

Geologic Log

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-1

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Associated Environmental Services, Ltd.		Method: Hand Geoprobe		Ground Elevation
Date Started: 6/3/2005		Date Completed: 6/3/2005		NM
Completion Depth: 6.5 feet (from elevator shaft grade)		ENVIROTRAC Geologist: Jeff Bohlen		Measuring Point Elevation
				NM

Well Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	OVM (ppm)	
No Well Installed	0	NA	NA	432	0' - 6.5' (drilled with Hand Geoprobe) 0' - 8" - Concrete. 8" - 6.5' - Medium to coarse grained brown to grey sand and angular gravel saturated with oil from approximately 8 inches to 2.5 feet. Soil sample collected from 3.5 to 5.5 feet. Refusal at 6.5 feet. Ground-water sample collected at 6 feet; slight sheen and odor, slow recharge.
	5				
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LEGEND:					
<div><div></div></div>	Native Material				
<div><div></div></div>	Bentonite				
<div><div></div></div>	Cement				
<div><div></div></div>	Morie Silica				
<div><div></div></div>	Screen				
<div><div></div></div>	Top/End Cap				
<u>Well Construction Details</u>					
Bottom of Well:					
Screen Zone:					
Screen material:					
Casing material:					
Gravel Pack:					

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-2

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Associated Environmental Services, Ltd.		Method: Hand Geoprobe		Ground Elevation
Date Started: 7/28/2005		Date Completed: 7/28/2005		NM
Completion Depth: 2 feet (from elevator shaft grade)		ENVIROTRAC Geologist: Mike Alliegro		Measuring Point Elevation
				NM

Well Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	OVM (ppm)	
No Well Installed	0	NA	NA	113	0' - 2' (drilled with Hand Geoprobe) Fine grained brown to black sand. Moist, slight odor. Soil sample collected from 0 to 2 feet. Refusal at 2 feet.
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LEGEND:					
<div><div></div><div>Native Material</div></div>					
<div><div></div><div>Bentonite</div></div>					
<div><div></div><div>Cement</div></div>					
<div><div></div><div>Morie Silica</div></div>					
<div><div></div><div>Screen</div></div>					
<div><div></div><div>Top/End Cap</div></div>					
<div>Well Construction Details</div> <div>Bottom of Well: Screen Zone: Screen material: Casing material: Gravel Pack:</div>					

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-3

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Associated Environmental Services, Ltd.		Method: Hand Geoprobe		Ground Elevation
Date Started: 7/28/2005		Date Completed: 7/28/2005		NM
Completion Depth: 2 feet (from elevator shaft grade)		ENVIROTRAC Geologist: Mike Alliegro		Measuring Point Elevation
				NM

Well Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	OVM (ppm)	
No Well Installed	0	NA	NA	127	0' - 2' (drilled with Hand Geoprobe) Fine grained brown to black sand some fill material. Dry, odor. Soil sample collected from 0 to 2 feet. Refusal at 2 feet.
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LEGEND:					
<div><div><div></div></div>Native Material</div>					
<div><div><div></div></div>Bentonite</div>					
<div><div><div></div></div>Cement</div>					
<div><div><div></div></div>Morie Silica</div>					
<div><div><div></div></div>Screen</div>					
<div><div><div></div></div>Top/End Cap</div>					
Well Construction Details					
Bottom of Well:					
Screen Zone:					
Screen material:					
Casing material:					
Gravel Pack:					

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-4

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Associated Environmental Services, Ltd.		Method: Hand Geoprobe		Ground Elevation
Date Started: 7/28/2005		Date Completed: 7/28/2005		NM
Completion Depth: 4.5 feet (from elevator shaft grade)		ENVIROTRAC Geologist: Mike Alliegro		Measuring Point Elevation
				NM

Well Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	OVM (ppm)	
No Well Installed	0	NA	NA	43	0' - 4.5' (drilled with Hand Geoprobe) Medium to fine grained brown to black sand some fill material. Dry, slight odor. Soil sample collected from 0 to 4.5 feet. Refusal at 4.5 feet.
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LEGEND:					
<div><div><div></div></div> Native Material</div>					
<div><div><div></div></div> Bentonite</div>					
<div><div><div></div></div> Cement</div>					
<div><div><div></div></div> Morie Silica</div>					
<div><div><div></div></div> Screen</div>					
<div><div><div></div></div> Top/End Cap</div>					
<div>Well Construction Details</div> <div>Bottom of Well:</div> <div>Screen Zone:</div> <div>Screen material:</div> <div>Casing material:</div> <div>Gravel Pack:</div>					

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-5

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Associated Environmental Services, Ltd.		Method: Hand Geoprobe		Ground Elevation
Date Started: 7/28/2005		Date Completed: 7/28/2005		NM
Completion Depth: 8 feet (from elevator shaft grade)		ENVIROTRAC Geologist: Mike Alliegro		Measuring Point Elevation
				NM

Well Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
No Well Installed	0	NA	NA	98	0' - 4' (drilled with Hand Geoprobe) Coarse to medium grained brown to black sand and fill material. Dry, slight odor. Soil sample collected from 0 to 4 feet.
	5	NA	NA	512	4' - 8' (drilled with Hand Geoprobe) Medium to fine grained dark brown sand trace rock fragments. Wet at approximately 8 feet, strong odor. Soil sample collected from 4 to 8 feet.
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<p>LEGEND:</p> <p><input type="checkbox"/> Native Material</p> <p><input checked="" type="checkbox"/> Bentonite</p> <p><input checked="" type="checkbox"/> Cement</p> <p><input type="checkbox"/> Morie Silica</p> <p><input type="checkbox"/> Screen</p> <p><input checked="" type="checkbox"/> Top/End Cap</p> <p style="text-align: right;"><u>Well Construction Details</u></p> <p>Bottom of Well: Screen Zone: Screen material: Casing material: Gravel Pack:</p>					

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-6

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Associated Environmental Services, Ltd.		Method: Hand Geoprobe		Ground Elevation
Date Started: 7/28/2005		Date Completed: 7/28/2005		NM
Completion Depth: 2 feet (from elevator shaft grade)		ENVIROTRAC Geologist: Mike Alliegro		Measuring Point Elevation
				NM

Well Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	OVM (ppm)	
No Well Installed	0	NA	NA	77	0' - 2' (drilled with Hand Geoprobe) Fine grained brown to black sand trace fill material. Dry, slight odor. Soil sample collected from 0 to 2 feet. Refusal at 2 feet.
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LEGEND:					
<div><div></div><div>Native Material</div></div>					
<div><div></div><div>Bentonite</div></div>					
<div><div></div><div>Cement</div></div>					
<div><div></div><div>Morie Silica</div></div>					
<div><div></div><div>Screen</div></div>					
<div><div></div><div>Top/End Cap</div></div>					
Well Construction Details					
Bottom of Well:					
Screen Zone:					
Screen material:					
Casing material:					
Gravel Pack:					

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of SB-7

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Associated Environmental Services, Ltd.		Method: Hand Geoprobe		Ground Elevation
Date Started: 7/28/2005		Date Completed: 7/28/2005		NM
Completion Depth: 3 feet (from elevator shaft grade)		ENVIROTRAC Geologist: Mike Alliegro		Measuring Point Elevation
				NM

Well Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco-very (in.)	Blow per 6 in.	OVM (ppm)	
No Well Installed	0	NA	NA	92	0' - 3' (drilled with Hand Geoprobe) Medium to fine grained brown sand trace fill material. Dry, odor. Soil sample collected from 0 to 3 feet. Refusal at 3 feet.
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LEGEND:					
<div><div></div><div>Native Material</div></div>					
<div><div></div><div>Bentonite</div></div>					
<div><div></div><div>Cement</div></div>					
<div><div></div><div>Morie Silica</div></div>					
<div><div></div><div>Screen</div></div>					
<div><div></div><div>Top/End Cap</div></div>					
<div>Well Construction Details</div> <div>Bottom of Well: Screen Zone: Screen material: Casing material: Gravel Pack:</div>					

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log & Well Construction Details

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-1

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Aquifer Drilling & Testing, Inc.		Method: Hollow Stem Auger/Air Rotary		Ground Elevation
Date Started: 6/22/2005		Date Completed: 6/23/2005		96.43 feet (relative)
Completion Depth: 37.5 feet		ENVIROTRAC Geologist: Tom Bosshard		Measuring Point Elevation
				95.97 feet (relative)

MW-1 Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
	0	NA	NA	0	0' - 5' (pre-cleared with Vactron) Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.
	5	NM*	NM*	NM*	5' - 14' (drilled with Hollow Stem Augers) Medium to fine grained dark brown sand and cobbles and gravel. Dry, no odor.
	10				
	15	NM*	NM*	NM*	14' - 17' (drilled with Air Rotary) Boulder encountered from 14 to 17 feet. Dry, no odor.
	20	NM*	NM*	NM*	17' - 37.5' (drilled with Hollow Stem Augers) Fine grained to silty dark brown to reddish sand and cobbles and gravel. Wet at approximately 24 feet, no odor.
	25				<p>* Due to encountered geology, split-spoon samples could not be obtained. The lack of drill cuttings during borehole advancement did not allow for soil sample collection.</p>
	30				
	35				
	40				

LEGEND:

	Native Material
	Bentonite
	Cement
	Morie Silica
	Screen
	Top/End Cap

Well Construction Details

Bottom of Well: 37.5'
Screen Zone: 37.5' - 12.5'
Screen material: 2" # 20 slot, Schedule 40 PVC
Casing material: 2" Schedule 40 PVC
Gravel Pack: Morie #2
Cement Surface

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water


Geologic Log & Well Construction Details

EnviroTrac Ltd.







80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-2

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY	Date 8/25/2005	DTW 25.97
Drilling Company: Aquifer Drilling & Testing, Inc.		Method: Hollow Stem Auger/Air Rotary	Ground Elevation 97.18 feet (relative)	
Date Started: 6/23/2005		Date Completed: 6/27/2005	Measuring Point Elevation 96.69 feet (relative)	
Completion Depth: 36 feet		ENVIROTRAC Geologist: Tom Bosshard		

MW-2 Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
	0	NA	NA	0	0' - 8' (pre-cleared with Vactron) Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.
	5	NM*	NM*	NM*	8' - 14' (drilled with Hollow Stem Augers) Medium to fine grained dark brown sand and cobbles and gravel. Dry, no odor.
	10	NM*	NM*	NM*	14' - 17' (drilled with Air Rotary) Boulder encountered from 14 to 17 feet. Dry, no odor.
	15	NM*	NM*	NM*	17' - 36' (drilled with Hollow Stem Augers) Fine grained to silty dark brown to reddish sand and cobbles and gravel. Wet at approximately 24 feet, no odor.
	20				
	25				
	30				
	35				
	40				

LEGEND:

-  Native Material
-  Bentonite
-  Cement
-  Morie Silica
-  Screen
-  Top/End Cap

Well Construction Details

Bottom of Well: 36'
Screen Zone: 36' - 11'
Screen material: 2" # 20 slot, Schedule 40 PVC
Casing material: 2" Schedule 40 PVC
Gravel Pack: Morie #2
Cement Surface

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water


Geologic Log & Well Construction Details

EnviroTrac Ltd.







80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-3

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY	Date 8/25/2005	DTW 23.72
Drilling Company: Aquifer Drilling & Testing, Inc.		Method: Hollow Stem Auger/Air Rotary	Ground Elevation 95.93 feet (relative)	
Date Started: 6/27/2005		Date Completed: 6/28/2005	Measuring Point Elevation 95.68 feet (relative)	
Completion Depth: 38 feet		ENVIROTRAC Geologist: Tom Bosshard/Frank Jiran		

MW-3 Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
	0	NA	NA	0	0' - 6' (pre-cleared with Vactron) Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.
	5	NM*	NM*	NM*	6' - 24' (drilled with Hollow Stem Augers) Medium to fine grained dark brown sand and cobbles and gravel. Small boulders encountered at 10 feet and 16 feet. Large boulder encountered at 18 feet. Dry, no odor.
	10				
	15				
	20				
	25	NM*	NM*	NM*	24' - 38' (drilled with Air Rotary) Apparent bedrock encountered from 24 feet to 38 feet. Wet at approximately 25 feet, no odor.
	30				
	35				
	40				

LEGEND:

-  Native Material
-  Bentonite
-  Cement
-  Morie Silica
-  Screen
-  Top/End Cap

Well Construction Details

Bottom of Well: 38'
Screen Zone: 38' - 13'
Screen material: 2" # 20 slot, Schedule 40 PVC
Casing material: 2" Schedule 40 PVC
Gravel Pack: Morie #2
Cement Surface

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

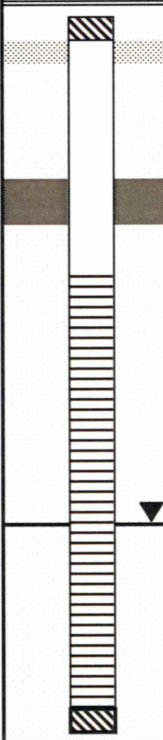
Geologic Log & Well Construction Details

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-4

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Aquifer Drilling & Testing, Inc.		Method: Hollow Stem Auger		Ground Elevation
Date Started: 6/28/2005		Date Completed: 6/29/2005		95.22 feet (relative)
Completion Depth: 38 feet		ENVIROTRAC Geologist: Frank Jiran		Measuring Point Elevation
				94.32 feet (relative)

MW-4 Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
	0	NA	NA	0	0' - 6' (pre-cleared with Vactron) Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.
	5	NM*	NM*	NM*	6' - 38' (drilled with Hollow Stem Augers) Medium to fine grained to silty dark brown to reddish sand and cobbles and gravel. Wet at approximately 36 feet, petroleum odor. Refusal at 38 feet.
	10				
	15				* Due to encountered geology, split-spoon samples could not be obtained. The lack of drill cuttings during borehole advancement did not allow for soil sample collection.
	20				
	25				
	30				
	35				
	40				

LEGEND:

	Native Material
	Bentonite
	Cement
	Morie Silica
	Screen
	Top/End Cap

Well Construction Details

Bottom of Well: 38'
Screen Zone: 38' - 13'
Screen material: 2" # 20 slot, Schedule 40 PVC
Casing material: 2" Schedule 40 PVC
Gravel Pack: Morie #2
Cement Surface

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log & Well Construction Details

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-5

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility	Address: 555 W. 34th St., New York, NY	Date 8/25/2005	DTW 20.05	approximately 25 feet above mean sea level
Drilling Company: Aquifer Drilling & Testing, Inc.	Method: Hollow Stem Auger/Air Rotary			Ground Elevation
Date Started: 7/28/2005	Date Completed: 8/1/2005			94.15 feet (relative)
Completion Depth: 32.5 feet	ENVIROTRAC Geologist: Tom Bosshard/Mike Alliegro			Measuring Point Elevation
				93.90 feet (relative)

MW-5 Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
	0	NA	NA	0	0' - 5' (pre-cleared with Vacutron) Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.
	5	NM*	NM*	NM*	5' - 16' (drilled with Hollow Stem Augers) Medium to fine grained dark brown sand and cobbles and gravel. Small boulder encountered at 6 feet. Large boulder encountered at 15 feet. Dry, no odor.
	10				
	15	NM*	NM*	NM*	16' - 32.5' (drilled with Air Rotary) Apparent bedrock encountered from 16 feet to 32.5 feet. Wet at approximately 24 feet, no odor.
	20				
	25				
	30				
	35				
	40				

LEGEND:

	Native Material
	Bentonite
	Cement
	Morie Silica
	Screen
	Top/End Cap

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Well Construction Details

Bottom of Well: 32.5'
Screen Zone: 32.5' - 7.5'
Screen material: 2" # 10 slot, Schedule 40 PVC
Casing material: 2" Schedule 40 PVC
Gravel Pack: Morie #1
Cement Surface

Geologic Log & Well Construction Details

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-6

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Aquifer Drilling & Testing, Inc.		Method: Hollow Stem Auger/Air Rotary		Ground Elevation
Date Started: 8/1/2005		Date Completed: 8/3/2005		84.35 feet (relative)
Completion Depth: 13.5 feet (from basement grade)		ENVIROTRAC Geologist: Mike Alliegro/Tom Hug		Measuring Point Elevation
				84.03 feet (relative)

MW-6 Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
	0	NM*	NM*	NM*	0' - 10' (drilled with Hollow Stem Augers) Medium to fine grained brown to grey sand trace fill material (concrete, brick, wood) and gravel. Dry, no odor.
	10	NM*	NM*	NM*	10' - 13.5' (drilled with Air Rotary) Apparent bedrock encountered from 10 feet to 13.5 feet. Wet at approximately 12.5 feet, no odor. Refusal at 13.5 feet.
	15				* Due to encountered geology, split-spoon samples could not be obtained. The lack of drill cuttings during borehole advancement did not allow for soil sample collection.
	20				
	25				
	30				
	35				
	40				

LEGEND:

- Native Material
- Bentonite
- Cement
- Morie Silica
- Screen
- Top/End Cap

Well Construction Details

Bottom of Well: 13.5'
Screen Zone: 13.5' - 3.5'
Screen material: 2" # 10 slot, Schedule 40 PVC
Casing material: 2" Schedule 40 PVC
Gravel Pack: Morie #1
Cement Surface

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log & Well Construction Details

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-7

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility	Address: 555 W. 34th St., New York, NY	Date 8/25/2005	DTW 25.40	approximately 25 feet above mean sea level
Drilling Company: Aquifer Drilling & Testing, Inc.	Method: Hollow Stem Auger/Air Rotary	Ground Elevation 94.91 feet (relative)		
Date Started: 8/9/2005	Date Completed: 8/10/2005	Measuring Point Elevation 94.44 feet (relative)		
Completion Depth: 36 feet	ENVIROTRAC Geologist: Mike Alliegro/Tom Hug			

MW-7 Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
	0	NA	NA	0	0' - 5' (pre-cleared with Vactron) Fill material (concrete, brick, wood) with medium to fine grained brown sand and gravel. Dry, no odor.
	5	NM*	NM*	NM*	5' - 10' (drilled with Hollow Stem Augers) Fill material (concrete, brick, wood) with medium to fine grained brown sand and gravel. Dry, no odor.
	10	NM*	NM*	NM*	10' - 17' (drilled with Hollow Stem Augers) Coarse to medium grained brown sand some gravel trace fill material (concrete, brick). Dry, no odor.
	15	NM*	NM*	NM*	17' - 36' (drilled with Air Rotary) Apparent bedrock encountered from 17 feet to 36 feet. Wet at approximately 25 feet, no odor.
	20				
	25				
	30				
	35				
	40				

LEGEND:

- Native Material
- Bentonite
- Cement
- Morie Silica
- Screen
- Top/End Cap

Well Construction Details

Bottom of Well: 36'
Screen Zone: 36' - 16'
Screen material: 2" # 10 slot, Schedule 40 PVC
Casing material: 2" Schedule 40 PVC
Gravel Pack: Morie #1
Cement Surface

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water


Geologic Log & Well Construction Details

EnviroTrac Ltd.







80 B Air Park Drive, Ronkonkoma, New York 11779

Log of MW-8

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum	
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		Date 8/25/2005	DTW 19.02
Drilling Company: Aquifer Drilling & Testing, Inc.		Method: Hollow Stem Auger/Air Rotary		Ground Elevation 95.08 feet (relative)	
Date Started: 8/10/2005		Date Completed: 8/11/2005		Measuring Point Elevation 94.84 feet (relative)	
Completion Depth: 38 feet		ENVIROTRAC Geologist: Mike Alliegro/Tom Hug			

MW-8 Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
	0	NA	NA	0	0' - 5' (pre-cleared with Vactron) Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.
	5	NM*	NM*	NM*	5' - 10' (drilled with Hollow Stem Augers) Coarse to medium grained brown sand and fill material (concrete, brick, wood) trace gravel. Dry, no odor.
	10	NM*	NM*	NM*	10' - 17' (drilled with Hollow Stem Augers) Coarse to medium grained brown sand some gravel trace fill material (concrete, brick, wood). Dry, no odor.
	15	NM*	NM*	NM*	17' - 38' (drilled with Air Rotary) Apparent bedrock encountered from 17 feet to 38 feet. Wet at approximately 20 feet, no odor.
	20				
	25				
	30				
	35				
	40				

LEGEND:

-  Native Material
-  Bentonite
-  Cement
-  Morie Silica
-  Screen
-  Top/End Cap

Well Construction Details

Bottom of Well: 38'
Screen Zone: 38' - 13'
Screen material: 2" # 10 slot, Schedule 40 PVC
Casing material: 2" Schedule 40 PVC
Gravel Pack: Morie #1
Cement Surface

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water

Geologic Log

EnviroTrac Ltd.

80 B Air Park Drive, Ronkonkoma, New York 11779

Log of Refusal Boring

Client: Verizon New York, Inc.		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: West 34th Street Facility		Address: 555 W. 34th St., New York, NY		approximately 25 feet above mean sea level
Drilling Company: Aquifer Drilling & Testing, Inc.		Method: ODEX/Air Rotary		Ground Elevation
Date Started: 7/25/2005		Date Completed: 7/27/2005		NM
Completion Depth: 12 feet		ENVIROTRAC Geologist: Tom Bosshard		Measuring Point Elevation
				NM

Well Construction (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	OVM (ppm)	
No Well Installed	0	NA	NA	0	0' - 5' (hang-dug) Medium to fine grained brown to dark brown sand and fill material (concrete, brick, wood) and gravel. Dry, no odor.
	5	NM*	NM*	NM*	6' - 12' (drilled with ODEX/Air Rotary) Medium to fine grained brown to dark brown sand and cobbles and gravel. Refusal at 12 feet.
	10				
	15				
	20				
	25				
	30				
	35				
	40				
<p>* Due to encountered geology, split-spoon samples could not be obtained. The lack of drill cuttings during borehole advancement did not allow for soil sample collection.</p>					
<p>LEGEND:</p> <p><input type="checkbox"/> Native Material</p> <p><input checked="" type="checkbox"/> Bentonite</p> <p><input checked="" type="checkbox"/> Cement</p> <p><input type="checkbox"/> Morie Silica</p> <p><input type="checkbox"/> Screen</p> <p><input checked="" type="checkbox"/> Top/End Cap</p> <p><u>Well Construction Details</u></p> <p>Bottom of Well: Screen Zone: Screen material: Casing material: Gravel Pack:</p>					

NTS - Not to Scale

NM - Not Measured

NA - Not Applicable

DTW - Depth to Water



SOIL BORING LOG

Date: 9/28/2005 - 11/05/05
Site ID: 7West/Site P
Borehole ID: GP-1
Rig: Geoprobe 540LT/6610DT
Tooling: MC
Lead Driller: E. Moratis, ZEBRA Environmental Corp., V. Webb, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PiD reading
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8"-12"	N/A	Hand-augered, wet sand and gravel. Refusal at 1'. Moved over	0.0
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8"-3'	N/A	Hand-augered, wet fill material.	0.0
3'-5'	N/A	Wet fill, brick fragments. Refusal at 5' BG. Moved over.	0.0
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8"-3'	N/A	Hand-augered, wet fill material.	0.0
3'-5'	N/A	Wet fill, brick fragments. Refusal at 5.5' BG. Location abandoned.	0.0
		Return to the same location with 6610DT Geoprobe	
0-4"	N/A	Concrete, drilled with rotary bit.	0.0
4" - 4'	N/A	Concrete dust/voids.	0.0
4' - 10'	N/A	Brown/black sandy silt, some brick fragments.	0.0
10' - 13'	N/A	Brown/black sandy silt, some brick fragments. Refusal at 13' BG. Sample barrel damaged.	0.0



SOIL BORING LOG

Date: 9/28/2005 - 11/05/05
Site ID: 7West/Site P
Borehole ID: GP-2
Rig: Geoprobe 540LT/6610DT
Tooling: MC
Lead Driller: E. Moratis, ZEBRA Environmental Corp., V. Webb, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
3'-5'	N/A	Wet fill, brick fragments. Refusal at 5.5' BG. Location abandoned.	0.0
		Return to the same location with 6610DT Geoprobe	
0-4"	N/A	Concrete, drilled with rotary bit. Petroleum odor from underneath the slab.	1.0
4" - 4'	N/A	Voids/concrete dust.	0.0
4' - 10'	N/A	Light brown to grey silty sand. Rock fragments.	0.0
10' - 14'	N/A	Tan to brown silty sand, some brick and rock fragments.	0.0
14' - 18'	N/A	Dark brown silty sand, some clay.	0.0
18' - 20'	N/A	Dark brown silty sand, some clay. Refusal at 20' BG	0.0



SOIL BORING LOG

Date: 9/28/2005 - 11/05/05
Site ID: 7West/Site P
Borehole ID: GP-3
Rig: Geoprobe 540LT/6610DT
Tooling: MC
Lead Driller: E. Moratis, ZEBRA Environmental Corp., V. Webb, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8" - 6'	N/A	Soft wet fill, debris, brick and concrete fragments. Refusal.	0.0
		Return to the same location with 6610DT Geoprobe	
0-4"	N/A	Concrete, drilled with rotary bit.	0.0
3" - 4.5'	N/A	Voids/concrete dust and fragments.	0.0
4.5' - 6'	N/A	Crushed concrete.	0.0
6' - 8'	N/A	Rocks, crushed concrete, cinder.	0.0
8' - 10'	N/A	Brown-grey silty sand, moist.	0.0
10' - 11'	N/A	Crushed rock.	0.0
11' - 13'	N/A	Brown-grey silty sand, wet. Strong petroleum odor. Refusal at 13' BG	44.5



SOIL BORING LOG

Date: 9/28/2005
Site ID: 7West/Site P
Borehole ID: GP-4
Rig: Geoprobe 540LT/6610DT
Tooling: MC, SP-15
Lead Driller: E. Morartis, ZEBRA Environmental Corp.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Concrete, cored using a high-speed core drill.	0.0
8" - 4'	N/A	Soft wet fill, debris, brick and concrete fragments.	0.0
4' - 8'	N/A	Dark fill material, crushed rock after 7' BG.	0.0
8' -10'	N/A	Crushed rock.	0.0
10' - 12'	N/A	Soft gray and brown clay with organic fragments.	0.0
12' - 14'	N/A	Brown silt with mica, moist.	0.0
14' - 16'	N/A	Brown clayey silt, wet.	0.0
11' - 16'	N/A	Attempted to collect GW sample. No recharge.	0.0



SOIL BORING LOG

Date: 9/27/2005
Site ID: 7West/Site P
Borehole ID: B-1
Rig: Manual Geoprobe, hand-auger, pick axe and post-hole digger.
Tooling: manual
Lead Driller: I. Friedl, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock, brick , some sand. Moved 4 times before attaining 1' depth.	0.0
1' - 2'	N/A	Crushed rock, brick , some sand, metal fragments, concrete.	0.0
2' - 3'	N/A	Concrete and rock fragments, some dark fill material.	0.0
3' - 4'	N/A	Rock fragments. Refusal at 4' BG	0.0



SOIL BORING LOG

Date: 9/27/2005
Site ID: 7West/Site P
Borehole ID: B-2
Rig: Manual Geoprobe, hand-auger, pick axe and post-hole digger.
Tooling: manual
Lead Driller: I. Friedl, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock, brick, some sand. Moved 2 times before attaining 1' depth between large rock slabs.	0.0
1' - 2'	N/A	Crushed rock, brick, some sand.	0.0
2' - 3'	N/A	Concrete and rock fragments, some dark fill material mixed with sand. Refusal at 3' BG.	0.0



SOIL BORING LOG

Date: 9/27/2005
Site ID: 7West/Site P
Borehole ID: B-3
Rig: Manual Geoprobe, hand-auger, pick axe and post-hole digger.
Tooling: manual
Lead Driller: I. Friedl, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock, brick, some sand. Moved 5 times before attaining 1' depth between large rock slabs.	0.0
1' - 2'	N/A	Crushed rock, brick, some sand, other man-made materials.	0.0
2' - 3'	N/A	Concrete and rock fragments, some sand. Refusal at 3.5' BG.	0.0



SOIL BORING LOG

Date: 9/27/2005
Site ID: 7West/Site P
Borehole ID: B-4
Rig: Manual Geoprobe, hand-auger, pick axe and post-hole digger.
Tooling: manual
Lead Driller: I. Friedl, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock and dark sand, wet.	0.0
1' - 2'	N/A	Wet sand with rock fragments.	0.0
2' - 3'	N/A	Concrete and rock fragments, some sand.	0.0
3' - 4'	N/A	Rock fragments with wet sand. Refusal at 4' BG	0.0



SOIL BORING LOG

Date: 9/27/2005
Site ID: 7West/Site P
Borehole ID: B-5
Rig: Manual Geoprobe, hand-auger, pick axe and post-hole digger.
Tooling: manual
Lead Driller: I. Friedl, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Crushed rock and dark sand, wet.	0.0
1' - 2'	N/A	Wet sand with rock fragments.	0.0
2' - 3'	N/A	Concrete and rock fragments, some sand. Refusal at 3' BG	0.0



SOIL BORING LOG

Date: 9/27/2005
Site ID: 7West/Site P
Borehole ID: B-6
Rig: Manual Geoprobe, hand-auger, pick axe and post-hole digger.
Tooling: manual
Lead Driller: I. Friedl, Precision Sampling, Inc.
Geologist: A. Nadolishny
Weather: 65F, sunny

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0 - 1'	N/A	Dry coarse sand, some wood shavings.	0.0
1' - 2'	N/A	Dry sand with rock fragments. Moved over 2 times to reach 2' BG.	0.0
2' - 3'	N/A	Concrete and rock fragments, some sand.	0.0
3' - 4'	N/A	Rock fragments, some sand.	0.0
4' - 5'	N/A	Crushed rock, some sand and weathered rock. Refusal at 5' BG.	0.0