

APPENDIX A

BORING LOGS

BORING NO. : BMW-04-01

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1153926.01 EASTING: 1118270.32
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 606.82
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 1/31/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 2/4/2005
TOTAL DEPTH DRILLED:	70.00	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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0	605						FILL: 12" Thick Concrete Pad, over Gravel sub base.	
		S-01	100				SW-SM: Medium Dense, Red Brown, Silty Fine to Medium Sand. Dilatent.	Wet at 3.5'.
		S-02	100					
-5	600	S-03	90					
		S-04	90					
-10	595	S-05	90				SP-SM: Medium Dense, Red Brown, Silty Fine Sand, with faint gray banding.	
		S-06	60					
		S-07	90				SW-SM: Dense, Red Brown, Silty Fine Sand, some fine to coarse subangular gravel, trace to some coarse sand, trace clay. Faint gray banding.	
-15	590	S-08	90					
		C-01	NR	NR			SP-SM: Dense, Red Brown, Silty Fine Sand and Boulders. (TILL)	
-20	585	C-02	100	91			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments.	

COMMENTS: Lost 450 gallons of water while coring. Began losing water after 35.5'. Casing grouted in place to 25'.

Open Rock Hole from 25'-70'.

BORING NO. : BMW-04-01

BORING NO. : BMW-04-01

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	580	C-03	100	100				
-30	575	C-04	100	100				
-35	570	C-05	100	91			DECEW DOLOMITE: Hard, medium gray, fine grained dolomite.	
-40	565	C-06	100	100				
-45	560	C-07	100	100			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Weathered/Broken fractures from 52.6'-52.7', 56.9'-57.0', and 59.4'-59.5'.	MGP Odor and Sheen noted on core from 52.6'-52.7'.
-50	555	C-08	100	98				
-55	550	C-09	100	92				

COMMENTS: Lost 450 gallons of water while coring. Began losing water after 35.5'. Casing grouted in place to 25'.

Open Rock Hole from 25'-70'.

BORING NO. : BMW-04-01

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-60	545	C-10	100	85				
-65	540	C-11	100	84				
-70	535							

COMMENTS: Lost 450 gallons of water while coring. Began losing water after 35.5'. Casing grouted in place to 25'.

Open Rock Hole from 25'-70'.

BORING NO. : BMW-04-01

BORING NO. : BMW-04-02

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1154173.55 EASTING: 1118093.58
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 594.42
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 3/16/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 3/22/2005
TOTAL DEPTH DRILLED:	59.70	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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0	590	S-01	50				FILL: Asphalt Road Surface over gravel sub base.	Dry Very Moist to Wet
		S-02	5				FILL: Medium Dense, Gray to Red Brown, Silt, some coarse sand to coarse angular gravel. Very Gravelly 2.5-5.0'.	
-5	585	S-03	0				FILL: Boulder/Cobble Zone.	Dry Very Moist, Gasoline odor.
		S-04	25				FILL: Medium Dense, Red Brown, Silt, some fine to coarse gravel and sand. Strong gasoline odor.	
-10	580	C-01	100	96			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments, few stylolites. Very Broken 9.0-9.2'. Finer grained seam from 16.65'-16.80'.	Gasoline odor at top of rock.
		C-02	100	90				
-15	575							
		C-03	100	100			DECEW DOLOMITE: Hard, medium gray, fine grained dolomite.	
-20	570						ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Very broken 25.3'-25.4'. Vertical fracture ~90 degrees from 58.65'-59.60'.	MGP odor on cores from 39.5'-59.7'. Coal Tar visible in fractures at 43.07', all fractures 44.5'-49.5' and 54.5-59.7'.
		C-04	100	90				

COMMENTS: Lost 100 gallons of water while coring. Began losing water after 44.5'. Casing grouted in place to 14'.
Open Rock Hole from 14'-59.7'.

BORING NO. : BMW-04-02

BORING NO. : BMW-04-02

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	565							
-30	560	C-05	100	100				
-35	555	C-06	100	85				
-40	550	C-07	100	94				
-45	545	C-08	100	86				
-50	540	C-09	100	95				
-55	535	C-10	100	67				

COMMENTS: Lost 100 gallons of water while coring. Began losing water after 44.5'. Casing grouted in place to 14'.

Open Rock Hole from 14'-59.7'.

BORING NO. : BMW-04-02

BORING NO. : BMW-04-02

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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COMMENTS: Lost 100 gallons of water while coring. Began losing water after 44.5'. Casing grouted in place to 14'.

Open Rock Hole from 14'-59.7'.

BORING NO. : BMW-04-02

BORING NO. : BMW-04-03

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1154338.45 EASTING: 1118140.78
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 594.07
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 2/9/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 2/16/2005
TOTAL DEPTH DRILLED:	75.00	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	590	S-01	75				FILL: Asphalt and gravel sub base.	Dry
		S-02	25				FILL: Medium Dense, Gray Brown, Silt, some fine to coarse gravel and coarse sand, trace glass.	Moist
		S-03	40				FILL: Medium Dense, Red Brown, Silty Fine Sand, trace clay, coal fragments, coarse gravel.	Very Moist
-5	585	S-04	25				FILL: Medium Dense, Gray to Red Brown, Silty Fine to Coarse Gravel with Clayey Silt layers.	Moist
-10	580	C-01	100	94			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments, trace stylolites, trace black banding.	
		C-02	100	100				
		C-03	100	100				
-15	575							
-20	570	C-04	100	100			DECEW DOLOMITE: Hard, medium gray, fine grained dolomite. Faint banding.	

COMMENTS: Lost 400 gallons of water while coring. Casing grouted in place to 13'. Open Rock Hole from 13'-75'.

BORING NO. : BMW-04-03

BORING NO. : BMW-04-03

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	565	C-05	100	92			<p>ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Trace calcite inclusions. Very Broken/weathered fractures at 37.80'-37.85', 38.30'-38.35', 45.0-45.2', 50.5'-50.6', and 54.25'-54.30'.</p>	
-30	560	C-06	100	93				
-35	555	C-07	100	84				
-40	550	C-08	100	100				Coal Tar visible in fracture at 37.80'-37.85'. Strong MGP odor.
-45	545	C-09	100	82				MGP odor noted in fractures at 45.0'-45.2' and 45.6'.
-50	540	C-10	100	86				MGP odor noted at 50.5'.
-55	535	C-11	100	73				MGP odor noted at 54.25'.

COMMENTS: Lost 400 gallons of water while coring. Casing grouted in place to 13'. Open Rock Hole from 13'-75'.

BORING NO. : BMW-04-03

BORING NO. : BMW-04-03

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-60	530	C-12	100	66			<p>ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium to light gray, very fine to fine grained clacareous shale rich in brachiopod-shell fragments. Very Broken/weathered fractures at 64.50'-64.20', 70.8'-70.9', and 73.38'-73.41'.</p>	<p>MGP odor and visible coal tar in all fracture from 60'-65'.</p> <p>Visible coal tar in fracture at 65.55'. No visible tar beneath this point, but slight odor continues to bottom of borehole.</p>
-65	525	C-13	100	85				
-70	520	C-14	100	82				
-75	515							

COMMENTS: Lost 400 gallons of water while coring. Casing grouted in place to 13'. Open Rock Hole from 13'-75'.

BORING NO. : BMW-04-03

BORING NO. : BMW-04-07

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1153162.89 EASTING: 1117517.89
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 610.54
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 2/25/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 3/1/2005
TOTAL DEPTH DRILLED:	86.00	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY: Mike Gutmann

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	610	S-01	25				FILL: Black Organic Rich Topsoil over Medium, Red Brown, Silt, some clay, trace to some coarse sand, trace fine gravel.	Moist
		S-02	70					
		S-03	50					
-5	605	S-04	75				ML: Medium, Red Brown, Silt, some clay, trace fine gravel.	Very Moist
		S-05	60				SM: Medium Dense, Red Brown, Silty Very Fine Sand, trace coarse sand and fine gravel. Dilatent.	Wet
-10	600	S-06	75				ML: Medium, Red Brown, Silt, some clay, some coarse sand, trace fine gravel.	Very Moist to Wet
		S-07	100				SW-SM: Medium Dense, Red Brown, Silty Very Fine Sand, some medium sand, trace fine round gravel, trace clay	
		S-08	25					
-15	595	S-09	60				SW-SM: Medium Dense, Red Brown, Silty Very Fine Sand, some coarse sand, occasional 0.2' interlayers of medium to coarse sand, some fine to coarse angular gravel. Dilatent.	Wet
		S-10	50					
-20	590	S-11	35					
		S-12	50					
		S-13	75					

COMMENTS: Estimated Water loss of 1400 gallons. Began losing 100% water at 36' with only occasional returns.

No MGP impacts indicated in this well. Casing grouted in place to 31'. Open Rock Hole from 31'-86'.

BORING NO. : BMW-04-07

BORING NO. : BMW-04-07

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	585	C-01	100	95			<p>GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. Trace Stylolites. Vertical fractures: ~90-60 degrees from 27.9'-29.1', 30 degrees at 34.4', and 80 degrees from 35.5'-36.8'.</p>	
-30	580	C-02	100	95				
-35	575	C-03	100	100				
-40	570	C-04	100	94				
-45	565	C-05	100	100			<p>ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Trace faint black banding. NOTE: Decew Dolomite appears to be locally absent. Vertical Fracture of 45 degrees at 47.6'.</p>	
-50	560	C-06	100	100				
-55	555							

COMMENTS: Estimated Water loss of 1400 gallons. Began losing 100% water at 36' with only occasional returns.
 No MGP impacts indicated in this well. Casing grouted in place to 31'. Open Rock Hole from 31'-86'.

BORING NO. : BMW-04-07

BORING NO. : BMW-04-07

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
		C-07	100	100				
-60	550							
		C-08	100	98				
-65	545							
		C-09	100	98				
-70	540							
		C-10	100	97				
-75	535							
		C-11	100	88				
-80	530							
		C-12	100	99				
-85	525							
							ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium to light gray, very fine to fine grained calcareous shale rich in brachiopod-shell fragments.	









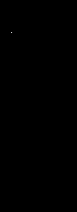
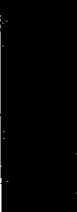
COMMENTS: Estimated Water loss of 1400 gallons. Began losing 100% water at 36' with only occasional returns.

No MGP impacts indicated in this well. Casing grouted in place to 31'. Open Rock Hole from 31'-86'.

BORING NO. : BMW-04-07

BORING NO. : BMW-04-08

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 2
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1153844.52 EASTING: 1118148.54
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 607.07
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 2/14/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 3/15/2005
TOTAL DEPTH DRILLED:	45.80	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	605	S-01	100				FILL: Medium, Dark Gray to Dark Brown, Silt, some clay, some fine to coarse gravel, trace coal fragments.	Moist
		S-02	60				FILL: Medium, Red Brown, Silt, trace to some fine angular gravel and coarse sand, trace clay.	
-5	600	S-03	30				SM: Medium Dense, Red Brown, Silty Very Fine Sand, trace to some coarse sand.	Very Moist
		S-04	50					
		S-05	50					Wet at 8'.
-10	595	S-06	0				SW: Medium Dense, Red Brown, Medium to Coarse Sand, some fine gravel, trace coarse gravel and silt.	
		S-07	60					
		S-08	100				SW-SM: Medium Dense, Red Brown, Silty Very Fine Sand, some coarse sand. Dilatent.	
-15	590	C-01	80	72			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. Few Stylolites. Voids from 17.0'-17.5' and 18.65'-19.15'. Fracture at 22.4' infilled with red brown silt.	
-20	585	C-02	100	100				

COMMENTS: Estimated Water loss of 50 gallons. Casing grouted in place to 20.5'. Open Rock Hole from 20.5'-45.8'.

BORING NO. : BMW-04-08

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 2

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	580	C-03	100	100				Possible slight MGP odor 25.5'-30.5'.
-30	575	C-04	100	100			DECEW DOLOMITE: Hard, medium gray, fine grained dolomite.	
-35	570	C-05	100	100			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Vertical fractures of 75 degrees from 37.5'-38.6', 75 degrees from 38.3'-39.6', and 90 degrees from 39.9'-40.2'.	
-40	565	C-06	100	100				
-45	560							

COMMENTS: Estimated Water loss of 50 gallons. Casing grouted in place to 20.5'. Open Rock Hole from 20.5'-45.8'.

BORING NO. : BMW-04-08

BORING NO. : BMW-04-09

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1153762.66 EASTING: 1117791.53
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 597.39
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 2/24/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 3/2/2005
TOTAL DEPTH DRILLED:	79.50	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	595	S-01	50				FILL: Medium, Dark Brown, Silt, some medium to coarse sand and fine to coarse angular gravel and coal fragments. Dolomite boulder from 4.5 to 5.5'.	Moist
		S-02	25					
		S-03	25					
-5	590	S-04	30				SM: Medium Dense, Red Brown, Silty Fine Sand, some angular coarse gravel, trace coarse sand and fine rounded gravel.	Wet at 8.0'.
		S-05	35					
-10	585	S-06	75				SW-SM: Dense, Silty Fine Sand and Medium Sand to coarse rounded gravel (TILL).	
		S-07	75					
		S-08	75					
-15	580	C-01	100	90			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. Few Styrolites and calcite infilled vugs. Very Broken from 15.5-16.0'.	
		C-02	100	100				
-20	575	C-03	100	100			DECEW DOLOMITE: sport Decew Contact (24.25').	

COMMENTS: Estimated Water loss of 50 gallons. Casing grouted in place to 20.5'. Open Rock Hole from 20.5'-79.5'.

BORING NO. : BMW-04-09

BORING NO. : BMW-04-09

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-60	535	C-10	100	100				Coal Tar visible in fracture at 56.8'.
-65	530	C-11	100	80				Coal Tar visible in fracture at 59.95'.
-70	525	C-12	100	88				Coal Tar visible in fracture at 61.85'. Coal Tar visible in fractures at 62.7' and 63.05'.
-75	520	C-13	100	82			ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium to light gray, very fine to fine grained calcareous shale rich in brachiopod-shell fragments. Very Broken from 77.55'-77.60'.	Coal Tar visible in fracture at 64.10'. No Coal Tar visible and no odor noted 64.5-79.5'.

COMMENTS: Estimated Water loss of 50 gallons. Casing grouted in place to 20.5'. Open Rock Hole from 20.5'-79.5'.

BORING NO. : BMW-04-09

BORING NO. : BMW-04-10

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1154495.997 EASTING: 1118075.445
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 592.27
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 4/6/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 4/7/2005
TOTAL DEPTH DRILLED:	65.00	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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0	590						NO SAMPLE	
-5	585							
-10	580							
-15	575							
-20	570							

COMMENTS: Hole reamed down to 45' and casing grouted in place. Open Rock Hole from 45'-65'.
 No samples collected 0-45'. Estimate 20 gallons water loss during coring. No odor or sheens observed during advancement

BORING NO. : BMW-04-10

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	565							
-30	560							
-35	555							
-40	550							
-45	545	C-01	100	70			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained calcareous shale with dolomite seams. Weathered Fractures at 47.05', 47.50', 51.80', 52.03', and 52.1'.	No Odor.
-50	540	C-02	100	82				
-55	535	C-03	98	76				

COMMENTS: Hole reamed down to 45' and casing grouted in place. Open Rock Hole from 45'-65'.

No samples collected 0-45'. Estimate 20 gallons water loss during coring. No odor or sheens observed during advancement

BORING NO. : BMW-04-10

BORING NO. : BMW-04-10

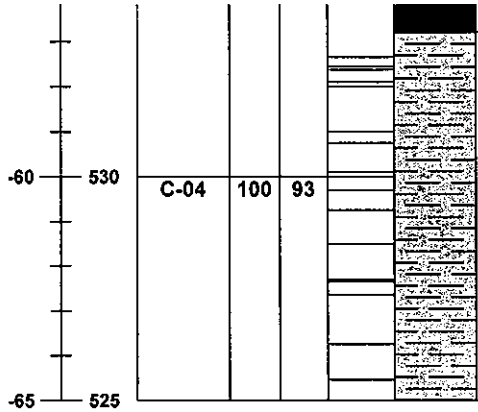
PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium to light gray, very fine to fine grained calcareous shale rich in brachiopod-shell fragments. Weathered Fractures at 57.9' and 62.3'.

No Odor.

C-04 100 93

COMMENTS: Hole reamed down to 45' and casing grouted in place. Open Rock Hole from 45'-65'.
 No samples collected 0-45'. Estimate 20 gallons water loss during coring. No odor or sheens observed during advancement

BORING NO. : BMW-04-11

PROJECT:	Lockport Former MGP Sites	SHEET:	1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. :	11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING:	1154010.15 EASTING: 1118273.17
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION:	606.17
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED:	3/21/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED:	3/24/2005
TOTAL DEPTH DRILLED:	60.00	DRILLER:	Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST:	Robert Murphy
		REVIEWED BY:	

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	605						NO SAMPLE	
-5	600							
-10	595							
-15	590							
-20	585							

COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 38.2', Open Rock Hole from 38.2'-60.0'.
See MW-06 for lithologic information from 0-38.2'.

BORING NO. : BMW-04-11

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	580							
-30	575							
-35	570							
-40	565	C-01	100	100			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Very Broken 47.40'-47.45' and 49.10'-49.15'. 60 degree vertical fracture from 45.8'-46.1'.	
		C-02	100	100				
-45	560	C-03	100	96				Sheen and MGP odor on core (45'-50').
-50	555	C-04	100	94				Slight MGP odor on breaks 50'-55'.
-55	550	C-05	88	56				Coal Tar begins coming out in return water at 56'. Difficulty

COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 38.2', Open Rock Hole from 38.2'-60.0'.

See MW-06 for lithologic information from 0-38.2'.

BORING NO. : BMW-04-11

BORING NO. : BMW-04-11

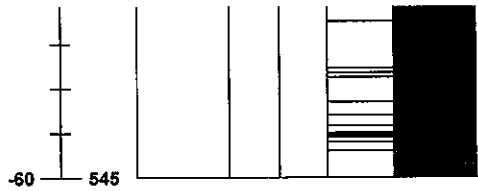
PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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recovering Core Run. When Drillers went back down to grab remainder of core run, significant MGP product with strong benzene odor came out with return water. Core was stained.

COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 38.2', Open Rock Hole from 38.2'-60.0'.

See MW-06 for lithologic information from 0-38.2'.

BORING NO. : BMW-04-11

BORING NO. : BMW-04-12

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1154033.69 EASTING: 1118157.09
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 599.46
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 3/29/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 3/30/2005
TOTAL DEPTH DRILLED:	59.00	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	595						NO SAMPLE	
-5	590							
-10	585							
-15	580							
-20	575							

COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 39', Open Rock Hole from 39'-59.0'.
 See MW-10 for lithologic information from 0-39'.

BORING NO. : BMW-04-12

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	570							
-30	565							
-35	560							
-40	555	C-01	100	90			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Very broken/weathered at 45.8', 47.3-47.35', 53.80'-53.85', and 54.65'.	Slight sheen on return water, no odor on core.
-45	550	C-02	100	90				
-50	545	C-03	100	88				
-55	540	C-04	100	93				
								Coal Tar present in weathered zone from 47.30'-47.35'.
								Coal Tar present in weathered fracture from 53.80'-53.85'. No visible coal tar beneath this point in this borehole.

COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 39', Open Rock Hole from 39'-59.0'.

See MW-10 for lithologic information from 0-39'.

BORING NO. : BMW-04-12

BORING NO. : BMW-04-12

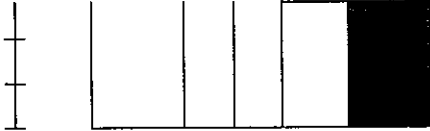
PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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COMMENTS: Negligible water loss during borehole advancement. Casing grouted in place at 39'. Open Rock Hole from 39'-59.0'.

See MW-10 for lithologic information from 0-39'.

BORING NO. : BMW-04-12

PROJECT:	Lockport Former MGP Sites	BORING NO.:	BMW-04-13
CLIENT:	New York State Electric and Gas	SHEET:	1 OF 3
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	JOB NO.:	11173975.84300
PROJECT LOCATION:	Lockport, New York	NORTHING:	1153975.589
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	EASTING:	1117555.412
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	GROUND ELEVATION:	585.37
TOTAL DEPTH DRILLED:	60.50	DATE STARTED:	4/27/2005
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	DATE FINISHED:	4/28/2005
		DRILLER:	Ryan Baye
		GEOLOGIST:	Robert Murphy
		REVIEWED BY:	

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	585						NO SAMPLE	
-5	580							
-10	575							
-15	570							
-20	565							

COMMENTS: Negligible water loss during coring of hole. No MGP impacts observed during the advancement of this boring.
 Casing grouted in place at 35.5', Open Rock Hole from 35.5'-60.5'. No samples collected 0-35.5'.

BORING NO. : BMW-04-13

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	560							
-30	555							
-35	550	C-01	100	97			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained calcareous shale with dolomite seams. Trace brachiopod fossils. Broken/Weathered Fractures at 37.0-37.5', 40.0', 40.1', 40.7' (iron stained), 42.45'-42.53' (with sulfur odor), 49.45', 50.40'.	
-40	545	C-02	100	86				
-45	540	C-03	100	96				
-50	535	C-04	100	100				
-55	530	C-05	100	100				
							ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium to light gray, very fine to fine grained calcareous shale rich in	

COMMENTS: Negligible water loss during coring of hole. No MGP impacts observed during the advancement of this boring.

Casing grouted in place at 35.5', Open Rock Hole from 35.5'-60.5'. No samples collected 0-35.5'.

BORING NO. : BMW-04-13

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-60	525						brachiopod-shell fragments.	

COMMENTS: Negligible water loss during coring of hole. No MGP impacts observed during the advancement of this boring.

Casing grouted in place at 35.5'. Open Rock Hole from 35.5'-60.5'. No samples collected 0-35.5'.

BORING NO. : BMW-04-13

URS Corporation

TEST BORING LOG

BORING NO. : BMW-04-14

PROJECT:	Lockport Former MGP Sites	SHEET: 1 OF 3
CLIENT:	New York State Electric and Gas	JOB NO. : 11173975.84300
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	NORTHING: 1153843.884 EASTING: 1118141.42
PROJECT LOCATION:	Lockport, New York	GROUND ELEVATION: 606.50
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	DATE STARTED: 4/25/2005
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE FINISHED: 4/27/2005
TOTAL DEPTH DRILLED:	66.50	DRILLER: Ryan Baye
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	605						NO SAMPLE	
-5	600							
-10	595							
-15	590							
-20	585							

COMMENTS: Negligible water loss during coring of hole. Casing grouted in place at 46.5', Open Rock Hole from 46.5'-66.5'.
 See BMW-04-08 for lithologic information from 0-46.5'.

BORING NO. : BMW-04-14

BORING NO.: BMW-04-14

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO.: 11173975.84300

DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	580							
-30	575							
-35	570							
-40	565							
-45	560							
-49.2		C-01	100	82			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained calcareous shale with dolomite seams. Very broken/weathered at 49.2', 49.3', 53.2', 57.6-57.75', 58.93'-59.0', 59.8', and 62.35'.	Slight MGP odor and sheen in fractures at 49.2 and 49.3'.
-49.3								
-51.5		C-02	100	100				No odor or sheen observed 51.5' to 56.5'.
-55	550							

COMMENTS: Negligible water loss during coring of hole. Casing grouted in place at 46.5', Open Rock Hole from 46.5'-66.5'.

See BMW-04-08 for lithologic information from 0-46.5'.

BORING NO.: BMW-04-14

BORING NO. : BMW-04-14

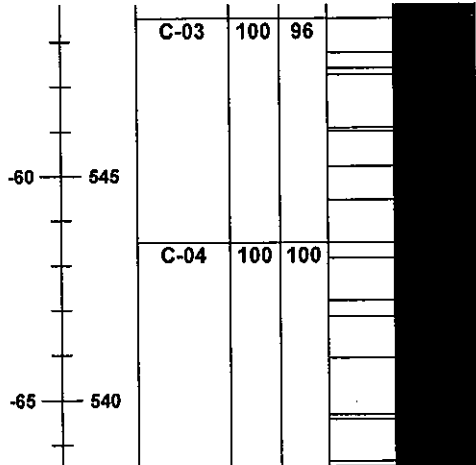
PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173975.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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C-03	100	96						
C-04	100	100						

MGP odor and slight sheen observed at 59.8'. No odor or sheen observed beneath this point.

COMMENTS: Negligible water loss during coring of hole. Casing grouted in place at 46.5', Open Rock Hole from 46.5'-66.5'.

See BMW-04-08 for lithologic information from 0-46.5'.

BORING NO. : BMW-04-14

URS Corporation

TEST BORING LOG

PROJECT:	Lockport Former MGP Sites	BORING NO. :	MW-02		
CLIENT:	New York State Electric and Gas	SHEET:	1 OF 2		
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	JOB NO. :	11173976.84300		
PROJECT LOCATION:	Lockport, New York	NORTHING:	1154123.077	EASTING:	1117945.281
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	GROUND ELEVATION:	574.44		
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	DATE STARTED:	4/26/2005		
TOTAL DEPTH DRILLED:	55.00	DATE FINISHED:	4/27/2005		
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	DRILLER:	Ryan Baye		
		GEOLOGIST:	Robert Murphy		
		REVIEWED BY:			

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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0	570	S-01	75				FILL: Concrete with 1/4" wire mesh. FILL: Silty Fine to Medium Sand and Gravel.	Very Moist
		S-02	10					
-5	565	C-01	100	88			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Faint black banding. Very broken/weathered at 9.3', 11.1', 23.05'-23.25', 33.75'-33.80', 35.65', 36.40'-36.48', and 38.95'.	Fuel like odor and sheen at 19.45'. Light Brown LNAPL blebs came out while coring this interval.
		C-02	100	100				
-10	560	C-03	100	100				
		C-04	100	96				
-15	555	C-05	100	90				
-20	550							

COMMENTS: Water loss was not recorded for this well, but is estimated to have been less than 100 gallons.

Casing grouted in place to 8'. Open Rock Hole from 8'-55'.

BORING NO. : MW-02

PROJECT: Lockport Former MGP Sites

BORING NO.: MW-02

CLIENT: New York State Electric and Gas

SHEET: 2 OF 2






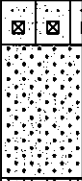



JOB NO.: 11173976.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	545	C-06	100	78				MGP and Gasoline odor during coring this interval. Coal tar visible on fracture at 25.7'.
-30	540	C-07	100	88				Slight MGP odor and sheen 30-35'.
-35	535	C-08	100	80				Coal Tar blebs Visible on a ll breaks 35'-40'.
-40	530	C-09	100	82				No MGP impacts observed 40'-45'.
-45	525	C-10	100	96			ROCHESTER SHALE - LEWISTON MEMBER: Medium hard, medium to light gray, very fine to fine grained calcareous shale rich in brachiopod-shell fragments. Very broken/weathered at 46.65' and 46.80'-46.85'.	Visible Coal Tar in fracture from 46.80'-46.85'. Strong MGP odor in weathered fracture at 47.25'.
-50	520	C-11	100	92				No MGP impacts observed 50'-55'.
-55	515							

COMMENTS: Water loss was not recorded for this well, but is estimated to have been less than 100 gallons.

Casing grouted in place to 8'. Open Rock Hole from 8'-55'.

PROJECT:	Lockport Former MGP Sites	BORING NO.:	MW-04
CLIENT:	New York State Electric and Gas	SHEET:	1 OF 3
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	JOB NO.:	11173976.84300
PROJECT LOCATION:	Lockport, New York	NORTHING:	1153719.75
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	EASTING:	1118334.77
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	GROUND ELEVATION:	627.09
TOTAL DEPTH DRILLED:	85.50	DATE STARTED:	2/8/2005
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	DATE FINISHED:	2/10/2005
		DRILLER:	Ryan Baye
		GEOLOGIST:	Robert Murphy
		REVIEWED BY:	

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	625	S-01	25				FILL: Loose, Dark Brown, Silt, trace clay, organic rich topsoil. FILL: Medium, Brown, Silty Clay, some coarse sand.	Very Moist
		S-02	25					
-5	620	S-03	50				FILL: Soft, Clayey Silt some black/ gray mottles, trace coarse sand, trace fine rounded gravel, trace organics (roots).	
		S-04	75					
		S-05	75				MH: Stiff, Brown to Red Brown, Clayey Silt, some medium sand to fine rounded gravel.	Moist
-10	615	S-06	90				SM: Very Dense, Red Brown, Silt, some fine to medium sand, trace coarse gravel, trace clay. Boulder from 14.5-18.0'.	
		S-07	75					
		S-08	100					Wet
-15	610							
		S-09	60				GM: Dense, Brown, Fine to Coarse Gravel and Silt.	
		S-10	90				SW: Medium Dense, Red Brown, Fine to Medium Sand, trace fine gravel, silt, and coarse sand.	
-20	605						MH: Very Soft, Brown, Fluid Silt, some clay, some coarse angular gravel.	
		S-11	25					

COMMENTS: Lost 40 gallons of water while coring. Casing grouted in place to 45.5'. Open Rock Hole from 45.5'-85.5'.

BORING NO. : MW-04

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	600							
		S-12	0					
-30	595	S-13	25				ML: Medium Stiff, Red Brown, Very Clayey Silt, trace to some coarse sand.	
		S-14	80				SM: Medium Dense, Red Brown, Silty Fine to Very Fine Sand, trace fine to coarse gravel. Dilatent.	
-35	590	S-15	100					
		S-16	100					
		S-17	75					
-40	585	C-01	88	80			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. Some black banding. Silted in void from 43.3' to 43.9'.	
-45	580	C-02	100	100				
-50	575	C-03	100	100				
-55	570	C-04	100	100			DECEW DOLOMITE: Hard, medium gray, fine grained dolomite.	

COMMENTS: Lost 40 gallons of water while coring. Casing grouted in place to 45.5'. Open Rock Hole from 45.5'-85.5'.

BORING NO. : MW-04

BORING NO. : MW-04

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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-60	565	C-05	100	100			<p>ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams.</p>	
-65	560	C-06	100	100				
-70	555	C-07	100	98				
-75	550	C-08	100	100				
-80	545	C-09	100	94				
-85	540							

COMMENTS: Lost 40 gallons of water while coring. Casing grouted in place to 45.5'. Open Rock Hole from 45.5'-85.5'.

BORING NO. : MW-04

PROJECT:	Lockport Former MGP Sites	BORING NO.:	MW-06
CLIENT:	New York State Electric and Gas	SHEET:	1 OF 2
BORING CONTRACTOR:	Soiltesting Inc.	JOB NO.:	11173976.84300
PROJECT LOCATION:	Lockport, New York	NORTHING:	1154010.67
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	EASTING:	1118266.9
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	GROUND ELEVATION:	605.81
TOTAL DEPTH DRILLED:	35.50	DATE STARTED:	2/01/05
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	DATE FINISHED:	3/14/05
		DRILLER:	Ryan Baye
		GEOLOGIST:	Robert Murphy
		REVIEWED BY:	

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	605						FILL: Asphalt and former brick road surface.	Dry
		S-01	90				FILL: Medium Stiff, Brown, Silt, some fine to coarse angular gravel, trace clay.	
		S-02	75				FILL: Medium Stiff, Brown, Silty Clay, to Clayey Silt, some coarse sand and fine to coarse gravel.	
-5	600	S-03	30				CL-ML: Stiff, Red Brown, Clayey Silt to Silty Clay, trace coarse sand.	
		S-04	60					Visible Coal tar product (Black to dark brown) and odor at 4.0' Moist. Dark gray Staining, sheen and MGP odor 7-8'.
		S-05	0				SM: Medium Dense, Brown, Silty Fine to Very Fine Sand, trace to some Coarse gravel, trace clay, trace coarse sand.	
		S-06	50					
		S-07	60					Very Moist to Wet
-10	595						SW-SM: Dense, Brown, Silty Fine Sand and Coarse Sand to Fine Gravel, some cobbles and boulders from 16.0' to 19.5' (TILL).	
		C-01	96	88			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray-pink, medium grained dolomite. Some crinoid stem fragments. Trace stylolites and faint black banding.	
		C-02	100	100				
-15	590							
-20	585							

COMMENTS: Lost 20 gallons of water while coring. Casing grouted in place to 24'. Open Rock Hole from 24'-35.5'.

BORING NO. : MW-06

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 2

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	580	C-03	100	100				
-30	575	C-04	100	88			<p>DECEW DOLOMITE: Hard, medium gray, fine grained dolomite.</p> <p>ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams.</p>	Some Tar blebs and MGP odor in return water when flushing at end of run.
-35	570							

COMMENTS: Lost 20 gallons of water while coring. Casing grouted in place to 24'. Open Rock Hole from 24'-35.5'.

BORING NO. : MW-06

URS Corporation

TEST BORING LOG

PROJECT: Lockport Former MGP Sites		BORING NO.: MW-09
CLIENT: New York State Electric and Gas		SHEET: 1 OF 3
BORING CONTRACTOR: American Auger & Ditching Co., Inc.		JOB NO.: 11173976.84300
PROJECT LOCATION: Lockport, New York		NORTHING: 1154184.81 EASTING: 1118513.68
DRILLING METHOD: Air Rotary/Wire Line Rotary Rock Coring		GROUND ELEVATION: 605.94
DRILL BIT SIZE/TYPE: 6" Air Hammer/HQ Core		DATE STARTED: 2/15/2005
TOTAL DEPTH DRILLED: 65.00		DATE FINISHED: 3/29/2005
DRILL RIG TYPE: Versa Drill V-2000 and/or Foremost CT-250		DRILLER: Ryan Baye
		GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	605						FILL: Asphalt and Gravel sub base	
							FILL: Fine to Coarse Gravel and Concrete pieces.	
		S-01	25				FILL: Medium Stiff, Red Brown, Clayey Silt, some coarse sand.	Moist
		S-02	100					
-5	600						SM: Silty Very Fine Sand, some coarse sand, trace fine rounded gravel, trace cobble (@ 8.5'). Dilatent.	Wet at 5.0'.
		S-03	10					
		S-04	10					
-10	595						SM: Medium Dense, Red Brown, Silty Fine Sand, trace clay stringers, trace fine round gravel. Dilatent.	
		S-05	25					
		S-06	100					
		S-07	100					
-15	590							
		S-08	75					
		S-09	75					
-20	585						ML: Stiff, Red Brown Clayey Silt, some fine angular gravel (TILL). Boulder from 20-20.5'.	Moist
		S-10	75					
		C-01	84	54			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. Trace stylolites. Very Broken from 21.0'-21.4' and 23.1'-23.3'.	

COMMENTS: Lost 40 gallons of water while coring. Casing grouted in place to 25.7'. Open Rock Hole from 25.7'-65.0'.

Comment2

BORING NO. : MW-09

BORING NO. : MW-09

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	580	C-02	100	96				
-30	575	C-03	100	90			DECEW DOLOMITE: Hard, medium gray, fine grained dolomite. 90 Degree Vertical Fracture from 32.10'-34.35'.	
-35	570	C-04	100	94				
-40	565	C-05	100	100			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams.	
-45	560	C-06	100	96				Coal Tar visible in fracture at 47.45'. Sheen on entire core 45'-50'.
-50	555	C-07	100	98				No Sheen, Slight Odor.
-55	550	C-08	100	93				Trace Sheen, Slight odor while coring 55'-60'.

COMMENTS: Lost 40 gallons of water while coring. Casing grouted in place to 25.7'. Open Rock Hole from 25.7'-65.0'.

Comment2

BORING NO. : MW-09

BORING NO. : MW-09

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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-60	545	C-09	100	100				No Odor, no Sheen on core from 60'-65'.
-65	540							

COMMENTS: Lost 40 gallons of water while coring. Casing grouted in place to 25.7'. Open Rock Hole from 25.7'-65.0'.

Comment2

BORING NO. : MW-09

PROJECT:	Lockport Former MGP Sites	BORING NO.:	MW-10
CLIENT:	New York State Electric and Gas	SHEET:	1 OF 2
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	JOB NO.:	11173976.84300
PROJECT LOCATION:	Lockport, New York	NORTHING:	1154032.17
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	EASTING:	1118132.41
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	GROUND ELEVATION:	598.71
TOTAL DEPTH DRILLED:	34.50	DATE STARTED:	2/22/2005
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	DATE FINISHED:	3/14/2005
		DRILLER:	Ryan Baye
		GEOLOGIST:	Robert Murphy
		REVIEWED BY:	

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	595	S-01	50				FILL: Medium Stiff, Brown, Silt, some gravel sized concrete, gravel, and coal pieces, trace clay.	Moist
		S-02	50				FILL: Medium Dense, Brown, Fine to Medium Sand.	Wet Very Moist Damp
-5	590	S-03	25				FILL: Loose, Red, Wood Chips	Moist
		S-04	10				FILL: Medium Stiff, Dark Gray, Organic silt, some fine gravel.	Wet at 6.0'. Predominant Sheen and MGP odor 6-8'.
		S-05	60				SM: Medium Dense, Red Brown, Silty Fine Sand, trace coarse sand. Dilatent.	
-10	585	S-06	25				SP-SM: Dense, Red Brown, Silt, some fine gravel and coarse sand (TILL).	
		C-01	100	85			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. Very Broken from 14.30'-14.45'.	Top of rock is impacted by coal tar. None visible in first core because of using air. When Rock socket was reamed coal tar and water noticed in hole.
-15	580	C-02	100	100				
-20	575	C-03	100	100				
		C-04	100	96				

COMMENTS: Lost 50 gallons of water while coring. Casing grouted in place to 18'. Open Rock Hole from 18'-34.5'.

BORING NO. : MW-10

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 2

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	570							
							DECEW DOLOMITE: Hard, medium gray, fine grained dolomite.	Coal Tar odor and blebs in return water while coring at 28.5. No odor on core itself.
-30	565	C-05	100	88			ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams.	Entire core exhibits sheen. Coal Tar odor and blebs in return water while coring at 33.5'.

COMMENTS: Lost 50 gallons of water while coring. Casing grouted in place to 18'. Open Rock Hole from 18'-34.5'.

BORING NO. : MW-10

PROJECT:	Lockport Former MGP Sites	BORING NO.:	MW-14
CLIENT:	New York State Electric and Gas	SHEET:	1 OF 3
BORING CONTRACTOR:	American Auger & Ditching Co., Inc.	JOB NO.:	11173976.84300
PROJECT LOCATION:	Lockport, New York	NORTHING:	1153999.42
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	EASTING:	1118466.25
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	GROUND ELEVATION:	617.54
TOTAL DEPTH DRILLED:	80.00	DATE STARTED:	2/2/2004
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	DATE FINISHED:	3/29/2005
		DRILLER:	Ryan Baye
		GEOLOGIST:	Robert Murphy
		REVIEWED BY:	

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	615	S-01	60				FILL: Medium Stiff, Dark Brown, Organic rich Silt, trace coarse sand.	Moist
		S-02	60				FILL: Stiff to Very Stiff, Red Brown, Silt, some clay to trace clay, some fine to coar subangular gravel.	Damp
-5	610	S-03	75					
		S-04	75				SW-SM: Medium Dense, Red Brown, Silty Very Fine Sand, trace to some coarse sand and fine gravel, trace clay. Dilatent.	Very Moist.
		S-05	60				ML: Medium Stiff, Red Brown, Silt, some clay, some coarse sand and fine rounded gravel. Cobble zone 12'-13'.	
-10	605	S-06	75					
		S-07	75					
		S-08	90				SW: Medium Dense, Fine to Medium Sand, trace silt, trace coarse round gravel, trace coarse sand.	Wet
-15	600	S-09	60					
		S-10	100					
-20	595	S-11	50				SM: Medium Dense, Red Brown, Silty Fine Sand, trace coarse sand, trace coarse gravel. Dilatent.	
		S-12	100					
		S-13	60				SW-SM: Very Dense, Red Brown, Silty Very Fine Sand, some coarse sand, trace fine to coarse gravel.	

COMMENTS: Lost 100 gallons of water while coring. Casing grouted in place to 39.7'. Open Rock Hole from 39.7'-80.0'.

BORING NO. : MW-14

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	590							
		S-14	50					
		S-15	60					
-30	585	S-16	75					
		S-17	100					
-35	580	C-01	100	84				
-40	575	C-02 C-03	100	100				
-45	570	C-04	100	95				
-50	565	C-05	100	88				
-55	560	C-06	100	98				

SM: Dense, Red Brow, Silty Fine to Very Fine Sand, trace clay. Dilatent. Some fine angular gravel 32.8'-33.0'. Boulders likely on top of rock.

GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray-pink, medium grained dolomite. Some crinoid stem fragments.

DECEW DOLOMITE: Hard, medium gray, fine grained dolomite.

ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams.

COMMENTS: Lost 100 gallons of water while coring. Casing grouted in place to 39.7'. Open Rock Hole from 39.7'-80.0'.

BORING NO. : MW-14

BORING NO. : MW-14

PROJECT: Lockport Former MGP Sites

SHEET: 3 OF 3

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-60	555	C-07	100	88				Slight MGP odor on core at 60.65'.
-65	550	C-08	100	98				
-70	545	C-09	93	85				
-75	540	C-10	100	100				
-80	535							

COMMENTS: Lost 100 gallons of water while coring. Casing grouted in place to 39.7'. Open Rock Hole from 39.7'-80.0'.

BORING NO. : MW-14

PROJECT:	Lockport Former MGP Sites	BORING NO.:	MW-15
CLIENT:	New York State Electric and Gas	SHEET:	1 OF 2
BORING CONTRACTOR:	Soiltesting Inc.	JOB NO.:	11173976.84300
PROJECT LOCATION:	Lockport, New York	NORTHING:	1154651.71
DRILLING METHOD:	Air Rotary/Wire Line Rotary Rock Coring	EASTING:	1118491.49
DRILL BIT SIZE/TYPE:	6" Air Hammer/HQ Core	GROUND ELEVATION:	591.14
TOTAL DEPTH DRILLED:	50.00	DATE STARTED:	3/16/05
DRILL RIG TYPE:	Versa Drill V-2000 and/or Foremost CT-250	DATE FINISHED:	3/23/05
		DRILLER:	Ryan Baye
		GEOLOGIST:	Robert Murphy
		REVIEWED BY:	

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
0	590						FILL: Asphalt over gravel sub base.	
		S-01	50				FILL: Medium Dense, Gray brown, Silty Fine to Coarse Sand, some fine gravel.	Moist
		S-02	90				FILL: Medium Dense, Red Brown, Silt, some medium sand to fine gravel, trace clay.	Very Moist to Wet.
							FILL: Medium Stiff, Red Brown, Clayey Silt to Silt, trace clay, trace to some fine angular gravel, trace medium sand.	
-5	585	S-03	100					
		C-01	86	52			GASPORT DOLOMITE - GOTHIC HILL MEMBER: Hard, medium gray, medium grained dolomite. Some crinoid stem fragments. Very Broken 6.0-6.2'. Vertical Fracture (90 degrees) from 6.0-6.5'. Void from 8.0-8.7'.	Slight undifferentiated petroleum odor at 9.4'.
-10	580	C-02	100	100				
		C-03	98	86			DECEW DOLOMITE: Hard, medium gray, fine grained dolomite.	
							ROCHESTER SHALE - BURLEIGH HILL MEMBER: Medium hard, dark gray, very fine to fine grained argillaceous dolomite grading to calcareous shale with dolomite seams. Some dark banding. Calcite infilling at 39.7' and 47.15'.	Slight Possible MGP odor at 18'.
-20	570	C-04	98	85				

COMMENTS: Lost 20 gallons of water while coring. Casing grouted in place to 11'. Open Rock Hole from 11'-50'.

BORING NO. : MW-15

PROJECT: Lockport Former MGP Sites

SHEET: 2 OF 2

CLIENT: New York State Electric and Gas

JOB NO. : 11173976.84300

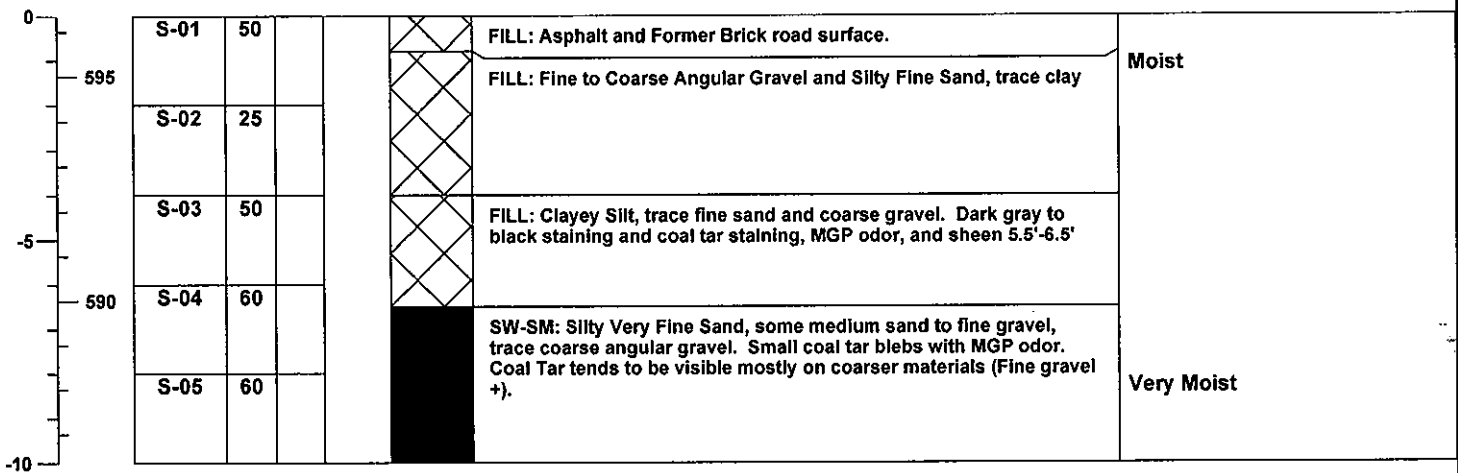
DEPTH FEET	ELEV	SAMPLE/ CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
-25	565	C-05	100	92				
-30	560	C-06	100	96				
-35	555	C-07	100	93				
-40	550	C-08	100	96				
-45	545	C-09	100	100				
-50	540							

COMMENTS: Lost 20 gallons of water while coring. Casing grouted in place to 11'. Open Rock Hole from 11'-50'.

BORING NO. : MW-15

PROJECT: Lockport Former MGP Sites		BORING NO.: SMW-11
CLIENT: New York State Electric and Gas		SHEET: 1 OF 1
BORING CONTRACTOR: American Auger & Ditching Co., Inc.		JOB NO.: 11173976.84300
PROJECT LOCATION: Lockport, New York		NORTHING: 1154030.77 EASTING: 1118058
DRILLING METHOD: Air Rotary		GROUND ELEVATION: 596.36
DRILL BIT SIZE/TYPE: 6" Air Hammer		DATE STARTED: 3/25/2005
TOTAL DEPTH DRILLED: 10.00		DATE FINISHED: 3/25/2005
DRILL RIG TYPE: Versa Drill V-2000 and/or Foremost CT-250		DRILLER: Ryan Baye
		GEOLOGIST: Robert Murphy
		REVIEWED BY:

DEPTH FEET	ELEV	SAMPLE CORE NO.	REC %	RQD %	FRAC LOG	LOG	GEOLOGICAL DESCRIPTION	REMARKS
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COMMENTS: Installed 2" PVC monitoring well in bore hole with screen from 5-10'.

URS Corporation

TEST BORING LOG

BORING NO. : GB-01

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1153999.58 EASTING: 1117977.18

GROUNDWATER: CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 596.8'

DATE	TIME	LEVEL	TYPE	TYPE	Macrocore
				DIA.	2"
				WT.	
				LENGTH	4'

DATE STARTED: 5/25/05


DATE FINISHED: 5/25/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

REVIEWED BY: *[Signature]*

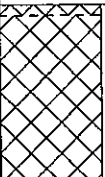
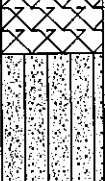
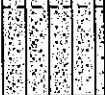
* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	75%	Gray/Black	Medium Dense	Concrete Sidewalk.	FILL	ND	Moist
					Brown		Cinder, some silt and fine to coarse sand and gravel.			
							Silt, some clay, fine to coarse sand and gravel. No odor.			
-5		S2	NA	75%			Clayey Silt with gray cobbles and gravel.		ND	
					Brown/Red Brown		Clayey Silt trace to some fine sand.			
		S3	NA	100%	Lt. Gry Brown		Silty Clay with black and brown mottles. Organic roots at 9.2'.		ND	Wet zone at 7.5'. Wet 9.2-9.4'.
-10							Silty Medium to Coarse Sand, trace clay and organics (roots).			
							End of Boring at 9.4'. Refusal on dolomite bedrock or boulder.			

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (8.4-9.4') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO. : GB-01

PROJECT/PROJECT LOCATION: Lockport Former MGP Site					BORING NO.: GB-02					
CLIENT: NYSEG					SHEET: 1 OF 1					
BORING CONTRACTOR: Geologic NY, Inc					JOB NO.: 11173973.84300					
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	NORTHING: 1153950.08	EASTING: 1117975.65
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			GROUND ELEVATION: 597.9'	
				DIA.		2"			DATE STARTED: 5/25/05	
				WT.					DATE FINISHED: 5/25/05	
				LENGTH		4'			DRILLER: Judd Powell	
					* POCKET PENETROMETER READING			GEOLOGIST: Rob Murphy		
								REVIEWED BY: <i>[Signature]</i>		

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	60%	Brown	Medium Dense	Concrete Sidewalk Silt, some clay and fine to coarse gravel and cobble. No odor.	FILL	ND	Moist
-5		S2	NA	90%	Lt. Brn Lt. Gry Red Brown		Fine Sand and Fine Gravel. Weathered Dolomite Cobble. Silty Fine Sand, trace to some clay, some coarse sand to fine gravel, trace coarse gravel. No odor.	SM	ND	
-10		S3	NA	100%			Silty Fine Sand, some fine gravel, some coarse sand. No odor.		ND	Very Moist to Wet.
-10							End of Boring at 10.0'. Refusal on possible Bedrock. Dolomite in shoe.			

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (9-10') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected a blind duplicate (DUP-01) from (9-10') for the same analyses.

BORING NO. : GB-03

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1153867.03 EASTING: 1117977.00

GROUNDWATER: CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 599.9'

DATE TIME LEVEL TYPE TYPE
 DIA. 2"
 WT.
 LENGTH 4'

DATE STARTED: 5/31/05

DATE FINISHED: 5/31/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

* POCKET PENETROMETER READING

REVIEWED BY: *[Signature]*

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0	[Cross-hatched pattern]	S1	NA	75%	Brown	Loose	Landscape Gravel over Fabric.	FILL	ND	Moist
					Red Brown	Medium Stiff	Fine to Medium Sand, trace silt, trace coarse sand. Clayey Silt to Fine Sandy Silt, some coarse sand to coarse gravel, trace china/porcelain.		ND	
-5		S2	NA	50%			Clayey Silt, trace coarse sand, trace to some fine to coarse gravel, brick. Cobble/Gravel zone 6.5-7.0'.			
	[Solid black pattern]	S3	NA	40%		Dense	Silty Fine Sand, some medium sand, trace to some coarse gravel.	SP-SM	ND	Wet
-10										
-11.0							End of Boring at 11.0'. Refusal on probable bedrock.			
-15										
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.

Collected sample from (9-11') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO. : GB-03

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO. : GB-04	
CLIENT: NYSEG						SHEET: 1 OF 1	
BORING CONTRACTOR: Geologic NY, Inc						JOB NO. : 11173973.84300	
GROUNDWATER:						NORTHING: 1154002.51 EASTING: 1118055.19	
CAS.						GROUND ELEVATION: 597.6'	
SAMPLER						DATE STARTED: 5/26/05	
CORE						DATE FINISHED: 5/26/05	
TUBE						DRILLER: Judd Powell	
DATE						GEOLOGIST: Rob Murphy	
TIME						REVIEWED BY: <i>[Signature]</i>	
LEVEL							
TYPE							
TYPE							
DIA.							
WT.							
LENGTH							
* POCKET PENETROMETER READING							

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	75%	Brown	Soft	Organic Silt, with roots, trace clay. Silty Fine Sand Degraded Concrete Clayey Silt, some fine to coarse gravel, trace coal/cinder. Woody Peat-like material with musty odor. Clayey Silt, some coarse gravel, trace to some fine gravel. Some coal tar staining on gravel. End of Boring at 7.2'. Refusal on probable bedrock.	FILL	ND	Moist
						Medium Dense				
		Gray Brown	Medium Stiff							
-5		S2	NA	70%	Black				ND-5 ppm	Very Moist
						Brown/Green/Black		ND-5 ppm		
-10									250 ppm	
-15										
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (5.2-7.2') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (3-4') for analysis of NOD and TOC.

URS Corporation

TEST BORING LOG

BORING NO. : GB-05

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1154003.62 EASTING: 1118069.31

GROUNDWATER:

CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 597.9'

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2"		
				WT.				
				LENGTH		4'		

DATE STARTED: 5/26/05

DATE FINISHED: 5/26/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

* POCKET PENETROMETER READING

REVIEWED BY: *[Signature]*

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0	[Cross-hatched pattern]	S1	NA	85%	Brown	Soft	Grass/orgaincs/roots over Silt, trace clay. Silty Fine Sand. Clayey Silt, some medium to coarse sand and fine to coarse gravel, trace slag. Fine to Coarse Gravel zones from 1.5-1.8' and 3.8-4.0'. Wood Chips, tar coated 5.0-5.2'. Coarse Gravel at 5.2'. Silty Clay, some fine to coarse gravel. Wet silty black zone with coal tar 6.8-7.0'.	FILL	ND	Dry
						Medium Dense				
						Stiff				
-5	[Cross-hatched pattern]	S2	NA	75%	Brown Dark Red	Medium Dense	Silty Clay, some fine to coarse gravel. Wet silty black zone with coal tar 6.8-7.0'.	SM	ND-2.4 ppm	Wet
					Green Gray	Stiff				
-10	[Vertical lines pattern]	S3	NA	75%	Red Brown	Medium Dense	Silty Fine Sand, some fine gravel, trace coarse gravel, some coal tar staining on gravel surfaces. Dilatent.			
-10 to -25							End of boring at 10.0'. Refusal on probable bedrock.			

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (6-8') and (9-10') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (6.8-7.0' plus MS/MSD) for analysis of extended PAHs.

BORING NO. : GB-05

BORING NO.: GB-06

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO.: 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1154007.73 EASTING: 1118123.08

GROUNDWATER:

CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 598.7'

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2"		
				WT.				
				LENGTH		4'		

DATE STARTED: 5/26/05

DATE FINISHED: 5/26/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

* POCKET PENETROMETER READING

REVIEWED BY: *[Signature]*

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	90%	Gray	Medium Stiff	Asphalt Road.	FILL	ND	Moist
					Lt. Brn		Former Brick and Mortar Road Bed.			
						Gray Brown	Medium Sand and Coarse Ang. Gravel.			
-5		S2	NA	60%		Medium Dense	Silt, some medium to coarse sand and fine to coarse gravel, trace clay and coal. Very Gravelly 5-6'.		ND	Dry
							Red Brown	Silty Very Fine Sand, trace gravel. Black staining and slight unidentifiable odor 7.0-7.2'.		
-10		S3	NA	90%			Silty Fine Sand, some fine to coarse rounded gravel, trace to some clay. Some gray staining. Slight sulfury odor and possible MGP odor.	SM	ND	Occasional Wet Zone.
-10.5							End of Boring at 10.5'. Refusal on probable bedrock.			

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.

Collected samples from (7-8') & (8.5-10.5' + DUP-03) for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.

Also collected sample from (7-8' plus DUP-04) for analysis of extended PAHs.

BORING NO.: GB-06

BORING NO. : GB-07

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1154006.80 EASTING: 1118164.55

GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2"		
				WT.				
				LENGTH		4'		

GROUND ELEVATION: 600.3'

DATE STARTED: 5/26/05

DATE FINISHED: 5/26/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

REVIEWED BY: *[Signature]*

* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	95%	Gray	Stiff	Asphalt	FILL	ND	Moist in Seams
					Brown/Gray/Black		Brick and Concrete			
-5		S2	NA	90%	Gray	Medium Dense	Silt, some medium to coarse sand, trace to some gravel, trace coal. MGP odor 4-5'.	SM	ND-5.7 ppm	Wet
					Gray to Black		Fine to Coarse Gravel Coated with Coal Tar.			
-10		S3	NA	30%	Red Brown	Dense	Silty Clay to Clayey Silt.	SP-SM	ND-1.5 ppm	Wet
							Fine to Coarse Gravel Coated with Coal Tar.			
-15		S4	NA	60%			Silty Fine Sand, trace coarse sand. MGP odor.	SW-SM	ND-0.5 ppm	
							Silty Fine Sand, some coarse sand and fine rounded gravel. Some gravel pieces have coal tar coating. MGP odor.			
-20							Silty Fine Sand, some fine angular gravel and medium to coarse sand.			
-25							End of Boring at 13.5'. Refusal on probable bedrock.			

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (5.5-6.5') and (12.5-13.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide
 Also collected sample from (5.0-5.2') for analysis of extended PAHs.

BORING NO. : GB-07

BORING NO. : GB-08

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1154000.98 EASTING: 1118231.48

GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2"		
				WT.				
				LENGTH		4'		

GROUND ELEVATION: 604.8'

DATE STARTED: 5/26/05




DATE FINISHED: 5/26/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

REVIEWED BY: *Wier*

* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS			
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS		
0		S1	NA	75%	Brown	Medium Stiff	Organic Silt, some fine gravel.	FILL	ND	Moist			
					Red Brown		Silt, some medum to coarse sand and angular gravel.						
-5		S2	NA	90%		Very Stiff	Clayey Silt, some coarse sand to fine gravel.					ND	Wet
							Silt to Clayey Silt, some fine angular gravel. Black Staining 5.0-5.5'. No odor.						Very Moist
-10		S3	NA	90%	Gray		Silty Clay with brown, black and white mottles.		ND				
					Brown	Medium Dense	Silty Fine Sand, some rounded gravel. Trace DNAPL blebs.	SM		Wet			
						Very Loose	Silty Fine Sand with medium to coarse sand interbed at 13.0'. Contains Coal Tar Blebs. Slight MGP odor.		ND				
-15		S4	NA	80%	Red Brown	Dense	Silty Fine Sand, some coarse sand, trace fine round gravel, trace sheen 14-15'. Slight MGP odor.	SP-SM					
							End of Boring at 16.0'. Refusal on probable bedrock.						

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (12-14') and (15-16') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (12-14') for analysis of extended PAHs.

BORING NO. : GB-08

BORING NO. : GB-09

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1153976.88 EASTING: 1118065.59

GROUNDWATER:

CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 601.0'

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Macrocore		
				WT.		2"		
				LENGTH		4'		

DATE STARTED: 6/1/05

DATE FINISHED: 6/1/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

REVIEWED BY: *[Signature]*

* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE		REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	PID	REMARKS	
		NO.	BLOW COUNT								
0		S1	NA	50%	Red Brown	Soft	Fine Gravel Surface over, Clayey Silt, some fine gravel, trace coarse gravel, brick, concrete.	FILL	ND	Moist	
-5		S2	NA	75%	Gy Brn	Dense	Approximately five sheets of creosote and MGP soaked plywood, stained black.	50.5 ppm		Dry	
						Gray	Medium Stiff	Silty Fine to Coarse Gravel.	ND		Moist
							Medium Dense	Silty Clay, with black staining and MGP odor in very silty zones.			Dry
-10		S3	NA	90%			Fine to Coarse Angular Gravel and cobbles. 7.8-9.0' wet with coal tar blebs and sheen.	20.3 ppm		Wet	
						Red Brown	Dense	Silty Fine Sand, some fine rounded gravel, trace angular coarse gravel. Some sheen and MGP odor. Disseminated coal tar blebs through out soil.	6.8 ppm		Moist
		S4	NA	100%			Silty Fine Sand, stained gray. Disseminated coal tar blebs throughout soil.	15.5 ppm		Very Moist to Wet	
-15							End of Boring at 13.8'. Refusal.				

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (10-12') and (12-13.8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected samples from (10-12') for analysis of Extended PAHs, NOD, and TOC and (12-13.8') for Extended PAHs.

BORING NO. : GB-09

BORING NO. : GB-10

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1153891.46 EASTING: 1118073.33

GROUNDWATER:

CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 601.7'

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Macrocore		
				WT.				
				LENGTH		4'		

DATE STARTED: 5/26/05

DATE FINISHED: 5/26/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

* POCKET PENETROMETER READING

REVIEWED BY: *[Signature]*

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	80%	Gray Red Brown	Stiff	Fine to Coarse Gravel, some silt. Silt, trace to some clay, some fine sand, some fine to coarse gravel, yellow and red brick. No odor.	FILL	ND	Dry Moist
-5		S2	NA	90%	Black Brown	Medium Dense Stiff	Fine to Medium Sand, some coarse sand, trace fine gravel. Black Stained Silt to Clayey Silt with fibrous black material. Wood Chip/Mulch (Purifier Waste)		0-2 ppm	Wet 4-5'. Moist
-10		S3	NA	90%	Gray Brown/ Black Brown	Loose Very Stiff	Clayey Silt, trace fine gravel. Fine to Medium Sand zone (fluid) with slight MGP odor (9-9.5'). Green mottles and Stong MGP odor (9.5-10.5').		ND	Wet
-11		S4	NA	100%	Red Brown	Dense	Silty Very Fine Sand, some coarse sand, slight MGP odor. Dilatent	SP-SM	28.5 ppm ND	
-15							End of Boring at 13.6'. Refusal on probable bedrock. Had shallow refusals on creosote soaked wood at 5.5' and 6.0' at first two attempts for this boring.			

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.

Collected samples from (9.5-10.5') and (12.6-13.6') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.

Also collected sample of probable purifier waste from (6.0-6.2') for Total Cyanide only.

BORING NO. : GB-10

BORING NO. : GB-11

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1153868.69 EASTING: 1118139.64

GROUNDWATER:

CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 606.0'

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore	
				DIA.		2"	
				WT.			
				LENGTH		4'	

DATE STARTED: 5/24/05

DATE FINISHED: 5/24/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

* POCKET PENETROMETER READING


REVIEWED BY: *[Signature]*


DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	70%	Brown Gray/Black	Medium Dense	Asphalt Gravel and Silt	FILL	ND	Moist to Damp
-5		S2	NA	60%	Brown		Silt and Fine to Coarse Sand, some gravel, brick and concrete, trace coal and cinder, no odor. Fine to Medium Silty Sand, trace coarse gravel.		ND	Very Moist to Wet
						Red Brown		Silty Fine Sand, trace fine to coarse subangular gravel.	SM	Wet
-10		S3	NA	30%		Dense		Silty Fine Sand, some medium to coarse sand, trace rounded coarse gravel.	SW-SM	ND
		S4	NA	50%				Silty Fine Sand, some medium to coarse sand, trace to some fine rounded gravel.		ND
-15		S5	NA	100%			Silty Fine Sand, some medium to coarse sand, some fine and coarse rounded to subrounded gravel.		ND	
-20							End of boring at 17'. Refusal.			
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.

Collected sample from (16-17') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO. : GB-11

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO.: GB-12	
CLIENT: NYSEG						SHEET: 1 OF 1	
BORING CONTRACTOR: Geologic NY, Inc						JOB NO.: 11173973.84300	
GROUNDWATER:				CAS.	SAMPLER	CORE	TUBE
DATE:						GROUND ELEVATION: 606.8'	
TIME:						DATE STARTED: 5/24/05	
LEVEL:						DATE FINISHED: 5/24/05	
TYPE:						DRILLER: Judd Powell	
DIA.:						GEOLOGIST: Rob Murphy	
WT.:						REVIEWED BY: 	
LENGTH:							
* POCKET PENETROMETER READING							

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	60%	Gray	Medium Dense	Asphalt surface over, Fine to Coarse Sand and Gravel, some silt.	FILL	ND	Moist
					Red Brown		Clayey Silt, trace coarse sand and coarse gravel. Slight MGP odor and trace sheen (3-4').			Very Moist to Wet
-5		S2	NA	25%					ND	
		S3	NA	90%			Silty Fine Sand.		ND	Wet
-10							Medium to Coarse Sand, trace fine rounded gravel.			
	S4	NA	80%			Silty Fine Sand	SM	ND		
-15						Silty Fine Sand, some coarse sand to rounded fine gravel.		ND		
	S5	NA	100%			Silty Fine Sand, dilatent, no odor.		ND		
-20						End of boring at 18.5'. Refusal.				
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (3-4') and (17.5-18.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO. : GB-13

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO. : 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1153986.36 EASTING: 1118290.83

GROUNDWATER:

CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 607.8'

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
						Macrocore		
				DIA.		2"		
				WT.				
				LENGTH		4'		

DATE STARTED: 5/26/05

DATE FINISHED: 5/26/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

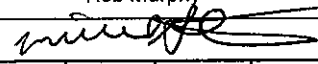
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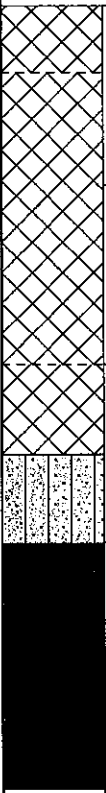
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DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				

0		S1	NA	60%	Brown Red Brown	Loose Stiff	Medium to Coarse Sand and Gravel. Silt, some fine sand, trace clay, trace fine to coarse gravel, trace coal.	FILL	ND	Dry Moist
-5		S2	NA	60%	Brown to Red Brown	Medium Dense	Silt, some clay, very fine sand and coarse sand. Faint gray staining.	SP SM	ND	Very Moist
					Red Brown		Silty Fine Sand, some coarse sand.			
-10		S3	NA	100%			Fine Sand, black staining in parts. No odor.		ND	Wet
							Silty Fine Sand. Dilatent. No odor, no staining.			
-15		S4	NA	75%		Dense	Very Fine Sandy Silt to Silty Fine Sand, some rounded fine gravel and coarse sand, trace coarse angular gravel.	SP-SM	ND	
		S5	NA	100%			Silty Fine Sand, trace coarse sand. Medium to Coarse Sand seam 17.5-18.0'. Silty Clay	SM	ND	
-20							End of Boring at 18.8'. Refusal on probable bedrock.	ML/CL		
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (7-8') and (17.8-18.8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (16-17') (plus blind duplicate DUP-02) for TOC and NOD analysis.

PROJECT/PROJECT LOCATION: Lockport Former MGP Site					BORING NO.: GB-14						
CLIENT: NYSEG					SHEET: 1 OF 1						
BORING CONTRACTOR: Geologic NY, Inc					JOB NO.: 11173973.84300						
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 606.7'		
DATE	TIME	LEVEL	TYPE	TYPE					DATE STARTED: 5/23/05		
				DIA.		2"			DATE FINISHED: 5/23/05		
				WT.					DRILLER: Judd Powell		
				LENGTH		4'			GEOLOGIST: Rob Murphy		
					* POCKET PENETROMETER READING			REVIEWED BY: 			

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS		
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS	
0		S1	NA	90%	Gray-Dk Gray	Medium Dense	Sand and Gravel with silt.	FILL	ND	Dry		
					Red Brown		Silty Fine Sand, trace to some fine to coarse gravel.					Moist to Very Moist
-5		S2	NA	30%							ND	Wet
						Dark Brown		Silty Fine Sand, some medium sand, trace coarse sand. Sheen, MGP odor and visible NAPL blebs.		ND		
-10						Red Brown		Silty Fine Sand, dilatent.	SM			
-15		S4	NA	75%		Dense	Silty Fine Sand, some coarse sand to fine gravel.	SP-SM	ND			
		S5	NA	100%			Silty Fine Sand, some medium to coarse sand and fine gravel.	SW-SM	ND			
							End of Boring at 17.5'. Refusal.					
-20												
-25												

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (8.5-9.5') and (16.5-17.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO.: GB-15	
CLIENT: NYSEG						SHEET: 1 OF 1	
BORING CONTRACTOR: Geologic NY, Inc						JOB NO.: 11173973.84300	
GROUNDWATER:						NORTHING: 1153939.41 EASTING: 1118304.70	
CAS.						GROUND ELEVATION: 606.9'	
SAMPLER						DATE STARTED: 5/24/05	
CORE						DATE FINISHED: 5/24/05	
TUBE						DRILLER: Judd Powell	
DATE						GEOLOGIST: Rob Murphy	
TIME						REVIEWED BY: <i>[Signature]</i>	
LEVEL							
TYPE							
TYPE							
DIA.							
WT.							
LENGTH							
* POCKET PENETROMETER READING							

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	90%	Gray	Medium Dense	Concrete	FILL	ND	Dry Moist Wet
					Brown		Silty Fine to Coarse Sand, trace fine gravel.			
					Dark Brown		Silty Fine Sand, stained, with MGP Sheen and odor.	SM	ND	
-5		S2	NA	70%	Red Brown		Silty Fine Sand, dilatent. Slight odor.			
		S3	NA	90%			Silty Very Fine Sand, dilatent, no odor.			
-10		S4	NA	60%		Very Silty, Very Fine Sand, Trace Clay, dilatent, no odor.	ND			
-15		S5	NA	100%			ND			
-20						End of boring at 19.0'. Refusal. Gravel in shoe.				
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (2-3') and (18-19') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (3-4') for NOD and TOC analyses.

BORING NO.: GB-15

URS Corporation

TEST BORING LOG

BORING NO.: GB-16

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

SHEET: 1 OF 1

CLIENT: NYSEG

JOB NO.: 11173973.84300

BORING CONTRACTOR: Geologic NY, Inc

NORTHING: 1153899.34 EASTING: 1118281.01

GROUNDWATER: CAS. SAMPLER CORE TUBE

GROUND ELEVATION: 606.9'

DATE TIME LEVEL TYPE TYPE
 DIA. 2"
 WT.
 LENGTH 4'

DATE STARTED: 5/23/05

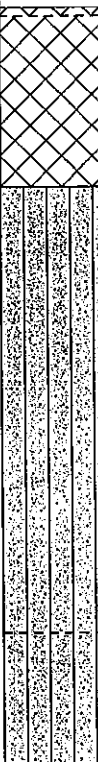
DATE FINISHED: 5/23/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

* POCKET PENETROMETER READING

REVIEWED BY: *[Signature]*

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS		
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS	
0		S1	NA	80%	Dark Brown	Loose to Medium Dense	Coarse Gravel	FILL	ND	Moist Wet		
					Red Brown		Silty Fine Sand with MGP odor and sheen.					
-5		S2	NA	100%			Silty Fine Sand with MGP odor and sheen. Dilatent.				SM	ND
-10		S3	NA	100%								ND
-15		S4	NA	90%								ND
		S5	NA	100%		Dense to Very Dense	Silty Fine Sand and fine to coarse angular gravel (TILL).		ND	Moist		
-20							End of Boring at 17.0'. Refusal on probable boulder.					
-25												

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (0.5-1.5') and (15-16') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO.: GB-16

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO.: GB-17	
CLIENT: NYSEG						SHEET: 1 OF 1	
BORING CONTRACTOR: Geologic NY, Inc						JOB NO.: 11173973.84300	
GROUNDWATER:						NORTHING: 1154173.44 EASTING: 1118080.29	
CAS. SAMPLER CORE TUBE						GROUND ELEVATION: 594.4'	
DATE	TIME	LEVEL	TYPE	TYPE	Macrocore	DATE STARTED: 6/1/05	
				DIA.	2"	DATE FINISHED: 6/1/05	
				WT.		DRILLER: Judd Powell	
				LENGTH	4'	GEOLOGIST: Rob Murphy	
* POCKET PENETROMETER READING						REVIEWED BY: <i>[Signature]</i>	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0	[Cross-hatched pattern]	S1	NA	50%	Gray	Medium Dense	Asphalt over Silty Fine Gravel sub base. Silty Fine Sand, some fine rounded gravel. Silty Fine to Coarse Gravel and Cobbles.	FILL	ND	Dry
					Red Brown Gray					Very Moist
										Dry
-5		S2	NA	60%	Brown to Gray	Medium Stiff			ND	Very Moist
		S3	NA	100%	Gray		Fine Sandy Silt and Fine to Coarse Angular Gravel. Gasoline odor.		45.0 ppm	Very Moist
									35.6ppm	
-10							End of Boring at 8.2'. Refusal on Bedrock.			
-15										
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (6.2-8.2') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (6.2-8.2') for analysis of Extended PAHs, NOD, and TOC.

BORING NO.: GB-17

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO. : GB-18											
CLIENT: NYSEG						SHEET: 1 OF 1											
BORING CONTRACTOR: Geologic NY, Inc						JOB NO. : 11173973.84300											
GROUNDWATER:						CAS.		SAMPLER		CORE		TUBE		NORTHING: 1154173.74		EASTING: 1118124.63	
								Macrocore						GROUND ELEVATION: 594.6'			
DATE		TIME		LEVEL		TYPE		TYPE						DATE STARTED: 6/1/05			
								DIA.		2"				DATE FINISHED: 6/1/05			
								WT.						DRILLER: Judd Powell			
								LENGTH		4'				GEOLOGIST: Rob Murphy			
						* POCKET PENETROMETER READING						REVIEWED BY: <i>[Signature]</i>					

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0	[Cross-hatched pattern]	S1	NA	60%	Gray	Medium	Asphalt and Gravel sub base. Clayey Silt, some fine sand to coarse gravel, trace coal and black staining. No odor. Cobbles and Fine to Coarse Gravel.	FILL	ND	Dry
						Brown				
-5	[Cross-hatched pattern]	S2	NA	40%	Gray	Medium Dense	Clayey Silt. Petroleum odor.		ND	10.1ppm
						Medium				
-10							End of Boring at 7.0'. Refusal on probable bedrock.			
-15										
-20										
-25										


COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (0.5-1.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (6.5-7.0') for analysis of VOCs and Extended PAHs only (due to limited volume).

BORING NO. : GB-18

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site					BORING NO.: GB-19						
CLIENT: NYSEG					SHEET: 1 OF 1						
BORING CONTRACTOR: Geologic NY, Inc					JOB NO.: 11173973.84300						
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 595.0'		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 5/31/05		
				DIA.		2"			DATE FINISHED: 5/31/05		
				WT.					DRILLER: Judd Powell		
				LENGTH		4'			GEOLOGIST: Rob Murphy		
					* POCKET PENETROMETER READING			REVIEWED BY: <i>[Signature]</i>			

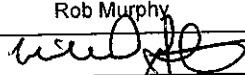
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	65%	Gray	Medium Dense	Asphalt and Gravel sub base. Silt with medium to coarse sand and gravel. Coarse Gravel and Cobbles, with occasional Red Brown Silty interlayers.	FILL	ND	Dry
-5		S2	NA	60%						
-8						Brown		Clayey Silt and Coarse Gravel, some peat. Coal Tar blebs on gravel. MGP odor.		
-10							End of Boring at 8.0'. Refusal on bedrock.			
-15										
-20										
-25										

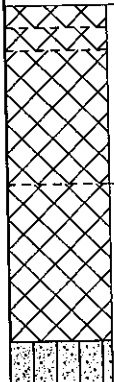
COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (7-8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (7-8') for analysis of Extended PAHs, NOD, and TOC.

BORING NO.: GB-19

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site					BORING NO.: GB-20						
CLIENT: NYSEG					SHEET: 1 OF 1						
BORING CONTRACTOR: Geologic NY, Inc					JOB NO.: 11173973.84300						
GROUNDWATER:					CAS.		SAMPLER	CORE	TUBE	NORTHING: 1154132.97 EASTING: 1118178.21	
							Macrocore			GROUND ELEVATION: 596.7'	
DATE	TIME	LEVEL	TYPE	TYPE						DATE STARTED: 6/1/05	
				DIA.						DATE FINISHED: 6/1/05	
				WT.						DRILLER: Judd Powell	
				LENGTH						GEOLOGIST: Rob Murphy	
					* POCKET PENETROMETER READING					REVIEWED BY: 	

DEPTH FEET	STRATA	SAMPLE		REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	PID	REMARKS	
		NO.	BLOW COUNT								
0		S1	NA	60%	Gray	Medium Dense	Asphalt and Fine to Coarse Gravel sub base. Silty Medium to Coarse Sand and Fine to Coarse Gravel. Silt to Clayey Silt and Fine Gravel, trace to some wood and brick. No odor. Silt, trace clay, trace fine to coarse angular gravel, trace wood. No odor.	FILL	ND	Dry Moist	
					Red Brown to Gray	Medium					
-5		S2	NA	80%	Gray Brown					ND	
						Red Brown		Dense	Silty Fine Sand, trace to some fine to coarse sand.	SM	
-10							End of Boring at 8.5'. Refusal on probable bedrock.				
-15											
-20											
-25											

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (4-6' + MS/MSD) and (7.5-8.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.
 Also collected samples from (4-6') for analysis of NOD and TOC.

BORING NO.: GB-20

URS Corporation

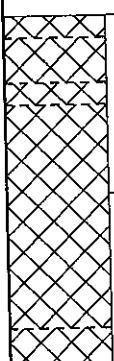
TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site
 CLIENT: NYSEG
 BORING CONTRACTOR: Geologic NY, Inc
 GROUNDWATER:

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Macrocore		
				WT.				
				LENGTH		4'		

* POCKET PENETROMETER READING

BORING NO.: GB-21
 SHEET: 1 OF 1
 JOB NO.: 11173973.84300
 NORTHING: 1154119.23 EASTING: 1118045.43
 GROUND ELEVATION: 595.0'
 DATE STARTED: 5/31/05
 DATE FINISHED: 5/31/05
 DRILLER: Judd Powell
 GEOLOGIST: Rob Murphy
 REVIEWED BY: *[Signature]*

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	70	Gray	Medium Dense	Asphalt over gravel sub base.	FILL	ND	Damp Dry
					Brown Gray		Silty Medium to Coarse Sand and Fine Gravel, some coarse gravel.			
		S2	NA	40			Silt, some fine to coarse gravel, trace to some coarse sand, trace coal fragments.		ND	
-5						Brown	Soft	Fine to Coarse Angular Gravel.		
-10							End of boring at 8.0'. Refusal on bedrock.			
-15										
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (7-8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO.: GB-21

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site					BORING NO.: GB-22					
CLIENT: NYSEG					SHEET: 1 OF 1					
BORING CONTRACTOR: Geologic NY, Inc					JOB NO.: 11173973.84300					
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	NORTHING: 1154157.07	EASTING: 1118091.47
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			GROUND ELEVATION: 594.9	
				DIA.		2"			DATE STARTED: 6/1/05	
				WT.					DATE FINISHED: 6/1/05	
				LENGTH		4'			DRILLER: Judd Powell	
* POCKET PENETROMETER READING								GEOLOGIST: Rob Murphy		
REVIEWED BY: <i>[Signature]</i>										

DEPTH FEET	STRATA	SAMPLE		REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT							
0		S1	NA	60%	Gray	Medium Dense	Asphalt and Gravel sub base.	FILL	ND	Dry
					Brown	Medium	Silty Coarse Sand to Coarse Gravel.			
					Gray	Medium Dense	Silt, some clay, coarse sand, fine to coarse angular gravel. No odor.			
							Cobbles and Fine to Coarse Gravel.			
-5		S2	NA	25%					ND	
					Dark Gray	Medium	Clayey Silt. Petroleum odor.		102 ppm	Moist
		S3	NA	100%			Weathered Gasport Dolomite Bedrock.		ND	
-10							End of Boring at 8.5'. Refusal on bedrock.			
-15										
-20										
-25										


COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (7-8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected sample from (7-8') for analysis of Extended PAHs.

BORING NO.: GB-22

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site					BORING NO.: GB-23						
CLIENT: NYSEG					SHEET: 1 OF 1						
BORING CONTRACTOR: Geologic NY, Inc					JOB NO.: 11173973.84300						
GROUNDWATER:					CAS.		SAMPLER	CORE	TUBE	NORTHING: 1154061.86 EASTING: 1118040.32	
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 595.5'		
				DIA.		Macrocore			DATE STARTED: 5/31/05		
				WT.		2"			DATE FINISHED: 5/31/05		
				LENGTH		4'			DRILLER: Judd Powell		
					* POCKET PENETROMETER READING					GEOLOGIST: Rob Murphy	
										REVIEWED BY: <i>[Signature]</i>	

DEPTH FEET	STRATA	SAMPLE		REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	PID	REMARKS		
		NO.	BLOW COUNT									
0		S1	NA	60%	Gray	Medium Stiff	Asphalt and Gravel sub base.	FILL	ND	Dry		
							Silt, some medium sand to coarse angular gravel, trace clay, trace coal fragments.					
-5		S2	NA	50%	Brown	Medium Dense	Silty Fine to Medium Sand, some fine rounded gravel, trace coarse rounded gravel. No odor.				ND	Moist
							Gravelly Cobble zone.					
					Gray/Black (Stained) R. Brn at 8.2'	Medium	Silty Clay with black mottles, trace fine gravel, trace wood (red). MGP odor. Stained.		ND	Wet 6.0-6.5' Moist		
-10		S3	NA	100%			Clayey Silt, some fine to coarse gravel, trace sand. Gravel has coal tar coating.					
-15							End of Boring at 8.4'. Refusal on bedrock.					
-20												
-25												

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (6.4-8.4') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Also collected samples from (6.4-8.4') for analysis of extended PAHs and TOC and (3-4') for analysis of NOD.

BORING NO.: GB-23

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

BORING NO.: GB-24

CLIENT: NYSEG

SHEET: 1 OF 1

BORING CONTRACTOR: Geologic NY, Inc

JOB NO.: 11173973.84300

GROUNDWATER:

CAS. SAMPLER CORE TUBE

NORTHING: 1154068.20 EASTING: 1118088.68

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2"		
				WT.				
				LENGTH		4'		

GROUND ELEVATION: 596.1'

DATE STARTED: 6/1/05

DATE FINISHED: 6/1/05


DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

REVIEWED BY: *[Signature]*

* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				

0		S1	NA	50%	Gray Brn/Gry Brown	Medium	Asphalt over Gravel sub base. Silt, some fine to coarse sand, trace clay. Silty Fine to Coarse Gravel and Cobbles.	FILL	ND	Moist
		S2	NA	50%	Gray	Medium Dense				
					Gray Brown	Silt Fine Sand, some fine to coarse gravel, trace brick and concrete. Moderate petroleum odor.				
-5	S3	NA	100%	Red Brown	Very Stiff	Clayey Silt to Silt trace to some fine sand, some fine gravel, trace coarse gravel. Strong Petroleum odor.		43 ppm	44 ppm	
-10						End of Boring at 9.8'. Refusal on probable bedrock.				Wet at 9' Moist
-15										
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.

Collected samples from (6-8') and (9-9.8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.


Also collected sample from (9-9.8') for analysis of Extended PAHs.

BORING NO.: GB-24

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO.: GB-25	
CLIENT: NYSEG						SHEET: 1 OF 1	
BORING CONTRACTOR: Geologic NY, Inc						JOB NO.: 11173973.84300	
GROUNDWATER:						NORTHING: 1154041.48 EASTING: 1118034.37	
CAS.						GROUND ELEVATION: 595.7'	
SAMPLER						DATE STARTED: 5/31/05	
CORE						DATE FINISHED: 5/31/05	
TUBE						DRILLER: Judd Powell	
* POCKET PENETROMETER READING						GEOLOGIST: Rob Murphy	
						REVIEWED BY: <i>[Signature]</i>	

DEPTH FEET	STRATA	SAMPLE		REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT							
0		S1	NA	65%	Gray	Medium Dense	Asphalt and Gravel sub base.	FILL	ND	Dry
-5		S2	NA	40%	Red Brown		Silty Medium to Coarse Sand, some fine to coarse angular gravel. Occasional red brown clayey silt seams.			
		S3	NA	100%	Lt. Brn M. Gray	Medium	Coarse Gravel. Silty Fine Sand to Clayey Silt, some fine to coarse gravel. Very Silty Clay.			
-10							Clayey Silt, some fine sand and fine to coarse angular gravel, trace medium to coarse sand, trace concrete. Stained Dark Gray. Moderate MGP odor.			Moist Wet at 6.0'. Very Moist to Wet
-25							End of Boring at 9.0'. Refusal on probable bedrock.			

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (8-9') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO. : GB-25

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site

BORING NO.: GB-26

CLIENT: NYSEG

SHEET: 1 OF 1

BORING CONTRACTOR: Geologic NY, Inc

JOB NO.: 11173973.84300

GROUNDWATER: CAS. SAMPLER CORE TUBE

NORTHING: 1154031.33 EASTING: 1118091.58

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Macrocore		
				WT.				
				LENGTH		4'		

GROUND ELEVATION: 597.4'

DATE STARTED: 5/25/05


DATE FINISHED: 5/25/05

DRILLER: Judd Powell

GEOLOGIST: Rob Murphy

REVIEWED BY: *Will [Signature]*

* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE		REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT							
0		S1	NA	50%	Gray Red Gray Brown	Medium Dense	Asphalt Road Surface Former Brick Road Surface. Clayey Silt with gravel and brick.	FILL	ND	Very Moist
-5		S2	NA	60%	Red Brown		Clayey Silt, some fine to coarse gravel, black mottles. No odor.			
-10		S3	NA	90%	Black Gray Brown		Silty Fine Sand, some coarse sand to coarse angular to rounded gravel. No odor. Silty Fine Sand, some coarse sand, trace coarse angular to rounded gravel. Black staining and slight MGP odor at 9-9.5'. DNAPL coating on gravel seam 10.75- 11.0' causes asphaltic appearance.	SM	ND	102 ppm
-15							End of Boring at 11.0'. Refusal on probable bedrock.			
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (9.5-10.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Collected (8.5-9.5') for TOC & NOD analysis and (10.75-11.0') for Extended PAHs. Boring moved due to water supply line.

BORING NO.: GB-26

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site					BORING NO.: GB-27						
CLIENT: NYSEG					SHEET: 1 OF 1						
BORING CONTRACTOR: Geologic NY, Inc					JOB NO.: 11173973.84300						
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	NORTHING: 1154032.12 EASTING: 1118124.89		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			GROUND ELEVATION: 598.5'		
				DIA.		2"			DATE STARTED: 5/25/05		
				WT.					DATE FINISHED: 5/25/05		
				LENGTH		4'			DRILLER: Judd Powell		
					* POCKET PENETROMETER READING					GEOLOGIST: Rob Murphy	
										REVIEWED BY: <i>[Signature]</i>	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0	[Cross-hatched pattern]	S1	NA	75%	Lt. Brown	Medium Dense	Silt to Clayey Silt.	FILL	ND	Moist
					Brown Gray		Silt, some sand and gravel			
							Fine to Medium Sand, trace coarse sand.			
-5	[Cross-hatched pattern]	S2	NA	75%	Red/Brown		Red Wood Chips, Brown Silt.	SM	ND	Wet
					Gray Brown		Silty Clay, some fine to coarse gravel, trace MGP odor.			
					Red Brown		Silty Fine Sand, trace coarse sand, moderate MGP odor.			
-10	[Vertical lines pattern]	S3	NA	75%	Brown	Dense	Silty Fine Sand, some fine to coarse angular gravel. Cobble sized weathered rock from 8.5-9.5'. Disseminated MGP odor through out.			
							End of Boring at 12'. Refusal on probable bedrock.			
-15										
-20										
-25										


COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected samples from (7-8') and (11-12') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO.: GB-27

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO.: GB-40											
CLIENT: NYSEG						SHEET: 1 OF 1											
BORING CONTRACTOR: Geologic NY, Inc						JOB NO.: 11173973.84300											
GROUNDWATER:						CAS.		SAMPLER		CORE		TUBE		NORTHING: 1154040.61		EASTING: 1117979.83	
DATE		TIME		LEVEL		TYPE		TYPE		Macrocore		GROUND ELEVATION: 596.0'		DATE STARTED: 5/25/05			
						DIA.				2"				DATE FINISHED: 5/25/05			
						WT.								DRILLER: Judd Powell			
						LENGTH				4'				GEOLOGIST: Rob Murphy			
* POCKET PENETROMETER READING														REVIEWED BY: <i>[Signature]</i>			

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	50%	Brown	Medium Dense	Concrete Sidewalk	FILL	ND	Moist
-5		S2	NA	0%			Silty Fine Sand, some medium to coarse sand and gravel. Cinders and coal at 1.8' bgs. Drove Coarse gravel 2-4'. Drove coarse gravel to 8'.			
-10		S3	NA	50%	Brown Gray		Silt, some clay, fine sand, trace to some gravel, trace ceramic. No odor, no staining.			
-15							End of Boring at 10.8'. Refusal.			
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (9.8-10.8') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.

BORING NO.: GB-40

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO. : GB-41	
CLIENT: NYSEG						SHEET: 1 OF 1	
BORING CONTRACTOR: Geologic NY, Inc						JOB NO. : 11173973.84300	
GROUNDWATER:				CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE	Macrocore		
				DIA.	2"		
				WT.			
				LENGTH	4'		
* POCKET PENETROMETER READING						GROUND ELEVATION: 595.2'	
						DATE STARTED: 5/25/05	
						DATE FINISHED: 5/25/05	
						DRILLER: Judd Powell	
						GEOLOGIST: Rob Murphy	
						REVIEWED BY: <i>[Signature]</i>	

DEPTH FEET	STRATA	SAMPLE		REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	PID	REMARKS	
		NO.	BLOW COUNT								
0		S1	ND	60%	Gray Brown to Red Brown	Medium Dense	Sidewalk Concrete	FILL	ND	Very Moist	
-5		S2	ND	50%	Brown		Silty Fine to Medium Sand, some coarse sand and gravel, trace glass and coal/cinder. Gravelly cobble zone from 5-6'.				ND
-10		S3	ND	50%	Black Brown		Silt, some clay, some medium to coarse sand. Medium to Coarse Sand sized Cinder. No odor, no sheen. Silt, some fine to medium sand, trace clay and fine to coarse gravel. No odor, no sheen.				ND
-15							End of Boring at 10.6'. Refusal. Rock in shoe.				
-20											
-25											

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (9.5-10.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and Total Cyanide.
 Took three attempts, shallow refusal encountered at two other locations.

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO. : GB-42									
CLIENT: NYSEG						SHEET: 1 OF 1									
BORING CONTRACTOR: Geologic NY, Inc						JOB NO. : 11173973.84300									
GROUNDWATER:						CAS.		SAMPLER		CORE		TUBE		GROUND ELEVATION: 597.6'	
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore						DATE STARTED: 6/1/05			
				DIA.		2"						DATE FINISHED: 6/1/05			
				WT.								DRILLER: Judd Powell			
				LENGTH		4'						GEOLOGIST: Rob Murphy			
* POCKET PENETROMETER READING												REVIEWED BY: <i>[Signature]</i>			

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0		S1	NA	60%		Medium Dense	Asphalt over Fine to Coarse Gravel sub base.	FILL	ND	Dry
					Red Brown	Medium	Fine to Medium Sand and Silt.			Moist
					Gray Red Brown		Medium to Coarse Sand to Clayey Silt, some coarse gravel.			
-5		S2	NA	75%	Brown to Gray Brown		Silty Clay, trace coarse gravel.		ND- 3.2 ppm	
							Silt with black mottles, trace fine sand and clay. Trace fine gravel slag.			
-10		S3	NA	100%	Red Brown	Medium Dense	Clayey Silt, some coarse sand to coarse angular to subangular gravel. Disseminated coal tar blebs beginning at 6.0'.	SM	2.0 ppm	Wet
							Silty Fine Sand, some fine to coarse rounded to angular gravel, trace clay. Coal tar blebs disseminated throughout.			
-15							End of Boring at 10.5'. Refusal on probable bedrock.			
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (6-8' + DUP-06) and (8.5-10.5') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide
 Also collected samples from (8.5-10.5') for analysis of NOD and TOC.

URS Corporation

TEST BORING LOG

PROJECT/PROJECT LOCATION: Lockport Former MGP Site						BORING NO.: GB-43	
CLIENT: NYSEG						SHEET: 1 OF 1	
BORING CONTRACTOR: Geologic NY, Inc						JOB NO.: 11173973.84300	
GROUNDWATER:						NORTHING: 1154034.67 EASTING: 1118171.28	
CAS.						GROUND ELEVATION: 599.8'	
SAMPLER						DATE STARTED: 6/1/05	
CORE						DATE FINISHED: 6/1/05	
TUBE						DRILLER: Judd Powell	
DATE						GEOLOGIST: Rob Murphy	
TIME						REVIEWED BY: <i>[Signature]</i>	
LEVEL							
TYPE							
TYPE							
DIA.							
WT.							
LENGTH							
* POCKET PENETROMETER READING							

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY				
0	[Cross-hatched pattern]	S1	NA	60%	Brown	Soft	Grass Surface, Organic Silt, some fine gravel.	FILL	ND	Dry
					Red Brown	Medium Dense	Silty Fine Sand, trace coarse sand.			
-5		S2	NA	65%	Gray Brown	Medium	Clayey Silt, some fine to coarse gravel.	SM	ND- 4.5 ppm	Wet
					Gray Red Brown	Medium Dense	Fine Sandy Silt, some Red Mulch/Woodchips. MGP Odor and Sheen. Silty Fine Sand, some coarse sand, trace coarse gravel.			
-10	[Solid black]	S3	NA	75%			Silty Fine Sand, some coarse sand to fine gravel. MGP odor and Sheen. Gray staining 11-12'.			
		S4	NA	100%	Gray		Gasport Dolomite Bedrock Chips.		ND	
-15							End of Boring at 12.5'. Refusal on Bedrock.			
-20										
-25										

COMMENTS: Boring was advanced with a Geoprobe 5400 Rig. ND=Non-detect. NA=Not applicable.
 Collected sample from (5.0-5.5') and (10-12') for analysis of VOCs, SVOCs, PCBs, Phenols, Metals, and T. Cyanide.

BORING NO.: GB-43

ATLANTIC SHALLOW BORING FIELD NOTES

1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900



"Write in the Rain"

ALL-WEATHER

FIELD

Notebook No. 351

Locust Transit St. S. K
Proj No 1281-06-02
5/26/92 - 5/29/92

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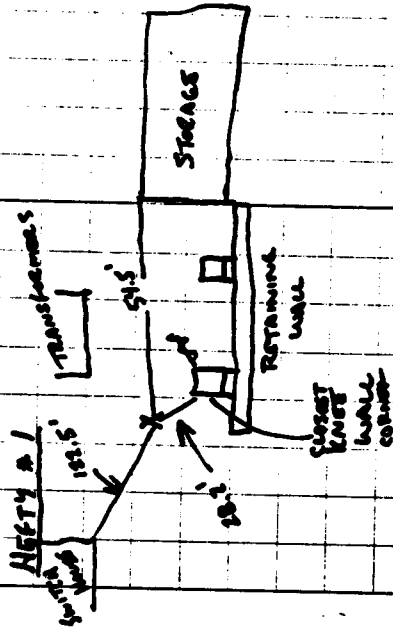
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HEFTY BORINGS

5/27/92 B. PETERIS, R. WAGNER



- 0-1' 0" - GRAVEL & BROWN FILL
- 1-2.5' 0" - GRAVEL w/ CHALK SATURATION
- 2.5' 0" - REFUSAL

SAMPLE COLLECTED ID# LPK69201-G
from Auger Spoil ~ 2-4' interval

HEFTY # 02 - REFUSAL @ 2.5' - PROBABLE FOUNDATION

NO SAMPLE TAKEN

0-2.5' CLEAN BROWN FILL w/ SOME GRAVEL

DIST TO FOUND CORNER - 63.0'

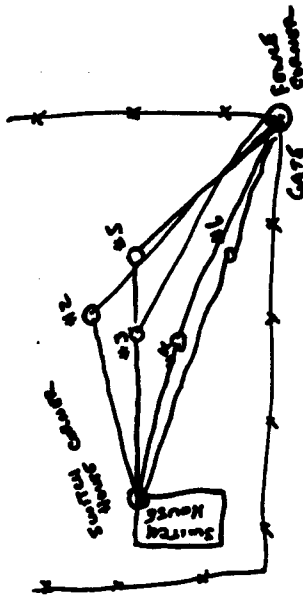
DIST TO SWITCH HOUSE - 77.0'

HEFTY # 03 - SET # 2

DIST TO FOUND CORNER - 62.0'

DIST TO SWITCH HOUSE - 76.5'

FIGURE OF REFERENCE
FOR HEFTY # 02 - # 03



HFTY BORINGS

HFTY #04 - SEE HFTY #02

DIST TO FENCE CORNER - 60.0'

DIST TO SWITCH HOUSE - 75.5'

HFTY #05 - SEE HFTY #02

DIST TO FENCE CORNER - 58.5'

DIST TO SWITCH HOUSE - 80.4'

HFTY #06 -

DIST TO FENCE CORNER - 35.5'

DIST TO SWITCH HOUSE - 86.0'

REFUSAL @ 2.5'

0-2.5' - CLEAN BRANNING TILL / SOME COVER SB-6

SAMPLE COLLECTED 1D # LPVPS910616

FROM AUGER SPON. - 0-2' INTERVAL

HFTY #07

0-11' - MIXTURE OF CLINKERS, BRICKS, BRICKS, STONES

FRAGMENTED WATER IN UNMOUNDY PART

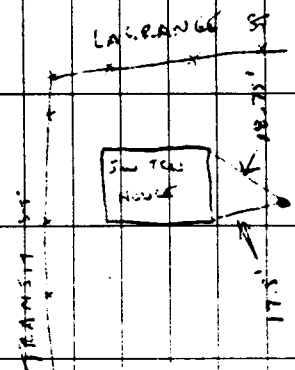
NOT SAMPLED DUE TO LACK OF SOIL

PAGE BRONZE / BLACK IN CORNER / NO OTR

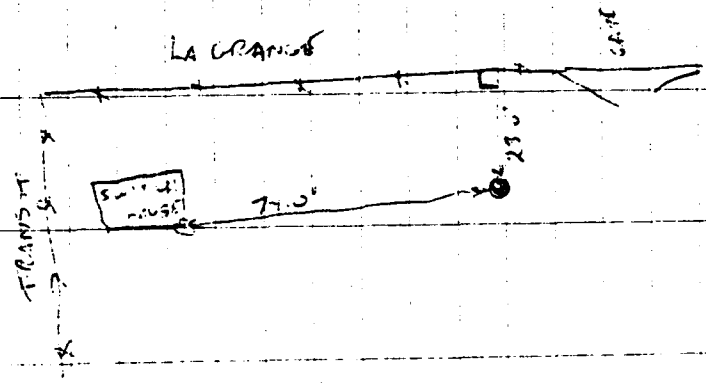
NOTE: FOUND PROBABLE FOUNDATION @ 2' GRST

OF HFTY #07 TUS; BELOW CORNER

FIGURE 4 REFERENCES HFTY #07



Location of Reference for Hefly #08

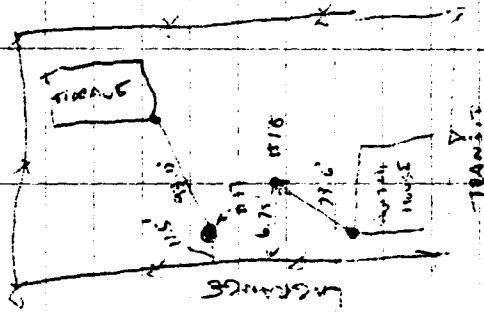
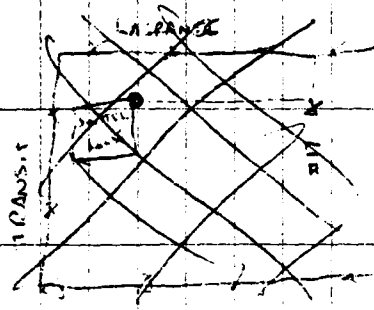


Hefly Bedrock

<u>Hefly #08</u>	0-3' - PLUM (GRAVEL) FILL w/SOME GRAVEL
3'-6'	CLEAN WFTY FINE PINK GRAY SAND SATURATED WITH COAL-TAR
6'	STAINLESS STEEL PIPE FOR LOGS THAT AUGER WENT THROUGH - NO REFLECT
SAMPLE COLLECTED	② # FEB
	ID # LPVPS720B-6
	FROM AUGER SPOIL - 3-6' INTERVAL
<u>Hefly #09</u>	0-1' BRACK, BROKEN BRICK, FILL
1'	REFILL - POSSIBLE CONCRETE FOUNDATION
BASE TO AUGER - 41"	
BASE TO SIGNAGE - 60"	
<u>Hefly #10</u>	SEE REF
BASE TO BRICK - 44"	
BASE TO SIGNAGE - 57"10"	
<u>Hefly #11</u>	SEE REF
BASE TO BRICK - 41"	

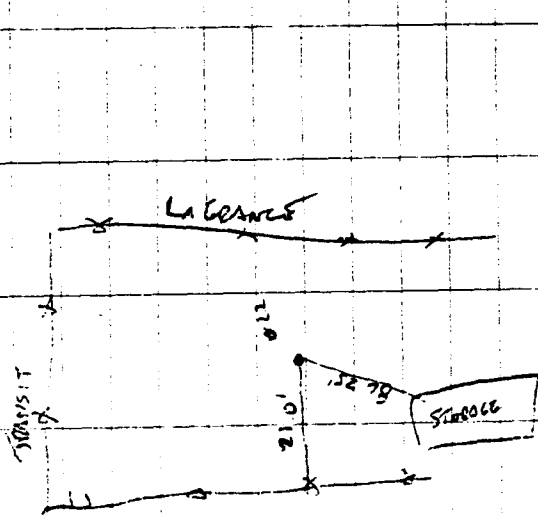
DIS. 1. 11.11.11 - 5613"

Sketch of REFERENCE for HEATH P. 17 & 18

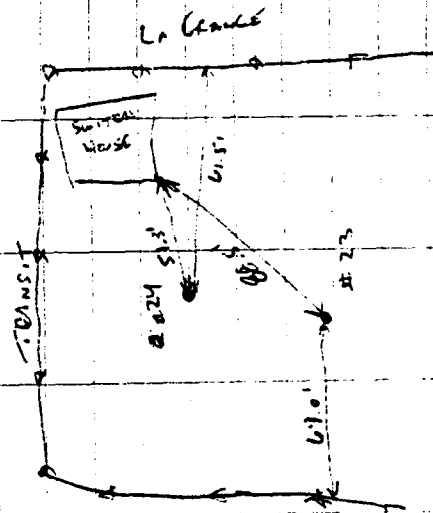


5/28/91	Heath Graves	CONTINUED
	P. BERRAN & R. MERRILL	
HEATH # 17		
0-4'	DARK BROWN GRAVEL FILL	w/
4-6'	DARK BROWN SANDY FILL SOLICATED w/	
	COAL TAR & SMALL GRAVEL MIXED IN	
6'	END OF BURNING ASSESS. BURNING STAGE - NO	
	REUSAL	
	NO SAMPLES COLLECTED	
	DIST TO FENCE ALONG LA. PANE - 11.5'	
	DIST TO CORNER OF SANDY FILL - 93.0'	
HEATH # 18		
0-6'	DARK BROWN FINE CLAYEY SANDY FILL w/ SOME	
	SMALL STONES, BURNT PEARL FRAGMENTS	
	NO TARB. / MIXED - APPROXIMATELY 50% MOIST	
	TABLE @ UNKNOWN DEPTH	
	SAMPLE TAKEN 10# LFVP #17-18	
	FROM 2-4' INTERVAL FROM ANOT SPDL	
	DIST TO FENCE ALONG LA. PANE - 6.75'	
	DIST TO CORNER OF SANDY FILL - 77.6'	
6'	END OF BURNING. BURNING STAGE - NO	
	REUSAL	

MAP & REFERENCE FOR HBT# 22



MAP OF REFERENCE FOR HBT# 23



HBT# 22

0-2.5' - DARK BROWN SANDY FILL w/ RESIDUAL GRAVEL, ~~NO~~ MOIST/NO ODR
 2.5' - REFUSAL - PROBABLE FOUNDATION OF PAD
 DIST TO FENCE - 21.0'
 DIST TO CORNER OF STORAGE - 61.25'
 NO SAMPLE TAKEN

HBT# 23

0-2' - PK. BROWN/BLACK SANDY FILL w/ SMALL GRAVEL
 2-3' - FINE SAND PK. BROW/BLACK SATURATED w/ COAL TAR = VERY STRONG ODR - WATER @ 3'
 3' - END of TUBING - NO REFUSAL
 DIST TO FENCE - 69.0'
 DIST TO CORNER OF STORAGE - 68.5'

HBT# 24

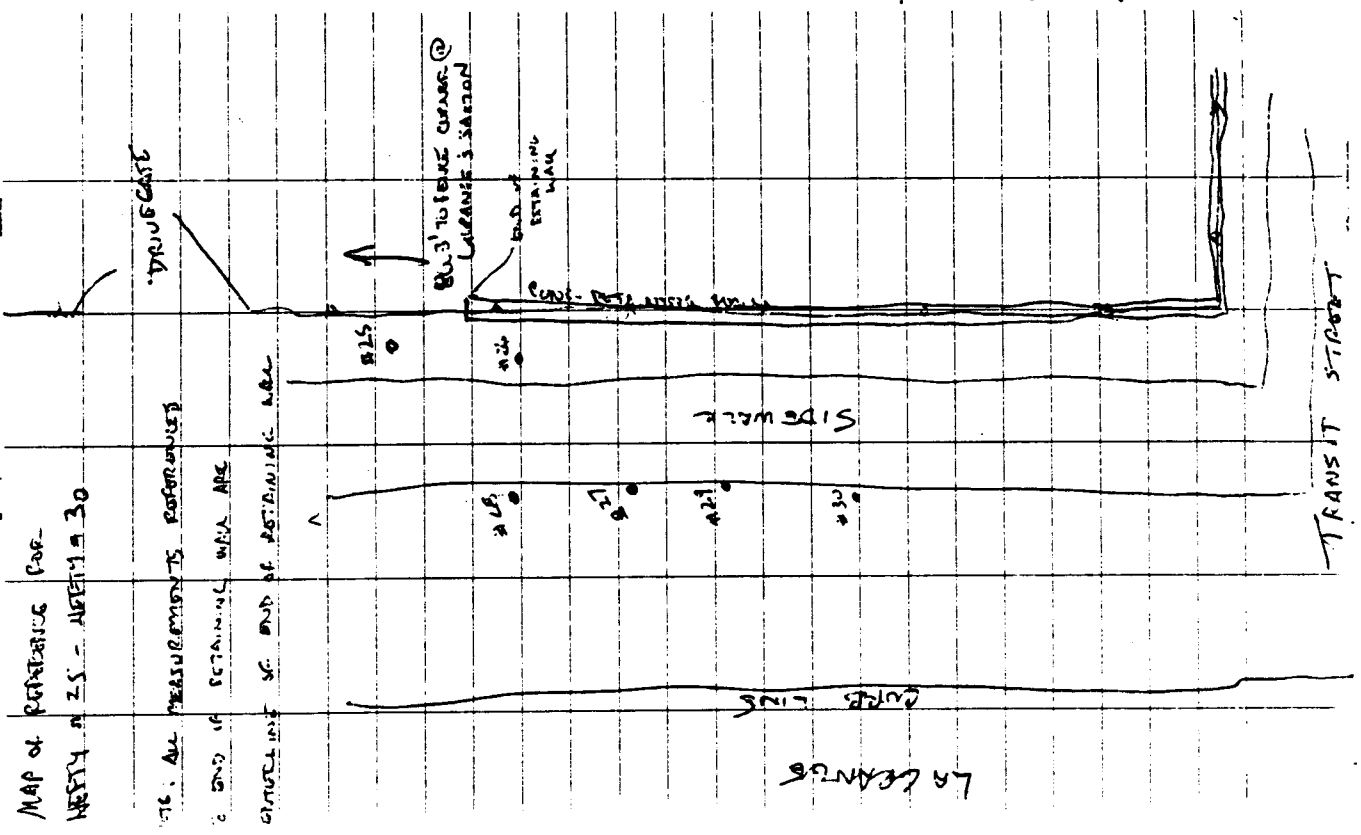
0-1.5' - BLACK MOIST MEDIUM SANDY - SIZED COFFEE-GROUND CONSISTENCY, UNIDENTIFIABLE ODR, STRONG ODR, IDENTIFIED VERY THIN WOOD SHAVINGS INTERMIXED - NO STONES - ~~SOME SMALL GRAVEL~~ ^{SOME SMALL GRAVEL} ~~AGAINST LINK~~
 SAMPLES TAKEN ID # LFVPB9224-G
 TAKEN FROM INNER EDGE OF GIPING @ 0-1' INTERNAL
 DIST TO FENCE @ LA GRANGE - 61.51'
 DIST TO CORNER OF STORAGE - 51.5'

MAP OF RETAINING WALL

WEST 25 - WEST 30

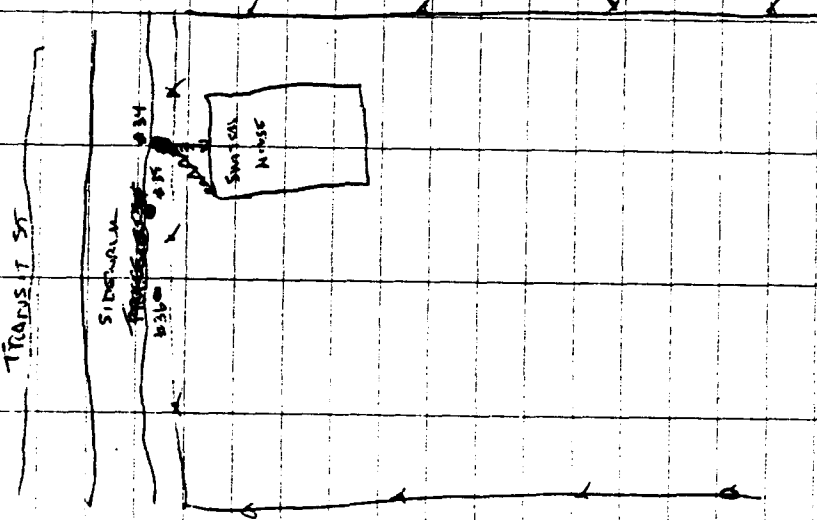
ALL MEASUREMENTS REFERENCED TO END OF RETAINING WALL ARE

CIRCUMFERENCE END OF RETAINING WALL



WEST 25	0-0.5' - GRAVEL & COBBLES	0.5' - REFUSAL - CONCRETE - POSSIBLE DUCT COVERING	NO SAMPLE	15" FROM FENCE ALONG LA GRANGES (OUTSIDE SUBSTATION)	DIST FROM FENCE CORNER @ CALCULATED AND SECTION - 63.5'
WEST 26	0-5' - GRAVEL w/ MED. SAND TOPSOIL TYPE SOIL - NO OBS. NO WATER	NO SAMPLE TAKEN - NO REFUSAL	2' FROM FENCELINE	7' FROM END OF RETAINING WALL	
WEST 27	0-3' - BROWN TOPSOIL, MED. SAND, FADE OF STONES	3-4' - BROWN CLAY w/ MEDIUM GRAIN GRAVEL, MOIST	4-5.5' - BROWN CLAY w/ MEDIUM COARSE SAND - COAL-TAR	ORDER SAMPLE TAKEN, MOIST - WATER TABLE 4.5.5'	SAMPLE TAKEN - ID# LFVPS9227-6
					DIST TO FENCELINE - 7.3'
					DIST TO END OF RETAINING WALL - 26.0'

MAP OF REFERENCES FOR HPT #34 - HPT #33



HPT #32

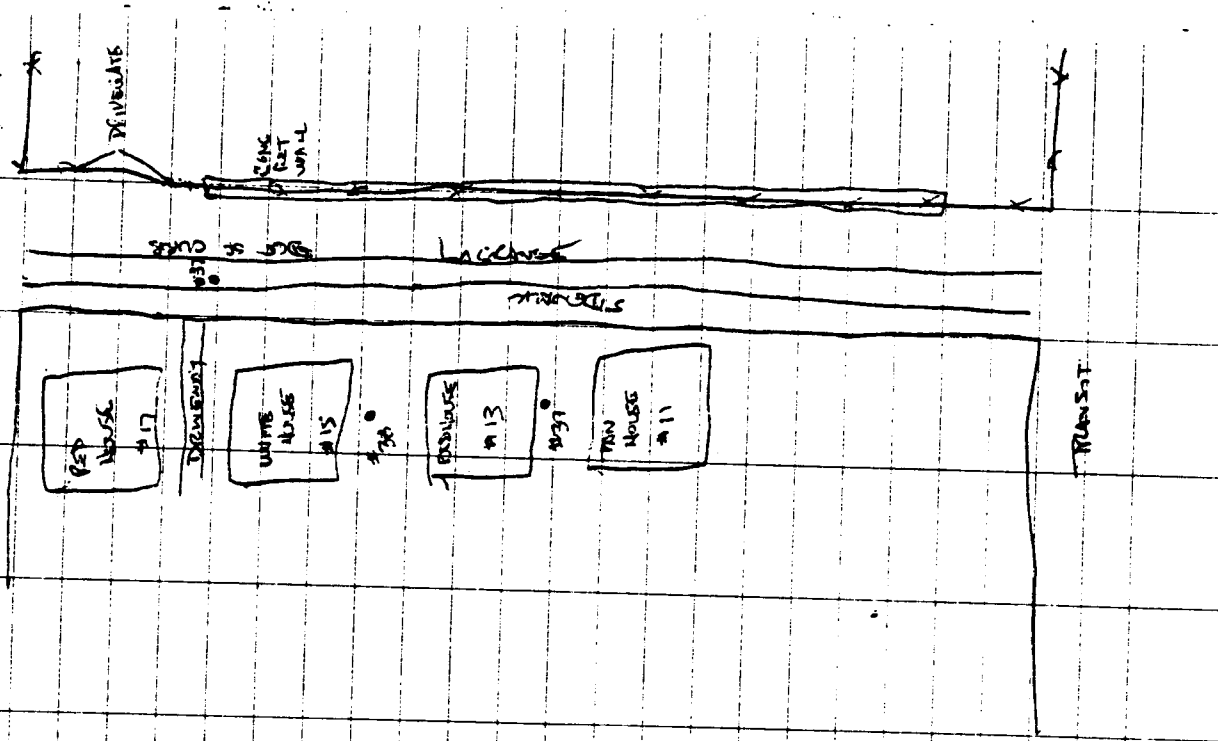
PIE TO FENCELINE @ LAGRANGE - 7.3'
 DIST TO END RET. WALL @ TRANSIT ST. - 23.5'
 0-4' - BROWN SANDY SILT w/ SOME SMALL STONES,
 NO ODOOR, DRY
 4-6' - DK. BROWN MEDIUM SAND SATURATED w/ COAL
 TAR, MOIST, COAL-TAR ODOOR
 NO SAMPLE TAKEN - NO RETRIEVAL

HPT #33

DIST TO FENCELINE @ LAGRANGE - 1.8'
 DIST PART END OF RET WALL TOWARD TRANSIT ST - 16.3'
 0-1.5' - DK. BROWN ^{MEDIUM} SAND w/ 50%
 AHHHE BEINGS & RUBBLE
 1.5' - RETRIEVAL - CONCRETE ALONG BOTTOM OF
 HOLE + NO ODOOR
 NO SAMPLE TAKEN

5/27/92	HEATH CEMINIS	CONTINUOUS
<u>HEATH #31</u>		
0-3.5'	DK BROWN MOD SAND w/ SOME SMALL GRAVEL, MOIST	
3.5-4.0'	DK BROWN - BLACK MEDIUM SAND w/ SOME SMALL GRAVEL, MOIST, w/ COAL TAR LOOKING LIKE SATURATION BUT DOES MORE LIKE THAT OF SEWAGE (NEAR SEWERLINE) - COAL TAR TENDS TO BE WATERBLE	
	DISK TO FENCE CORNER @ TRANSIT'S LA GRANGE - 2.0'	
	DISK TO CORNER OF SUMMIT HOUSE - 1.5'	
	NO SAMPLE TAKEN	
<u>HEATH #35</u>		
	DISK TO FENCE CORNER @ TRANSIT'S LA GRANGE - 35.3'	
	DISK TO FENCE ALONG TRANSIT - 15'	
0-3'	BROWN MEDIUM SAND w/ SOME SMALL GRAVEL, MOIST	
3-4'	BROWN MEDIUM SAND w/ SOME SMALL GRAVEL, SATURATED w/ COAL TAR, MOIST	
4'	DISK NE BURNING - NO REFUSAL	
	NO SAMPLE TAKEN	

MAP of REFERENCE - HFTY #37 - #29
SOUTH



HFTY #36	DIST TO FENCE ALONG TRACT 7 33	1.5'	TRANS 73 CAGRAUGE 53 0'
	0-4' - BROWN MEDIUM SAND w/ some small GRAVEL		
	4-6' - BROWN MEDIUM SAND w/ some SMALL GRAVEL		
	6' - SATURATED w/ COAL TAR & MOIST		
	NO SAMPLES TAKEN		
HFTY #37	0-8' - TX BROWN MOIST MEDIUM SAND w/ SOME SMALL GRAVEL		
	8-11' - MOIST LIVER COATED (GRAVELY SAND) VERY FINE CLAYEY SILT w/ ML STONES - NO GDRS, COHESIVE		
	SAMPLE TAKEN ID# LPVPR9237-6		
	FROM AUGER SPILL TO 9-11' INTERVAL		
	11' - END OF BORING - NO REFUSAL		
	DIST TO FENCE CURVE @ CAGRAUGE 53 0'		
	DIST TO END OF CONC. RET. WALL - 41.5'		

