f hz/sw hz/sw	Blue gray LIMESTONE, laminated, fresh to slightly weathered fractures, hard. High angle fractures 9.5-9.7' and 9.7-9.8' bgs.	
								ha hz/f hz/f	Blue gray LIMESTONE, laminated, fresh to weathered fractures, hard. Vertical fracture 11.5-13' bgs. Broken zone 13.5-13.8' bgs with trace coal tar-like material on surfaces. Slight trace tar-like NAPL on fracture at 14.3'.	
645	7	11.5-16.5	NA	92%	4.8	6.7				2" ID 0.020" slot Sch. 40 PVC Screen (12.0' - 22.0' bgs)
15								hz/f	Blue gray LIMESTONE, laminated, fresh to weathered fractures, hard. Vertical fracture 11.5-13' bgs.	#1 Morie Silica Sand Pack (10.0' - 22.0' bgs)

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Remarks:

bgs = below ground surface; NA = Not Applicable/Not Available; AMSL = Above Mean Sea Level.
Seven attempts made to penetrate this area. Possible dry well or buried tank here. Well located in test pit TP-06-16.
hz = horizontal; v = vertical; la = low angle; ha = high angle; f = fresh; sw = slightly weathered.

Water Level Data

Date	Depth	Elev.
7/31/06	5.12'	

Depth measured from top of casing.

Client:
New York State Electric and Gas

Site Location:
McMaster Street
Auburn, NY

Well ID: MW-06-15R

Borehole Depth: 24' bgs

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Depth (ft. bgs) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Blows per 6 Inches	N - Value / RQD (%)	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Bedrock Fractures	Stratigraphic Description	Well Construction
	7	11.5-16.5'	NA	92%	4.8	6.7		hz/f	surfaces. Slight trace tar-like NAPL on fracture at 14.3'.	
								hz/f ha	Blue gray LIMESTONE, laminated, fresh to slightly weathered fractures, hard. Vertical fracture 16.7-17' bgs with slight trace tar-like NAPL on surface.	
640								hz/f hz/f hz/sw		
	8	16.5-21.5'	NA	78%	5.1	4.1				
20								hz/f hz/f		
								hz/sw	Blue gray LIMESTONE, laminated, freshly weathered fractures, hard. Broken zone 22.8-22.9' bgs.	
	9	21.5-24'	NA	86%	2.5	0.0		hz/f		
635										
25								hz/f		
630										
30										
625										
35										

2" ID 0.020" slot Sch. 40 PVC Screen (12.0' - 22.0' bgs)

#1 Morie Silica Sand Pack (10.0' - 22.0' bgs)

2"ID Sch. 40 PVC Sump (22.0' - 24.0' bgs)

Cement-Bentonite Grout (22.0' - 24.0' bgs)

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Remarks:
bgs = below ground surface; NA = Not Applicable/Not Available; AMSL = Above Mean Sea Level.
Seven attempts made to penetrate this area. Possible dry well or buried tank here. Well located in test pit TP-06-16.
hz = horizontal; v = vertical; la = low angle; ha = high angle; f = fresh; sw = slightly weathered.

Water Level Data

Date	Depth	Elev.
7/31/06	5.12'	

Depth measured from top of casing.

Project: 13049.005 Template: J:\rockware\LogPlot 2001\LogFiles\13049\Well2005BRnew.ldf
Data File:MW-06-15R.dat Date: 8/2/06

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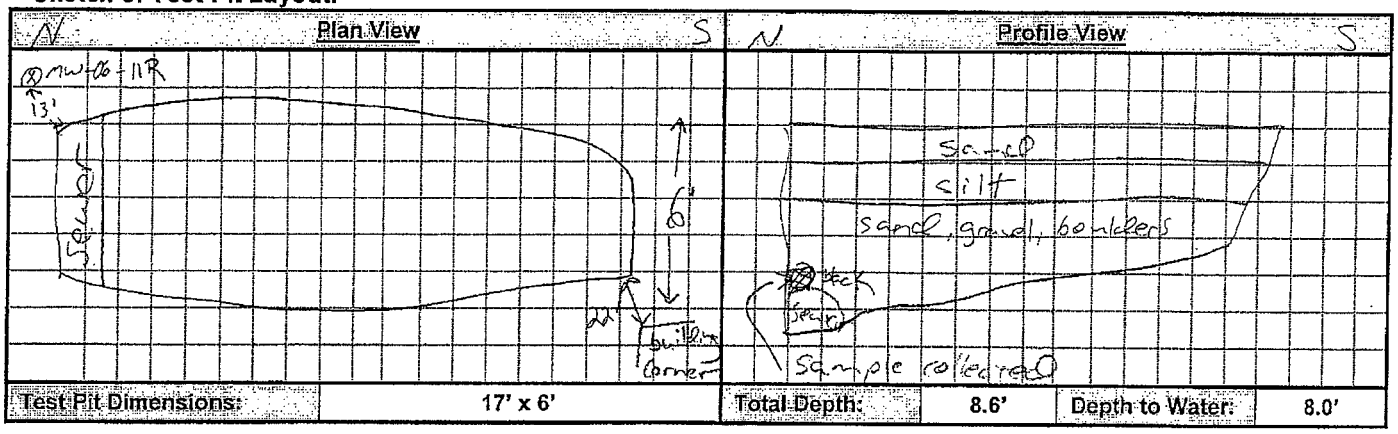
Test Pit Log

Test Pit ID: TP-06-13

Client:	NYSEG	**Date:**	6/13/06
Project:	McMaster St	**Weather:**	Cloudy
Location:	Auburn, NY	**Temperature:**	60's
Project #:	13049.005	**Wind:**	Light breeze
Geologist:	Jennifer Sandorf	**Subcontractor:**	Lyon Drilling
Coordinates:	NA	**Equipment:**	John Deere 310G backhoe

Sketch of Test Pit Layout:



Test Pit Dimensions:	17' x 6'	**Total Depth:**	8.6'	**Depth to Water:**	8.0'

Depth Interval (feet)	PID Screening Result (ppm)	Description of Soil/Material	Samples Collected
0-1.5'	0.0	Brown to dark brown fine to coarse SAND, trace Concrete fragments, trace red Bricks, dry.	
1.5-3.5'	0.0	Red-brown SILT, trace Bricks, moist.	
3.5-8.6'	0.0	Dark brown, large Cobbles and Boulders, Wood timers, fine to coarse Sand and Gravel, moist to wet. Water coming in at 8' bgs. Black-stained material located approx. 0.5' above sewer pipe, saturated. Bedrock refusal at NE corner at approx. 9' bgs.	Collect sample at 7.5' bgs of black-stained material with coal tar-like odor.

Notes:

bgs = below ground surface; NA = Not Available/Not Applicable.

Photograph Summary:

#1	Shows sewer line at N end of TP.
#2	Close-up of photo #1.
#3	Water at bottom of TP on top of sewer line. Sewer line not visible beneath water surface.
#4	NW side of TP
#5	
#6	
#7	
#8	
#9	
#10	

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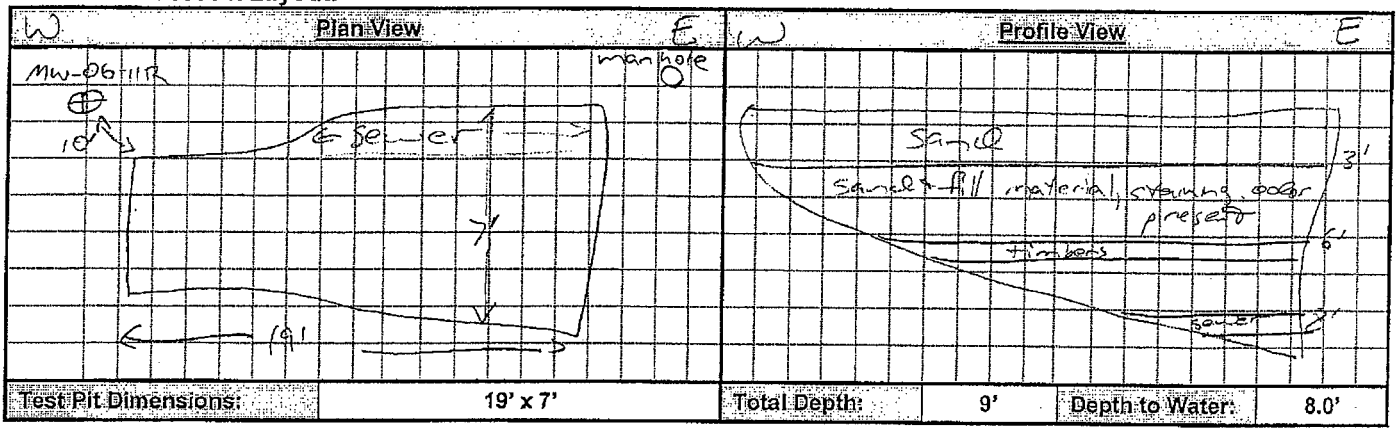
Test Pit Log

Test Pit ID: TP-06-14

Client:	NYSEG	**Date:**	6/13/06
Project:	McMaster St	**Weather:**	Mostly cloudy
Location:	Auburn, NY	**Temperature:**	Upper 60's
Project #:	13049.005	**Wind:**	Light breeze
Geologist:	Jennifer Sandorf	**Subcontractor:**	Lyon Drilling
Coordinates:	NA	**Equipment:**	John Deere 310G backhoe

Sketch of Test Pit Layout:



Test Pit Dimensions:	19' x 7'	**Total Depth:**	9'	**Depth to Water:**	8.0'

Depth Interval (feet)	PID Screening Result (ppm)	Description of Soil/Material	Samples Collected
0-3'	0.0	Brown fine to coarse SAND, some Silt, little Concrete boulder-size fragments, Timbers, red Bricks (fill), dry to moist.	
3-8	0.0	At 3', begin to see some black staining, slight MGP-type odor in fill material (as above). Trace roots (possible former ground surface).	
8-9	0.0	Water coming in on top of sewer pipe at 8' bgs. Approx. 8.5' bgs, top of boulders (just to S of sewer line). Trace sheen at 9' bgs, bedrock.	Collect sample at 9' bgs.

Notes:

bgs = below ground surface; NA = Not Available/Not Applicable.

Photograph Summary:

#1	Layer at ~3' bgs, begin to see impacted material.
#2	Hole left from large timber lying across TP.
#3	Water coming in just above sewer line, shows large timbers above sewer pipe at approx. 6' bgs.
#4	Close-up of sewer line at N end of TP.
#5	
#6	
#7	
#8	
#9	
#10	

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Test Pit Log

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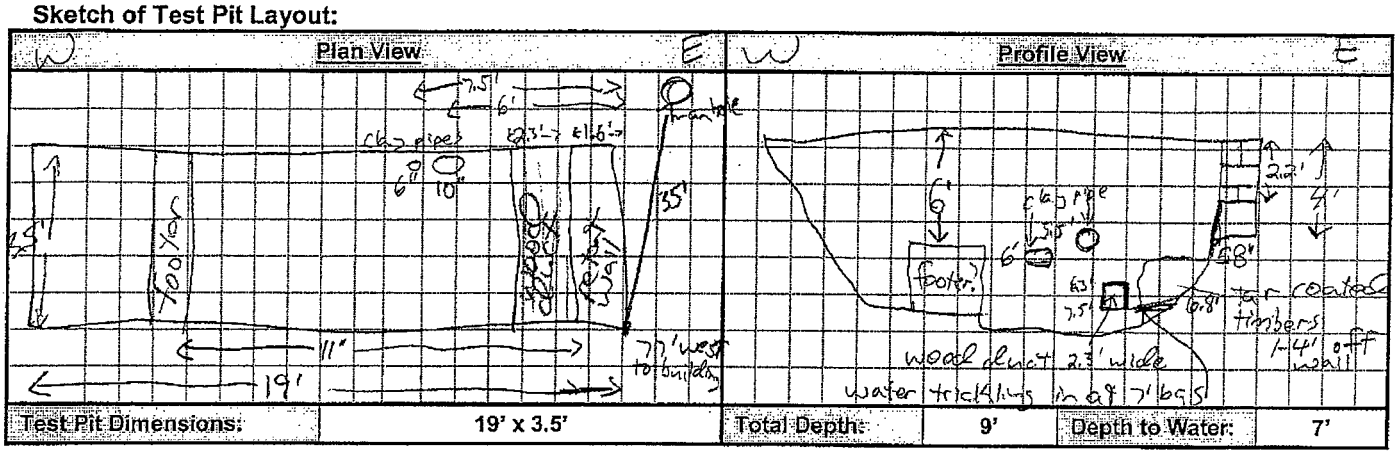
Test Pit ID: TP-06-15

Client:	NYSEG	**Date:**	6/14/06
Project:	McMaster St	**Weather:**	Sunny
Location:	Auburn, NY	**Temperature:**	60's
Project #:	13049.005	**Wind:**	Calm
Geologist:	Jennifer Sandorf	**Subcontractor:**	Lyon Drilling
Coordinates:	NA	**Equipment:**	John Deere 310G backhoe

Sketch of Test Pit Layout:



Test Pit Dimensions:	**19' x 3.5'**	**Total Depth:**	**9'**	**Depth to Water:**	**7'**

Depth Interval (feet)	PID Screening Result (ppm)	Description of Soil/Material	Samples Collected
0-1'	0.0	Gray-brown SAND and GRAVEL, some egg-sized Cobbles.	
1-3.5'	0.0	Dark brown SAND and SILT, trace Bricks, misc. fill (concrete, ash, metal, wood).	
3.5-5.8'	0.0	Yellow-brown SILT, trace Clay, trace medium to coarse Gravel, slightly plastic.	
5.8-7'	28.8	Tar-coated WOOD boards on E side of TP, just above possible wooden duct. Nothing observed inside duct. Concrete footer structure observed on W side of TP.	Collect sample at 6' bgs of black tarry material.
7-9'	28.8	Dark gray to black-stained SILT, some fine to coarse Sand, little Gravel and Cobbles, trace to little Wood, moderate coal tar-type odor, wet. Possible bedrock at ~9' bgs.	

Notes:

bgs = below ground surface; NA = Not Available/Not Applicable.

After photographing footer structure, backfilled west side of TP for safety and extended TP to east.
Wall at E side of TP is approx, 1,6' wide.
Masonry section of wall is 2.2' tall, exposed approx. 4' total of footer.

Photograph Summary:

#1	Concrete structure – east side, approx. 6' bgs, possible footer
#2	West side of photo 1
#3	Straight down view of photo 1
#4	Retort wall structure on E end of TP.
#5	Closeup of masonry
#6	.tar coated boards
#7	N end, clay tile pipe filled with black-stained sand
#8	S end of clay tile pipe, approx. 5.5' bgs.
#9	Now view 2 clay tile pipes
#10	Possible wooden duct pipe

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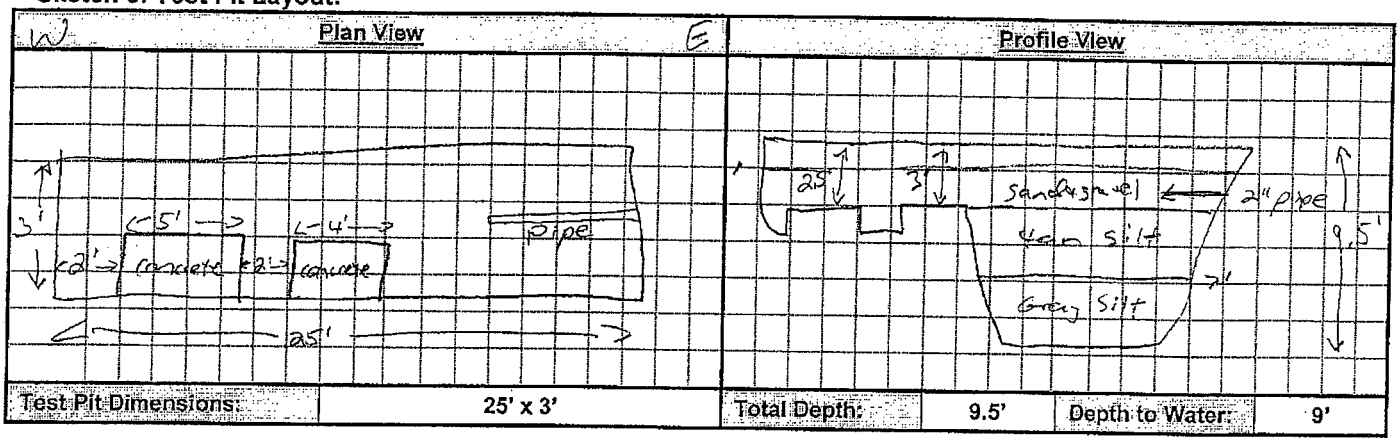
Test Pit Log

Test Pit ID: TP-06-16

Client:	NYSEG	**Date:**	6/14/06
Project:	McMaster St	**Weather:**	Mostly cloudy
Location:	Auburn, NY	**Temperature:**	~70
Project #:	13049.005	**Wind:**	Calm
Geologist:	Jennifer Sandorf	**Subcontractor:**	Lyon Drilling
Coordinates:	NA	**Equipment:**	John Deere 310G backhoe

Sketch of Test Pit Layout:



Test Pit Dimensions:	25' x 3'	**Total Depth:**	9.5'	**Depth to Water:**	9'

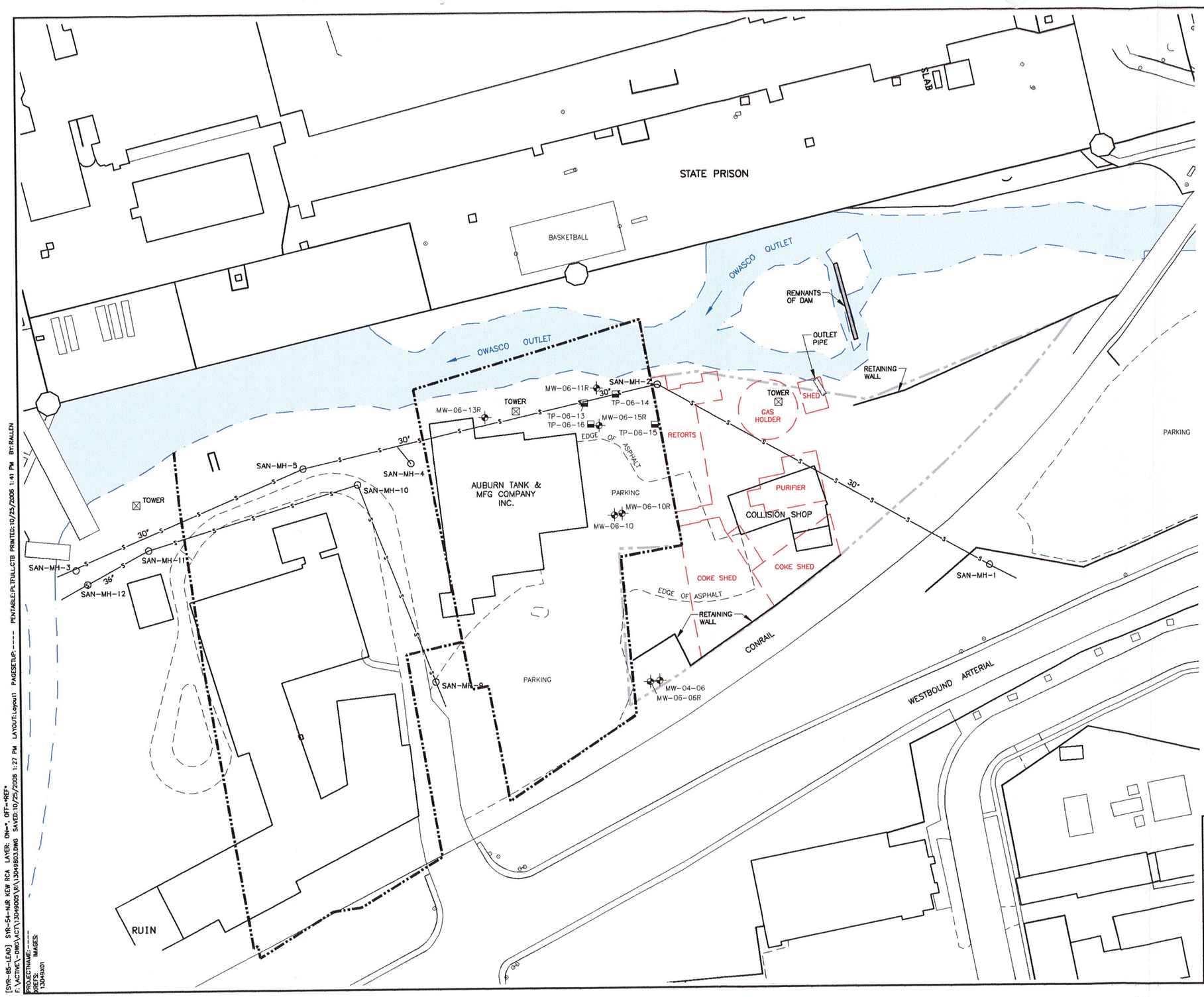
Depth Interval (feet)	PID Screening Result (ppm)	Description of Soil/Material	Samples Collected
0-1'	0.0	Gravel base – light gray SAND and GRAVEL, dense.	
1-3'	0.0	Brown SAND and GRAVEL, little red and pale orange Bricks, 2" pipe at 3' bgs coming in from E wall, plugged.	
3-7'	0.0	Tan, grading to gray, SILT.	
7-9.5'	7.8	Gray-stained SILT, wet, soft, moderate fuel oil-type odor. Possible bedrock at 9.5' bgs.	Collect sample at 8' bgs of gray material.

Notes:

bgs = below ground surface; NA = Not Available/Not Applicable.

Photograph Summary:

#1	E end of TP.
#2	Length of TP looking E – hole collapsed.
#3	Close-up of pipe area on E end.
#4	
#5	
#6	
#7	
#8	
#9	
#10	



LEGEND:

- MW-04-01 MONITORING WELL
- TP-04-01 TEST PIT
- WATER EDGE
- SITE BOUNDARY
- HISTORICAL MGP STRUCTURE
- SANITARY PIPELINE
- SAN-MH-1 SANITARY MANHOLE

NOTES:

1. BASE MAP PREPARED BY MERGING SITE HISTORICAL LOCATIONS FROM ELECTRONIC CADD FILE PROVIDED BY NYSEG ON 2/18/04, NAMED AUBMCMAS.DWG. INTO FILE NAMED BASE_MAP.DWG, ALSO PROVIDED BY NYSEG ON 2/18/04. LAST REVISION DATE AND COORDINATE POSITIONING OF THESE FILES UNKNOWN.
2. SANITARY LINE AND MANHOLE LOCATIONS BASED ON SURVEY PROVIDED BY NYSEG ON 5/31/06.
3. PROPERTY LINES FOR AUBURN TANK AND AUBURN TRADING POST PROPERTY DIGITIZED FROM TAX MAP 115.52-1, PROVIDED BY NYSEG ON 10/18/06.

0 80' 160'

GRAPHIC SCALE

NEW YORK STATE ELECTRIC & GAS
AUBURN (McMASTER STREET) FORMER MGP SITE
REMEDIAL INVESTIGATION

MONITORING WELL AND TEST PIT LOCATIONS ON AUBURN TANK PROPERTY

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FIGURE 1