Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-1)
Date received: 5/23/06	Laboratory ID: 1109685
Date analyzed: See Below	Matrix: Liquid

ANALYTICAL RESULTS

PARAMETER	METHOD	DATE ANALYZED	RESULTS
Chloride	EPA 300.0	5/24/06	62 mg/L
Sulfate (as SO4)	EPA 300.0	5/24/06	44 mg/L
Ammonia (as N)	SM 18 4500-NH3 C	5/26/06	<1.0 mg/L
Nitrate (as N)	EPA 300.0	5/24/06	<1.0 mg/L
Nitrite (as N)	EPA 300.0	5/24/06	<0.5 mg/L
Bromide	EPA 300.0	5/24/06	<1.0 mg/L
Orthophosphate (as P)	EPA 300.0	5/24/06	<1.0 mg/L
Fluoride, Total	EPA 300.0	5/24/06	<1.0 mg/L

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-2)
Date received: 5/23/06	Laboratory ID: 1109703
Date extracted: 5/26/06	Matrix: Liquid
Date analyzed: 5/26/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
ACETONE	62-64-1	5.00 ug/L	<5.00
BENZENE	71-43-2	0.50 ug/L	<0.50
BROMOBENZENE	108-86-1	0.50 ug/L	<0.50
BROMOCHLOROMETHANE	74-97-5	0.50 ug/L	<0.50
BROMODICHLOROMETHANE	75-27-4	0.50 ug/L	<0.50
BROMOFORM	75-25-2	0.50 ug/L	<0.50
BROMOMETHANE	74-83-9	0.50 ug/L	<0.50
2-BUTANONE (MEK)	78-93-3	1.00 ug/L	<1.00
n-BUTYLBENZENE	104-51-8	0.50 ug/L	<0.50
sec-BUTYLBENZENE	135-98-8	0.50 ug/L	<0.50
tert-BUTYLBENZENE	98-06-6	0.50 ug/L	<0.50
CARBON DISULFIDE	75-15-0	0.50 ug/L	<0.50
CARBON TETRACHLORIDE	56-23-5	0.50 ug/L	<0.50
CHLOROBENZENE	108-90-7	0.50 ug/L	<0.50
CHLOROETHANE	75-00-3	0.50 ug/L	<0.50
CHLOROFORM	67-66-3	0.50 ug/L	1.70
CHLOROMETHANE	74-87-3	0.50 ug/L	<0.50
2-CHLOROTOLUENE	95-49-8	0.50 ug/L	<0.50
4-CHLOROTOLUENE	106-43-4	0.50 ug/L	<0.50
CHLORODIBROMOMETHANE	124-48-1	0.50 ug/L	<0.50
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.50 ug/L	<0.50
1,2-DIBROMOETHANE	106-93-4	0.50 ug/L	<0.50
DIBROMOMETHANE	74-95-3	0.50 ug/L	<0.50
1,2-DICHLOROBENZENE	95-50-1	0.50 ug/L	<0.50
1,3-DICHLOROBENZENE	541-73-1	0.50 ug/L	<0.50
1,4-DICHLOROBENZENE	106-46-7	0.50 ug/L	<0.50
DICHLORODIFLUOROMETHANE	75-71-8	0.50 ug/L	<0.50
1,1-DICHLOROETHANE	75-34-3	0.50 ug/L	<0.50
1,2-DICHLOROETHANE	107-06-2	0.50 ug/L	<0.50
1,1-DICHLOROETHENE	75-35-4	0.50 ug/L	<0.50
cis-1,2-DICHLOROETHENE	156-59-2	0.50 ug/L	<0.50
trans-1,2-DICHLOROETHENE	156-60-5	0.50 ug/L	<0.50
1,2-DICHLOROPROPANE	78-87-5	0.50 ug/L	<0.50
1,3-DICHLOROPROPANE	142-28-9	0.50 ug/L	<0.50
2,2-DICHLOROPROPANE	594-20-7	0.50 ug/L	<0.50
1,1-DICHLOROPROPENE	563-58-6	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-2)
Date received: 5/23/06	Laboratory ID: 1109703
Date extracted: 5/26/06	Matrix: Liquid
Date analyzed: 5/26/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
cis[Z]-1,3-DICHLOROPROPENE	10061-01-5	0.50 ug/L	<0.50
Trans[E]-1,3-DICHLOROPROPENE	10061-02-6	0.50 ug/L	<0.50
ETHYLBENZENE	100-41-4	0.50 ug/L	<0.50
HEXACHLOROBUTADIENE	87-68-3	0.50 ug/L	<0.50
2-HEXANONE	591-78-6	0.50 ug/L	<0.50
ISOPROPYLBENZENE	98-82-8	0.50 ug/L	<0.50
p-ISOPROPYLTOLUENE	99-87-6	0.50 ug/L	<0.50
METHYLENE CHLORIDE	75-09-2	0.50 ug/L	<0.50
METHYL ISOBUTYL KETONE (MIBK)	108-10-1	0.50 ug/L	<0.50
MTBE	1634-04-4	0.50 ug/L	<0.50
NAPHTHALENE	91-20-3	0.50 ug/L	<0.50
n-PROPYLBENZENE	103-65-1	0.50 ug/L	<0.50
STYRENE	100-42-5	0.50 ug/L	<0.50
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.50 ug/L	<0.50
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.50 ug/L	<0.50
TETRACHLOROETHENE	127-18-4	0.50 ug/L	<0.50
TOLUENE	108-88-3	0.50 ug/L	<0.50
1,2,3-TRICHLOROBENZENE	87-61-6	0.50 ug/L	<0.50
1,2,4-TRICHLOROBENZENE	120-82-1	0.50 ug/L	<0.50
1,1,1-TRICHLOROETHANE	71-55-6	0.50 ug/L	<0.50
1,1,2-TRICHLOROETHANE	79-00-5	0.50 ug/L	<0.50
TRICHLOROETHENE	79-01-6	0.50 ug/L	<0.50
TRICHLOROFLUOROMETHANE	75-69-4	0.50 ug/L	<0.50
1,2,3-TRICHLOROPROPANE	96-18-4	0.50 ug/L	<0.50
1,2,4-TRIMETHYLBENZENE	95-63-6	0.50 ug/L	<0.50
1,3,5-TRIMETHYLBENZENE	108-67-8	0.50 ug/L	<0.50
VINYL CHLORIDE	75-01-4	0.50 ug/L	<0.50
p & m-XYLENE	1330-20-7	1.00 ug/L	<1.00
o-XYLENE	1330-20-7	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Michael Veraldi

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-2)
Date received: 5/23/06	Laboratory ID: 1109703
Date extracted: 6/2/06	Matrix: Liquid
Date analyzed: 6/2/06	ELAP #: 11693

EPA METHOD 314.0

PARAMETER	MDL	RESULTS ug/L
Perchlorate	4.0 ug/L	<4.0

MDL = Minimum Detection Limit.

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Date extracted: 5/24/06	Matrix: Liquid
Date analyzed: 5/24/06	ELAP #: 11693

EPA METHOD 525.2

PARAMETER	CAS No.	MDL	RESULTS ug/L
HEXACHLOROBENZENE	118-74-1	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)PHTALATE	117-81-7	1.0 ug/L	1.8
BENZO-a-PYRENE	50-32-8	0.2 ug/L	<0.2
PENTACHLOROPHENOL	87-86-5	0.8 ug/L	<0.8
BUTACHLOR	23184-66-9	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)ADIPATE	103-23-1	0.2 ug/L	<0.2
HEXACHLOROCYCLOPENTADIENE	77-47-4	0.2 ug/L	<0.2

MDL = Minimum Detection Limit.

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Date received: 5/23/06	Laboratory ID: 1109703
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 508/551

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALACHLOR	15972-60-8	0.1 ug/L	<0.1
ATRAZINE	1912-24-9	2 ug/L	<2
METOLACHLOR	51218-45-2	5.0 ug/L	<5.0
METRIBUXIN	21087-64-9	5.0 ug/L	<5.0
PROPACHLOR	1918-16-7	5.0 ug/L	<5.0
SIMAZINE	122-34-9	0.2 ug/L	<0.2
1,2-Dibromoethane	106-93-4	0.01 ug/L	<0.01
1,2-Dibromo-3-Chlorpropane	96-12-8	0.1 ug/L	<0.1

MDL = Minimum Detection Limit.

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Date received: 5/23/06	Laboratory ID: 1109703
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 608

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALDRIN	309-00-2	0.01 ug/L	<0.01
α - BHC	319-84-6	0.01 ug/L	<0.01
β - BHC	319-85-7	0.01 ug/L	<0.01
δ - BHC	319-86-8	0.01 ug/L	<0.01
γ - BHC (Lindane)	58-89-9	0.02 ug/L	<0.02
CHLORDANE	12789-03-6	0.02 ug/L	<0.02
4,4'-DDD	72-54-8	0.01 ug/L	<0.01
4,4'-DDE	72-55-9	0.01 ug/L	<0.01
4,4'-DDT	50-29-3	0.05 ug/L	<0.05
DIELDRIN	60-57-1	0.01 ug/L	<0.01
ENDOSULFAN I	959-98-8	0.01 ug/L	<0.01
ENDOSULFAN II	33212-65-9	0.01 ug/L	<0.01
ENDOSULFAN SULFATE	1031-07-8	0.02 ug/L	<0.02
ENDRIN	72-20-8	0.01 ug/L	<0.01
ENDRIN ALDEHYDE	7421-93-4	0.01 ug/L	<0.01
ENDRIN KETONE	53494-70-5	0.02 ug/L	<0.02
HEPTACHLOR	76-44-8	0.01 ug/L	<0.01
HEPTACHLOR EPOXIDE	1024-57-3	0.01 ug/L	<0.01
4,4'-METHOXYCHLOR	72-43-5	0.01 ug/L	<0.01
TOXAPHENE	8001-35-2	20 ug/L	<20
AROCLOR-1016	12674-11-2	20 ug/L	<20
AROCLOR-1221	1104-28-2	20 ug/L	<20
AROCLOR-1232	11141-16-5	20 ug/L	<20
AROCLOR-1242	53469-21-9	20 ug/L	<20
AROCLOR-1248	12672-29-6	20 ug/L	<20
AROCLOR-1254	1109769-1	20 ug/L	<20
AROCLOR-1260	11096-82-5	20 ug/L	<20

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-2)
Date received: 5/23/06	Laboratory ID: 1109703
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 515

PARAMETER	CAS No.	MDL	RESULTS ug/L
Dalapon	75990	20 ug/L	<20
Dicamba	1918009	1.0 ug/L	<1.0
2-,4-D	94757	5.0 ug/L	<5.0
2,4,5-TP (Silvex)	93721	5.0 ug/L	<5.0
Dinoseb	88857	0.5 ug/L	<0.05
Picloram	1918021	5.0 ug/L	<5.0

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-2)
Date received: 5/23/06	Laboratory ID: 1109703
Date extracted: 5/26, 6/1, 6/5/06	Matrix: Liquid
Date analyzed: 5/26, 6/1, 6/5/06	ELAP #: 11693

TOTAL METALS ANALYSIS

PARAMETER	MDL	RESULTS mg/L
SILVER, Ag	0.05 mg/L	<0.05
ALUMINUM, Al	0.05 mg/L	29.3
ARSENIC, As	0.05 mg/L	<0.05
BARIUM, Ba	1.00 mg/L	<1.00
BERYLLIUM, Be	0.05 mg/L	<0.05
CALCIUM, Ca	0.05 mg/L	18.6
CADMIUM, Cd	0.05 mg/L	<0.05
COBALT, Co	0.05 mg/L	<0.05
CHROMIUM, Cr	0.05 mg/L	0.28
COPPER, Cu	0.05 mg/L	0.32
IRON, Fe	0.05 mg/L	75.8
MERCURY, Hg	0.002 mg/L	<0.002
POTASSIUM, K	0.05 mg/L	3.33
MAGNESIUM, Mg	0.05 mg/L	7.24
MANGANESE, Mn	0.05 mg/L	1.72
MOLYBDENUM, Mo	0.05 mg/L	0.17
SODIUM, Na	0.05 mg/L	9.87
NICKEL, Ni	0.05 mg/L	0.16
LEAD, Pb	0.005 mg/L	0.046
ANTIMONY, Sb	0.05 mg/L	<0.05
SELENIUM, Se	0.05 mg/L	<0.05
THALIUM, Tl	0.05 mg/L	<0.05
VANADIUM, V	0.05 mg/L	0.10
ZINC, Zn	0.05 mg/L	1.34

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-2)
Date received: 5/23/06	Laboratory ID: 1109703
Date analyzed: See Below	Matrix: Liquid

ANALYTICAL RESULTS

PARAMETER	METHOD	DATE ANALYZED	RESULTS
Chloride	EPA 300.0	5/24/06	15 mg/L
Sulfate (as SO4)	EPA 300.0	5/24/06	63 mg/L
Ammonia (as N)	SM 18 4500-NH3 C	5/26/06	<1 mg/L
Nitrate (as N)	EPA 300.0	5/24/06	<1.0 mg/L
Nitrite (as N)	EPA 300.0	5/24/06	<0.5 mg/L
Bromide	EPA 300.0	5/24/06	<1.0 mg/L
Orthophosphate (as P)	EPA 300.0	5/24/06	<1.0 mg/L
Fluoride, Total	EPA 300.0	5/24/06	1.3 mg/L

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-3)
Date received: 5/23/06	Laboratory ID: 1109721
Date extracted: 5/26/06	Matrix: Liquid
Date analyzed: 5/26/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
ACETONE	62-64-1	5.00 ug/L	<5.00
BENZENE	71-43-2	0.50 ug/L	<0.50
BROMOBENZENE	108-86-1	0.50 ug/L	<0.50
BROMOCHLOROMETHANE	74-97-5	0.50 ug/L	<0.50
BROMODICHLOROMETHANE	75-27-4	0.50 ug/L	<0.50
BROMOFORM	75-25-2	0.50 ug/L	<0.50
BROMOMETHANE	74-83-9	0.50 ug/L	<0.50
2-BUTANONE (MEK)	78-93-3	1.00 ug/L	<1.00
n-BUTYLBENZENE	104-51-8	0.50 ug/L	<0.50
sec-BUTYLBENZENE	135-98-8	0.50 ug/L	<0.50
tert-BUTYLBENZENE	98-06-6	0.50 ug/L	<0.50
CARBON DISULFIDE	75-15-0	0.50 ug/L	<0.50
CARBON TETRACHLORIDE	56-23-5	0.50 ug/L	<0.50
CHLOROBENZENE	108-90-7	0.50 ug/L	<0.50
CHLOROETHANE	75-00-3	0.50 ug/L	<0.50
CHLOROFORM	67-66-3	0.50 ug/L	<0.50
CHLOROMETHANE	74-87-3	0.50 ug/L	<0.50
2-CHLOROTOLUENE	95-49-8	0.50 ug/L	<0.50
4-CHLOROTOLUENE	106-43-4	0.50 ug/L	<0.50
CHLORODIBROMOMETHANE	124-48-1	0.50 ug/L	<0.50
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.50 ug/L	<0.50
1,2-DIBROMOETHANE	106-93-4	0.50 ug/L	<0.50
DIBROMOMETHANE	74-95-3	0.50 ug/L	<0.50
1,2-DICHLOROBENZENE	95-50-1	0.50 ug/L	<0.50
1,3-DICHLOROBENZENE	541-73-1	0.50 ug/L	<0.50
1,4-DICHLOROBENZENE	106-46-7	0.50 ug/L	<0.50
DICHLORODIFLUOROMETHANE	75-71-8	0.50 ug/L	<0.50
1,1-DICHLOROETHANE	75-34-3	0.50 ug/L	<0.50
1,2-DICHLOROETHANE	107-06-2	0.50 ug/L	<0.50
1,1-DICHLOROETHENE	75-35-4	0.50 ug/L	<0.50
cis-1,2-DICHLOROETHENE	156-59-2	0.50 ug/L	<0.50
trans-1,2-DICHLOROETHENE	156-60-5	0.50 ug/L	<0.50
1,2-DICHLOROPROPANE	78-87-5	0.50 ug/L	<0.50
1,3-DICHLOROPROPANE	142-28-9	0.50 ug/L	<0.50
2,2-DICHLOROPROPANE	594-20-7	0.50 ug/L	<0.50
1,1-DICHLOROPROPENE	563-58-6	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-3)
Date received: 5/23/06	Laboratory ID: 1109721
Date extracted: 5/26/06	Matrix: Liquid
Date analyzed: 5/26/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
cis[Z]-1,3-DICHLOROPROPENE	10061-01-5	0.50 ug/L	<0.50
Trans[E]-1,3-DICHLOROPROPENE	10061-02-6	0.50 ug/L	<0.50
ETHYLBENZENE	100-41-4	0.50 ug/L	<0.50
HEXACHLOROBUTADIENE	87-68-3	0.50 ug/L	<0.50
2-HEXANONE	591-78-6	0.50 ug/L	<0.50
ISOPROPYLBENZENE	98-82-8	0.50 ug/L	<0.50
p-ISOPROPYLTOLUENE	99-87-6	0.50 ug/L	<0.50
METHYLENE CHLORIDE	75-09-2	0.50 ug/L	<0.50
METHYL ISOBUTYL KETONE (MIBK)	108-10-1	0.50 ug/L	<0.50
MTBE	1634-04-4	0.50 ug/L	<0.50
NAPHTHALENE	91-20-3	0.50 ug/L	<0.50
n-PROPYLBENZENE	103-65-1	0.50 ug/L	<0.50
STYRENE	100-42-5	0.50 ug/L	<0.50
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.50 ug/L	<0.50
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.50 ug/L	<0.50
TETRACHLOROETHENE	127-18-4	0.50 ug/L	<0.50
TOLUENE	108-88-3	0.50 ug/L	<0.50
1,2,3-TRICHLOROBENZENE	87-61-6	0.50 ug/L	<0.50
1,2,4-TRICHLOROBENZENE	120-82-1	0.50 ug/L	<0.50
1,1,1-TRICHLOROETHANE	71-55-6	0.50 ug/L	<0.50
1,1,2-TRICHLOROETHANE	79-00-5	0.50 ug/L	<0.50
TRICHLOROETHENE	79-01-6	0.50 ug/L	<0.50
TRICHLOROFLUOROMETHANE	75-69-4	0.50 ug/L	<0.50
1,2,3-TRICHLOROPROPANE	96-18-4	0.50 ug/L	<0.50
1,2,4-TRIMETHYLBENZENE	95-63-6	0.50 ug/L	<0.50
1,3,5-TRIMETHYLBENZENE	108-67-8	0.50 ug/L	<0.50
VINYL CHLORIDE	75-01-4	0.50 ug/L	<0.50
p & m-XYLENE	1330-20-7	1.00 ug/L	<1.00
o-XYLENE	1330-20-7	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Michael Veraldi

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Date received: 5/23/06	Laboratory ID: 1109721
Date extracted: 6/2/06	Matrix: Liquid
Date analyzed: 6/2/06	ELAP #: 11693

EPA METHOD 314.0

PARAMETER	MDL	RESULTS ug/L
Perchlorate	4.0 ug/L	<4.0

MDL = Minimum Detection Limit.

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-3)
Date received: 5/23/06	Laboratory ID: 1109721
Date extracted: 5/24/06	Matrix: Liquid
Date analyzed: 5/24/06	ELAP #: 11693

EPA METHOD 525.2

PARAMETER	CAS No.	MDL	RESULTS ug/L
HEXACHLOROBENZENE	118-74-1	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)PHTALATE	117-81-7	1.0 ug/L	3.8
BENZO-a-PYRENE	50-32-8	0.2 ug/L	<0.2
PENTACHLOROPHENOL	87-86-5	0.8 ug/L	<0.8
BUTACHLOR	23184-66-9	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)ADIPATE	103-23-1	0.2 ug/L	<0.2
HEXACHLOROCYCLOPENTADIENE	77-47-4	0.2 ug/L	<0.2

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-3)
Date received: 5/23/06	Laboratory ID: 1109721
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 508/551

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALACHLOR	15972-60-8	0.1 ug/L	<0.1
ATRAZINE	1912-24-9	2 ug/L	<2
METOLACHLOR	51218-45-2	5.0 ug/L	<5.0
METRIBUXIN	21087-64-9	5.0 ug/L	<5.0
PROPACHLOR	1918-16-7	5.0 ug/L	<5.0
SIMAZINE	122-34-9	0.2 ug/L	<0.2
1,2-Dibromoethane	106-93-4	0.01 ug/L	<0.01
1,2-Dibromo-3-Chlorpropane	96-12-8	0.1 ug/L	<0.1

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-3)
Date received: 5/23/06	Laboratory ID: 1109721
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 608

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALDRIN	309-00-2	0.01 ug/L	<0.01
α - BHC	319-84-6	0.01 ug/L	<0.01
β - BHC	319-85-7	0.01 ug/L	<0.01
δ - BHC	319-86-8	0.01 ug/L	<0.01
γ - BHC (Lindane)	58-89-9	0.02 ug/L	<0.02
CHLORDANE	12789-03-6	0.02 ug/L	<0.02
4,4'-DDD	72-54-8	0.01 ug/L	<0.01
4,4'-DDE	72-55-9	0.01 ug/L	<0.01
4,4'-DDT	50-29-3	0.05 ug/L	<0.05
DIELDRIN	60-57-1	0.01 ug/L	<0.01
ENDOSULFAN I	959-98-8	0.01 ug/L	<0.01
ENDOSULFAN II	33212-65-9	0.01 ug/L	<0.01
ENDOSULFAN SULFATE	1031-07-8	0.02 ug/L	<0.02
ENDRIN	72-20-8	0.01 ug/L	<0.01
ENDRIN ALDEHYDE	7421-93-4	0.01 ug/L	<0.01
ENDRIN KETONE	53494-70-5	0.02 ug/L	<0.02
HEPTACHLOR	76-44-8	0.01 ug/L	<0.01
HEPTACHLOR EPOXIDE	1024-57-3	0.01 ug/L	<0.01
4,4'-METHOXYCHLOR	72-43-5	0.01 ug/L	<0.01
TOXAPHENE	8001-35-2	20 ug/L	<20
AROCLOR-1016	12674-11-2	20 ug/L	<20
AROCLOR-1221	1104-28-2	20 ug/L	<20
AROCLOR-1232	11141-16-5	20 ug/L	<20
AROCLOR-1242	53469-21-9	20 ug/L	<20
AROCLOR-1248	12672-29-6	20 ug/L	<20
AROCLOR-1254	1109769-1	20 ug/L	<20
AROCLOR-1260	11096-82-5	20 ug/L	<20

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-3)
Date received: 5/23/06	Laboratory ID: 1109721
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 515

PARAMETER	CAS No.	MDL	RESULTS ug/L
Dalapon	75990	20 ug/L	<20
Dicamba	1918009	1.0 ug/L	<1.0
2-,4-D	94757	5.0 ug/L	<5.0
2,4,5-TP (Silvex)	93721	5.0 ug/L	<5.0
Dinoseb	88857	0.5 ug/L	<0.05
Picloram	1918021	5.0 ug/L	<5.0

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-3)
Date received: 5/23/06	Laboratory ID: 1109721
Date extracted: 5/26, 5/31, 6/1, 6/5/06	Matrix: Liquid
Date analyzed: 5/26, 5/31, 6/1, 6/5/06	ELAP #: 11693

TOTAL METALS ANALYSIS

PARAMETER	MDL	RESULTS mg/L
SILVER, Ag	0.05 mg/L	<0.05
ALUMINUM, Al	0.05 mg/L	37.6
ARSENIC, As	0.05 mg/L	<0.05
BARIUM, Ba	1.00 mg/L	<1.00
BERYLLIUM, Be	0.05 mg/L	<0.05
CALCIUM, Ca	0.05 mg/L	14.8
CADMIUM, Cd	0.05 mg/L	<0.05
COBALT, Co	0.05 mg/L	0.09
CHROMIUM, Cr	0.05 mg/L	0.38
COPPER, Cu	0.05 mg/L	0.31
IRON, Fe	0.05 mg/L	106
MERCURY, Hg	0.002 mg/L	<0.002
POTASSIUM, K	0.05 mg/L	8.98
MAGNESIUM, Mg	0.05 mg/L	9.11
MANGANESE, Mn	0.05 mg/L	12.0
MOLYBDENUM, Mo	0.05 mg/L	<0.05
SODIUM, Na	0.05 mg/L	15.6
NICKEL, Ni	0.05 mg/L	0.20
LEAD, Pb	0.005 mg/L	0.058
ANTIMONY, Sb	0.05 mg/L	<0.05
SELENIUM, Se	0.05 mg/L	<0.05
THALIUM, Tl	0.05 mg/L	<0.05
VANADIUM, V	0.05 mg/L	0.08
ZINC, Zn	0.05 mg/L	1.18

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-3)
Date received: 5/23/06	Laboratory ID: 1109721
Date analyzed: See Below	Matrix: Liquid

ANALYTICAL RESULTS

PARAMETER	METHOD	DATE ANALYZED	RESULTS
Chloride	EPA 300.0	5/24/06	24 mg/L
Sulfate (as SO4)	EPA 300.0	5/24/06	56 mg/L
Ammonia (as N)	SM 18 4500-NH3 C	5/26/06	<1 mg/L
Nitrate (as N)	EPA 300.0	5/24/06	7.0 mg/L
Nitrite (as N)	EPA 300.0	5/24/06	<0.5 mg/L
Bromide	EPA 300.0	5/24/06	<1.0 mg/L
Orthophosphate (as P)	EPA 300.0	5/24/06	<1.0 mg/L
Fluoride, Total	EPA 300.0	5/24/06	<1.0 mg/L

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date extracted: 5/23/06	Matrix: Liquid
Date analyzed: 5/23/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
ACETONE	62-64-1	5.00 ug/L	<5.00
BENZENE	71-43-2	0.50 ug/L	<0.50
BROMOBENZENE	108-86-1	0.50 ug/L	<0.50
BROMOCHLOROMETHANE	74-97-5	0.50 ug/L	<0.50
BROMODICHLOROMETHANE	75-27-4	0.50 ug/L	<0.50
BROMOFORM	75-25-2	0.50 ug/L	<0.50
BROMOMETHANE	74-83-9	0.50 ug/L	<0.50
2-BUTANONE (MEK)	78-93-3	1.00 ug/L	<1.00
n-BUTYLBENZENE	104-51-8	0.50 ug/L	<0.50
sec-BUTYLBENZENE	135-98-8	0.50 ug/L	<0.50
tert-BUTYLBENZENE	98-06-6	0.50 ug/L	<0.50
CARBON DISULFIDE	75-15-0	0.50 ug/L	<0.50
CARBON TETRACHLORIDE	56-23-5	0.50 ug/L	<0.50
CHLOROBENZENE	108-90-7	0.50 ug/L	<0.50
CHLOROETHANE	75-00-3	0.50 ug/L	<0.50
CHLOROFORM	67-66-3	0.50 ug/L	<0.50
CHLOROMETHANE	74-87-3	0.50 ug/L	<0.50
2-CHLOROTOLUENE	95-49-8	0.50 ug/L	<0.50
4-CHLOROTOLUENE	106-43-4	0.50 ug/L	<0.50
CHLORODIBROMOMETHANE	124-48-1	0.50 ug/L	<0.50
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.50 ug/L	<0.50
1,2-DIBROMOETHANE	106-93-4	0.50 ug/L	<0.50
DIBROMOMETHANE	74-95-3	0.50 ug/L	<0.50
1,2-DICHLOROBENZENE	95-50-1	0.50 ug/L	<0.50
1,3-DICHLOROBENZENE	541-73-1	0.50 ug/L	<0.50
1,4-DICHLOROBENZENE	106-46-7	0.50 ug/L	<0.50
DICHLORODIFLUOROMETHANE	75-71-8	0.50 ug/L	<0.50
1,1-DICHLOROETHANE	75-34-3	0.50 ug/L	<0.50
1,2-DICHLOROETHANE	107-06-2	0.50 ug/L	<0.50
1,1-DICHLOROETHENE	75-35-4	0.50 ug/L	<0.50
cis-1,2-DICHLOROETHENE	156-59-2	0.50 ug/L	<0.50
trans-1,2-DICHLOROETHENE	156-60-5	0.50 ug/L	<0.50
1,2-DICHLOROPROPANE	78-87-5	0.50 ug/L	<0.50
1,3-DICHLOROPROPANE	142-28-9	0.50 ug/L	<0.50
2,2-DICHLOROPROPANE	594-20-7	0.50 ug/L	<0.50
1,1-DICHLOROPROPENE	563-58-6	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date extracted: 5/23/06	Matrix: Liquid
Date analyzed: 5/23/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
cis[Z]-1,3-DICHLOROPROPENE	10061-01-5	0.50 ug/L	<0.50
Trans[E]-1,3-DICHLOROPROPENE	10061-02-6	0.50 ug/L	<0.50
ETHYLBENZENE	100-41-4	0.50 ug/L	<0.50
HEXACHLOROBUTADIENE	87-68-3	0.50 ug/L	<0.50
2-HEXANONE	591-78-6	0.50 ug/L	<0.50
ISOPROPYLBENZENE	98-82-8	0.50 ug/L	<0.50
p-ISOPROPYLTOLUENE	99-87-6	0.50 ug/L	<0.50
METHYLENE CHLORIDE	75-09-2	0.50 ug/L	<0.50
METHYL ISOBUTYL KETONE (MIBK)	108-10-1	0.50 ug/L	<0.50
MTBE	1634-04-4	0.50 ug/L	<0.50
NAPHTHALENE	91-20-3	0.50 ug/L	<0.50
n-PROPYLBENZENE	103-65-1	0.50 ug/L	<0.50
STYRENE	100-42-5	0.50 ug/L	<0.50
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.50 ug/L	<0.50
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.50 ug/L	<0.50
TETRACHLOROETHENE	127-18-4	0.50 ug/L	<0.50
TOLUENE	108-88-3	0.50 ug/L	<0.50
1,2,3-TRICHLOROBENZENE	87-61-6	0.50 ug/L	<0.50
1,2,4-TRICHLOROBENZENE	120-82-1	0.50 ug/L	<0.50
1,1,1-TRICHLOROETHANE	71-55-6	0.50 ug/L	<0.50
1,1,2-TRICHLOROETHANE	79-00-5	0.50 ug/L	<0.50
TRICHLOROETHENE	79-01-6	0.50 ug/L	<0.50
TRICHLOROFLUOROMETHANE	75-69-4	0.50 ug/L	<0.50
1,2,3-TRICHLOROPROPANE	96-18-4	0.50 ug/L	<0.50
1,2,4-TRIMETHYLBENZENE	95-63-6	0.50 ug/L	<0.50
1,3,5-TRIMETHYLBENZENE	108-67-8	0.50 ug/L	<0.50
VINYL CHLORIDE	75-01-4	0.50 ug/L	<0.50
p & m-XYLENE	1330-20-7	1.00 ug/L	<1.00
o-XYLENE	1330-20-7	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date extracted: 6/6/06	Matrix: Liquid
Date analyzed: 6/6/06	ELAP #: 11693

EPA METHOD 314.0

PARAMETER	MDL	RESULTS ug/L
Perchlorate	4.0 ug/L	<4.0

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date extracted: 5/24/06	Matrix: Liquid
Date analyzed: 5/24/06	ELAP #: 11693

EPA METHOD 525.2

PARAMETER	CAS No.	MDL	RESULTS ug/L
HEXACHLOROBENZENE	118-74-1	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)PHTALATE	117-81-7	1.0 ug/L	<1.0
BENZO-a-PYRENE	50-32-8	0.2 ug/L	<0.2
PENTACHLOROPHENOL	87-86-5	0.8 ug/L	<0.8
BUTACHLOR	23184-66-9	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)ADIPATE	103-23-1	0.2 ug/L	<0.2
HEXACHLOROCYCLOPENTADIENE	77-47-4	0.2 ug/L	<0.2

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date extracted: 5/31/06	Matrix: Liquid
Date analyzed: 5/31/06	ELAP #: 11693

EPA METHOD 508/551

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALACHLOR	15972-60-8	0.1 ug/L	<0.1
ATRAZINE	1912-24-9	2 ug/L	<2
METOLACHLOR	51218-45-2	5.0 ug/L	<5.0
METRIBUXIN	21087-64-9	5.0 ug/L	<5.0
PROPACHLOR	1918-16-7	5.0 ug/L	<5.0
SIMAZINE	122-34-9	0.2 ug/L	<0.2
1,2-Dibromoethane	106-93-4	0.01 ug/L	<0.01
1,2-Dibromo-3-Chlorpropane	96-12-8	0.1 ug/L	<0.1

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 608

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALDRIN	309-00-2	0.01 ug/L	<0.01
α - BHC	319-84-6	0.01 ug/L	<0.01
β - BHC	319-85-7	0.01 ug/L	<0.01
δ - BHC	319-86-8	0.01 ug/L	<0.01
γ - BHC (Lindane)	58-89-9	0.02 ug/L	<0.02
CHLORDANE	12789-03-6	0.02 ug/L	<0.02
4,4'-DDD	72-54-8	0.01 ug/L	<0.01
4,4'-DDE	72-55-9	0.01 ug/L	<0.01
4,4'-DDT	50-29-3	0.05 ug/L	<0.05
DIELDRIN	60-57-1	0.01 ug/L	<0.01
ENDOSULFAN I	959-98-8	0.01 ug/L	<0.01
ENDOSULFAN II	33212-65-9	0.01 ug/L	<0.01
ENDOSULFAN SULFATE	1031-07-8	0.02 ug/L	<0.02
ENDRIN	72-20-8	0.01 ug/L	<0.01
ENDRIN ALDEHYDE	7421-93-4	0.01 ug/L	<0.01
ENDRIN KETONE	53494-70-5	0.02 ug/L	<0.02
HEPTACHLOR	76-44-8	0.01 ug/L	<0.01
HEPTACHLOR EPOXIDE	1024-57-3	0.01 ug/L	<0.01
4,4'-METHOXYCHLOR	72-43-5	0.01 ug/L	<0.01
TOXAPHENE	8001-35-2	20 ug/L	<20
AROCLOR-1016	12674-11-2	20 ug/L	<20
AROCLOR-1221	1104-28-2	20 ug/L	<20
AROCLOR-1232	11141-16-5	20 ug/L	<20
AROCLOR-1242	53469-21-9	20 ug/L	<20
AROCLOR-1248	12672-29-6	20 ug/L	<20
AROCLOR-1254	1109769-1	20 ug/L	<20
AROCLOR-1260	11096-82-5	20 ug/L	<20

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date extracted: 5/31/06	Matrix: Liquid
Date analyzed: 5/31/06	ELAP #: 11693

EPA METHOD 515

PARAMETER	CAS No.	MDL	RESULTS ug/L
Dalapon	75990	20 ug/L	<20
Dicamba	1918009	1.0 ug/L	<1.0
2-,4-D	94757	5.0 ug/L	<5.0
2,4,5-TP (Silvex)	93721	5.0 ug/L	<5.0
Dinoseb	88857	0.5 ug/L	<0.05
Picloram	1918021	5.0 ug/L	<5.0

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date extracted: 5/24, 5/26, 6/1, 6/5/06	Matrix: Liquid
Date analyzed: 5/24, 5/26, 6/1, 6/5/06	ELAP #: 11693

TOTAL METALS ANALYSIS

PARAMETER	MDL	RESULTS mg/L
SILVER, Ag	0.05 mg/L	<0.05
ALUMINUM, Al	0.05 mg/L	17.0
ARSENIC, As	0.05 mg/L	<0.05
BARIUM, Ba	1.00 mg/L	<1.00
BERYLLIUM, Be	0.05 mg/L	<0.05
CALCIUM, Ca	0.05 mg/L	10.5
CADMIUM, Cd	0.05 mg/L	<0.05
COBALT, Co	0.05 mg/L	<0.05
CHROMIUM, Cr	0.05 mg/L	0.33
COPPER, Cu	0.05 mg/L	0.11
IRON, Fe	0.05 mg/L	65.3
MERCURY, Hg	0.002 mg/L	<0.002
POTASSIUM, K	0.05 mg/L	5.99
MAGNESIUM, Mg	0.05 mg/L	6.65
MANGANESE, Mn	0.05 mg/L	2.52
MOLYBDENUM, Mo	0.05 mg/L	0.09
SODIUM, Na	0.05 mg/L	10.5
NICKEL, Ni	0.05 mg/L	0.14
LEAD, Pb	0.005 mg/L	0.022
ANTIMONY, Sb	0.05 mg/L	<0.05
SELENIUM, Se	0.05 mg/L	<0.05
THALIUM, Tl	0.05 mg/L	<0.05
VANADIUM, V	0.05 mg/L	<0.05
ZINC, Zn	0.05 mg/L	1.13

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-4)
Date received: 5/23/06	Laboratory ID: 1109686
Date analyzed: See Below	Matrix: Liquid

ANALYTICAL RESULTS

PARAMETER	METHOD	DATE ANALYZED	RESULTS
Chloride	EPA 300.0	5/24/06	17 mg/L
Sulfate (as SO4)	EPA 300.0	5/24/06	67 mg/L
Ammonia (as N)	SM 18 4500-NH3 C	5/26/06	<1.0 mg/L
Nitrate (as N)	EPA 300.0	5/24/06	2.6 mg/L
Nitrite (as N)	EPA 300.0	5/24/06	<0.5 mg/L
Bromide	EPA 300.0	5/24/06	<1.0 mg/L
Orthophosphate (as P)	EPA 300.0	5/24/06	<1.0 mg/L
Fluoride, Total	EPA 300.0	5/24/06	<1.0 mg/L

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date extracted: 5/26/06	Matrix: Liquid
Date analyzed: 5/26/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
ACETONE	62-64-1	5.00 ug/L	<5.00
BENZENE	71-43-2	0.50 ug/L	<0.50
BROMOBENZENE	108-86-1	0.50 ug/L	<0.50
BROMOCHLOROMETHANE	74-97-5	0.50 ug/L	<0.50
BROMODICHLOROMETHANE	75-27-4	0.50 ug/L	<0.50
BROMOFORM	75-25-2	0.50 ug/L	<0.50
BROMOMETHANE	74-83-9	0.50 ug/L	<0.50
2-BUTANONE (MEK)	78-93-3	1.00 ug/L	<1.00
n-BUTYLBENZENE	104-51-8	0.50 ug/L	<0.50
sec-BUTYLBENZENE	135-98-8	0.50 ug/L	<0.50
tert-BUTYLBENZENE	98-06-6	0.50 ug/L	<0.50
CARBON DISULFIDE	75-15-0	0.50 ug/L	<0.50
CARBON TETRACHLORIDE	56-23-5	0.50 ug/L	<0.50
CHLOROBENZENE	108-90-7	0.50 ug/L	<0.50
CHLOROETHANE	75-00-3	0.50 ug/L	<0.50
CHLOROFORM	67-66-3	0.50 ug/L	<0.50
CHLOROMETHANE	74-87-3	0.50 ug/L	<0.50
2-CHLOROTOLUENE	95-49-8	0.50 ug/L	<0.50
4-CHLOROTOLUENE	106-43-4	0.50 ug/L	<0.50
CHLORODIBROMOMETHANE	124-48-1	0.50 ug/L	<0.50
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.50 ug/L	<0.50
1,2-DIBROMOETHANE	106-93-4	0.50 ug/L	<0.50
DIBROMOMETHANE	74-95-3	0.50 ug/L	<0.50
1,2-DICHLOROBENZENE	95-50-1	0.50 ug/L	<0.50
1,3-DICHLOROBENZENE	541-73-1	0.50 ug/L	<0.50
1,4-DICHLOROBENZENE	106-46-7	0.50 ug/L	<0.50
DICHLORODIFLUOROMETHANE	75-71-8	0.50 ug/L	<0.50
1,1-DICHLOROETHANE	75-34-3	0.50 ug/L	<0.50
1,2-DICHLOROETHANE	107-06-2	0.50 ug/L	<0.50
1,1-DICHLOROETHENE	75-35-4	0.50 ug/L	<0.50
cis-1,2-DICHLOROETHENE	156-59-2	0.50 ug/L	<0.50
trans-1,2-DICHLOROETHENE	156-60-5	0.50 ug/L	<0.50
1,2-DICHLOROPROPANE	78-87-5	0.50 ug/L	<0.50
1,3-DICHLOROPROPANE	142-28-9	0.50 ug/L	<0.50
2,2-DICHLOROPROPANE	594-20-7	0.50 ug/L	<0.50
1,1-DICHLOROPROPENE	563-58-6	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date extracted: 5/26/06	Matrix: Liquid
Date analyzed: 5/26/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
cis[Z]-1,3-DICHLOROPROPENE	10061-01-5	0.50 ug/L	<0.50
Trans[E]-1,3-DICHLOROPROPENE	10061-02-6	0.50 ug/L	<0.50
ETHYLBENZENE	100-41-4	0.50 ug/L	<0.50
HEXACHLOROBUTADIENE	87-68-3	0.50 ug/L	<0.50
2-HEXANONE	591-78-6	0.50 ug/L	<0.50
ISOPROPYLBENZENE	98-82-8	0.50 ug/L	<0.50
p-ISOPROPYLTOLUENE	99-87-6	0.50 ug/L	<0.50
METHYLENE CHLORIDE	75-09-2	0.50 ug/L	0.52
METHYL ISOBUTYL KETONE (MIBK)	108-10-1	0.50 ug/L	<0.50
MTBE	1634-04-4	0.50 ug/L	<0.50
NAPHTHALENE	91-20-3	0.50 ug/L	<0.50
n-PROPYLBENZENE	103-65-1	0.50 ug/L	<0.50
STYRENE	100-42-5	0.50 ug/L	<0.50
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.50 ug/L	<0.50
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.50 ug/L	<0.50
TETRACHLOROETHENE	127-18-4	0.50 ug/L	<0.50
TOLUENE	108-88-3	0.50 ug/L	<0.50
1,2,3-TRICHLOROBENZENE	87-61-6	0.50 ug/L	<0.50
1,2,4-TRICHLOROBENZENE	120-82-1	0.50 ug/L	<0.50
1,1,1-TRICHLOROETHANE	71-55-6	0.50 ug/L	0.74
1,1,2-TRICHLOROETHANE	79-00-5	0.50 ug/L	<0.50
TRICHLOROETHENE	79-01-6	0.50 ug/L	<0.50
TRICHLOROFLUOROMETHANE	75-69-4	0.50 ug/L	<0.50
1,2,3-TRICHLOROPROPANE	96-18-4	0.50 ug/L	<0.50
1,2,4-TRIMETHYLBENZENE	95-63-6	0.50 ug/L	<0.50
1,3,5-TRIMETHYLBENZENE	108-67-8	0.50 ug/L	<0.50
VINYL CHLORIDE	75-01-4	0.50 ug/L	<0.50
p & m-XYLENE	1330-20-7	1.00 ug/L	<1.00
o-XYLENE	1330-20-7	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Michael Veraldi

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date extracted: 6/2/06	Matrix: Liquid
Date analyzed: 6/2/06	ELAP #: 11693

EPA METHOD 314.0

PARAMETER	MDL	RESULTS ug/L
Perchlorate	4.0 ug/L	<4.0

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date extracted: 5/24/06	Matrix: Liquid
Date analyzed: 5/24/06	ELAP #: 11693

EPA METHOD 525.2

PARAMETER	CAS No.	MDL	RESULTS ug/L
HEXACHLOROBENZENE	118-74-1	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)PHTALATE	117-81-7	1.0 ug/L	<1.0
BENZO-a-PYRENE	50-32-8	0.2 ug/L	<0.2
PENTACHLOROPHENOL	87-86-5	0.8 ug/L	<0.8
BUTACHLOR	23184-66-9	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)ADIPATE	103-23-1	0.2 ug/L	<0.2
HEXACHLOROCYCLOPENTADIENE	77-47-4	0.2 ug/L	<0.2

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 508/551

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALACHLOR	15972-60-8	0.1 ug/L	<0.1
ATRAZINE	1912-24-9	2 ug/L	<2
METOLACHLOR	51218-45-2	5.0 ug/L	<5.0
METRIBUXIN	21087-64-9	5.0 ug/L	<5.0
PROPACHLOR	1918-16-7	5.0 ug/L	<5.0
SIMAZINE	122-34-9	0.2 ug/L	<0.2
1,2-Dibromoethane	106-93-4	0.01 ug/L	<0.01
1,2-Dibromo-3-Chlorpropane	96-12-8	0.1 ug/L	<0.1

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 608

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALDRIN	309-00-2	0.01 ug/L	<0.01
α - BHC	319-84-6	0.01 ug/L	<0.01
β - BHC	319-85-7	0.01 ug/L	<0.01
δ - BHC	319-86-8	0.01 ug/L	<0.01
γ - BHC (Lindane)	58-89-9	0.02 ug/L	<0.02
CHLORDANE	12789-03-6	0.02 ug/L	<0.02
4,4'-DDD	72-54-8	0.01 ug/L	<0.01
4,4'-DDE	72-55-9	0.01 ug/L	<0.01
4,4'-DDT	50-29-3	0.05 ug/L	<0.05
DIELDRIN	60-57-1	0.01 ug/L	<0.01
ENDOSULFAN I	959-98-8	0.01 ug/L	<0.01
ENDOSULFAN II	33212-65-9	0.01 ug/L	<0.01
ENDOSULFAN SULFATE	1031-07-8	0.02 ug/L	<0.02
ENDRIN	72-20-8	0.01 ug/L	<0.01
ENDRIN ALDEHYDE	7421-93-4	0.01 ug/L	<0.01
ENDRIN KETONE	53494-70-5	0.02 ug/L	<0.02
HEPTACHLOR	76-44-8	0.01 ug/L	<0.01
HEPTACHLOR EPOXIDE	1024-57-3	0.01 ug/L	<0.01
4,4'-METHOXYCHLOR	72-43-5	0.01 ug/L	<0.01
TOXAPHENE	8001-35-2	20 ug/L	<20
AROCLOR-1016	12674-11-2	20 ug/L	<20
AROCLOR-1221	1104-28-2	20 ug/L	<20
AROCLOR-1232	11141-16-5	20 ug/L	<20
AROCLOR-1242	53469-21-9	20 ug/L	<20
AROCLOR-1248	12672-29-6	20 ug/L	<20
AROCLOR-1254	1109769-1	20 ug/L	<20
AROCLOR-1260	11096-82-5	20 ug/L	<20

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 515

PARAMETER	CAS No.	MDL	RESULTS ug/L
Dalapon	75990	20 ug/L	<20
Dicamba	1918009	1.0 ug/L	<1.0
2-,4-D	94757	5.0 ug/L	<5.0
2,4,5-TP (Silvex)	93721	5.0 ug/L	<5.0
Dinoseb	88857	0.5 ug/L	<0.05
Picloram	1918021	5.0 ug/L	<5.0

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date extracted: 5/26, 6/1, 6/5/06	Matrix: Liquid
Date analyzed: 5/26, 6/1, 6/5/06	ELAP #: 11693

TOTAL METALS ANALYSIS

PARAMETER	MDL	RESULTS mg/L
SILVER, Ag	0.05 mg/L	<0.05
ALUMINUM, Al	0.05 mg/L	14.6
ARSENIC, As	0.05 mg/L	<0.05
BARIUM, Ba	1.00 mg/L	<1.00
BERYLLIUM, Be	0.05 mg/L	<0.05
CALCIUM, Ca	0.05 mg/L	12.1
CADMIUM, Cd	0.05 mg/L	<0.05
COBALT, Co	0.05 mg/L	<0.05
CHROMIUM, Cr	0.05 mg/L	0.31
COPPER, Cu	0.05 mg/L	0.26
IRON, Fe	0.05 mg/L	72.5
MERCURY, Hg	0.002 mg/L	<0.002
POTASSIUM, K	0.05 mg/L	5.69
MAGNESIUM, Mg	0.05 mg/L	5.11
MANGANESE, Mn	0.05 mg/L	2.27
MOLYBDENUM, Mo	0.05 mg/L	0.11
SODIUM, Na	0.05 mg/L	41.3
NICKEL, Ni	0.05 mg/L	0.17
LEAD, Pb	0.005 mg/L	0.025
ANTIMONY, Sb	0.05 mg/L	<0.05
SELENIUM, Se	0.05 mg/L	<0.05
THALIUM, Tl	0.05 mg/L	<0.05
VANADIUM, V	0.05 mg/L	<0.05
ZINC, Zn	0.05 mg/L	1.59

MDL = Minimum Detection Limit.

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-5)
Date received: 5/23/06	Laboratory ID: 1109704
Date analyzed: See Below	Matrix: Liquid

ANALYTICAL RESULTS

PARAMETER	METHOD	DATE ANALYZED	RESULTS
Chloride	EPA 300.0	5/24/06	55 mg/L
Sulfate (as SO4)	EPA 300.0	5/24/06	50 mg/L
Ammonia (as N)	SM 18 4500-NH3 C	5/26/06	<1 mg/L
Nitrate (as N)	EPA 300.0	5/24/06	2.0 mg/L
Nitrite (as N)	EPA 300.0	5/24/06	<0.5mg/L
Bromide	EPA 300.0	5/24/06	<1.0 mg/L
Orthophosphate (as P)	EPA 300.0	5/24/06	<1.0 mg/L
Fluoride, Total	EPA 300.0	5/24/06	<1.0 mg/L

Michael Veraldi

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date extracted: 5/26/06	Matrix: Liquid
Date analyzed: 5/26/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
ACETONE	62-64-1	5.00 ug/L	<5.00
BENZENE	71-43-2	0.50 ug/L	<0.50
BROMOBENZENE	108-86-1	0.50 ug/L	<0.50
BROMOCHLOROMETHANE	74-97-5	0.50 ug/L	<0.50
BROMODICHLOROMETHANE	75-27-4	0.50 ug/L	<0.50
BROMOFORM	75-25-2	0.50 ug/L	<0.50
BROMOMETHANE	74-83-9	0.50 ug/L	<0.50
2-BUTANONE (MEK)	78-93-3	1.00 ug/L	<1.00
n-BUTYLBENZENE	104-51-8	0.50 ug/L	<0.50
sec-BUTYLBENZENE	135-98-8	0.50 ug/L	<0.50
tert-BUTYLBENZENE	98-06-6	0.50 ug/L	<0.50
CARBON DISULFIDE	75-15-0	0.50 ug/L	<0.50
CARBON TETRACHLORIDE	56-23-5	0.50 ug/L	<0.50
CHLOROBENZENE	108-90-7	0.50 ug/L	<0.50
CHLOROETHANE	75-00-3	0.50 ug/L	<0.50
CHLOROFORM	67-66-3	0.50 ug/L	<0.50
CHLOROMETHANE	74-87-3	0.50 ug/L	<0.50
2-CHLOROTOLUENE	95-49-8	0.50 ug/L	<0.50
4-CHLOROTOLUENE	106-43-4	0.50 ug/L	<0.50
CHLORODIBROMOMETHANE	124-48-1	0.50 ug/L	<0.50
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.50 ug/L	<0.50
1,2-DIBROMOETHANE	106-93-4	0.50 ug/L	<0.50
DIBROMOMETHANE	74-95-3	0.50 ug/L	<0.50
1,2-DICHLOROBENZENE	95-50-1	0.50 ug/L	<0.50
1,3-DICHLOROBENZENE	541-73-1	0.50 ug/L	<0.50
1,4-DICHLOROBENZENE	106-46-7	0.50 ug/L	<0.50
DICHLORODIFLUOROMETHANE	75-71-8	0.50 ug/L	<0.50
1,1-DICHLOROETHANE	75-34-3	0.50 ug/L	<0.50
1,2-DICHLOROETHANE	107-06-2	0.50 ug/L	<0.50
1,1-DICHLOROETHENE	75-35-4	0.50 ug/L	<0.50
cis-1,2-DICHLOROETHENE	156-59-2	0.50 ug/L	<0.50
trans-1,2-DICHLOROETHENE	156-60-5	0.50 ug/L	<0.50
1,2-DICHLOROPROPANE	78-87-5	0.50 ug/L	<0.50
1,3-DICHLOROPROPANE	142-28-9	0.50 ug/L	<0.50
2,2-DICHLOROPROPANE	594-20-7	0.50 ug/L	<0.50
1,1-DICHLOROPROPENE	563-58-6	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date extracted: 5/26/06	Matrix: Liquid
Date analyzed: 5/26/06	ELAP #: 11693

EPA METHOD 524.2

Parameter	CAS No.	MDL	Results ug/L
cis[Z]-1,3-DICHLOROPROPENE	10061-01-5	0.50 ug/L	<0.50
Trans[E]-1,3-DICHLOROPROPENE	10061-02-6	0.50 ug/L	<0.50
ETHYLBENZENE	100-41-4	0.50 ug/L	<0.50
HEXACHLOROBUTADIENE	87-68-3	0.50 ug/L	<0.50
2-HEXANONE	591-78-6	0.50 ug/L	<0.50
ISOPROPYLBENZENE	98-82-8	0.50 ug/L	<0.50
p-ISOPROPYLTOLUENE	99-87-6	0.50 ug/L	<0.50
METHYLENE CHLORIDE	75-09-2	0.50 ug/L	<0.50
METHYL ISOBUTYL KETONE (MIBK)	108-10-1	0.50 ug/L	<0.50
MTBE	1634-04-4	0.50 ug/L	<0.50
NAPHTHALENE	91-20-3	0.50 ug/L	<0.50
n-PROPYLBENZENE	103-65-1	0.50 ug/L	<0.50
STYRENE	100-42-5	0.50 ug/L	<0.50
1,1,1,2-TETRACHLOROETHANE	630-20-6	0.50 ug/L	<0.50
1,1,2,2-TETRACHLOROETHANE	79-34-5	0.50 ug/L	<0.50
TETRACHLOROETHENE	127-18-4	0.50 ug/L	<0.50
TOLUENE	108-88-3	0.50 ug/L	<0.50
1,2,3-TRICHLOROBENZENE	87-61-6	0.50 ug/L	<0.50
1,2,4-TRICHLOROBENZENE	120-82-1	0.50 ug/L	<0.50
1,1,1-TRICHLOROETHANE	71-55-6	0.50 ug/L	<0.50
1,1,2-TRICHLOROETHANE	79-00-5	0.50 ug/L	<0.50
TRICHLOROETHENE	79-01-6	0.50 ug/L	<0.50
TRICHLOROFLUOROMETHANE	75-69-4	0.50 ug/L	<0.50
1,2,3-TRICHLOROPROPANE	96-18-4	0.50 ug/L	<0.50
1,2,4-TRIMETHYLBENZENE	95-63-6	0.50 ug/L	<0.50
1,3,5-TRIMETHYLBENZENE	108-67-8	0.50 ug/L	<0.50
VINYL CHLORIDE	75-01-4	0.50 ug/L	<0.50
p & m-XYLENE	1330-20-7	1.00 ug/L	<1.00
o-XYLENE	1330-20-7	0.50 ug/L	<0.50

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date extracted: 6/2/06	Matrix: Liquid
Date analyzed: 6/2/06	ELAP #: 11693

EPA METHOD 314.0

PARAMETER	MDL	RESULTS ug/L
Perchlorate	4.0 ug/L	<4.0

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date extracted: 5/24/06	Matrix: Liquid
Date analyzed: 5/24/06	ELAP #: 11693

EPA METHOD 525.2

PARAMETER	CAS No.	MDL	RESULTS ug/L
HEXACHLOROBENZENE	118-74-1	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)PHTALATE	117-81-7	1.0 ug/L	<1.0
BENZO-a-PYRENE	50-32-8	0.2 ug/L	<0.2
PENTACHLOROPHENOL	87-86-5	0.8 ug/L	<0.8
BUTACHLOR	23184-66-9	0.2 ug/L	<0.2
Bis(2-ETHYLHEXYL)ADIPATE	103-23-1	0.2 ug/L	<0.2
HEXACHLOROCYCLOPENTADIENE	77-47-4	0.2 ug/L	<0.2

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 508/551

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALACHLOR	15972-60-8	0.1 ug/L	<0.1
ATRAZINE	1912-24-9	2 ug/L	<2
METOLACHLOR	51218-45-2	5.0 ug/L	<5.0
METRIBUXIN	21087-64-9	5.0 ug/L	<5.0
PROPACHLOR	1918-16-7	5.0 ug/L	<5.0
SIMAZINE	122-34-9	0.2 ug/L	<0.2
1,2-Dibromoethane	106-93-4	0.01 ug/L	<0.01
1,2-Dibromo-3-Chlorpropane	96-12-8	0.1 ug/L	<0.1

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 608

PARAMETER	CAS No.	MDL	RESULTS ug/L
ALDRIN	309-00-2	0.01 ug/L	<0.01
α - BHC	319-84-6	0.01 ug/L	<0.01
β - BHC	319-85-7	0.01 ug/L	<0.01
δ - BHC	319-86-8	0.01 ug/L	<0.01
γ - BHC (Lindane)	58-89-9	0.02 ug/L	<0.02
CHLORDANE	12789-03-6	0.02 ug/L	<0.02
4,4'-DDD	72-54-8	0.01 ug/L	<0.01
4,4'-DDE	72-55-9	0.01 ug/L	<0.01
4,4'-DDT	50-29-3	0.05 ug/L	<0.05
DIELDRIN	60-57-1	0.01 ug/L	<0.01
ENDOSULFAN I	959-98-8	0.01 ug/L	<0.01
ENDOSULFAN II	33212-65-9	0.01 ug/L	<0.01
ENDOSULFAN SULFATE	1031-07-8	0.02 ug/L	<0.02
ENDRIN	72-20-8	0.01 ug/L	<0.01
ENDRIN ALDEHYDE	7421-93-4	0.01 ug/L	<0.01
ENDRIN KETONE	53494-70-5	0.02 ug/L	<0.02
HEPTACHLOR	76-44-8	0.01 ug/L	<0.01
HEPTACHLOR EPOXIDE	1024-57-3	0.01 ug/L	<0.01
4,4'-METHOXYCHLOR	72-43-5	0.01 ug/L	<0.01
TOXAPHENE	8001-35-2	20 ug/L	<20
AROCLOR-1016	12674-11-2	20 ug/L	<20
AROCLOR-1221	1104-28-2	20 ug/L	<20
AROCLOR-1232	11141-16-5	20 ug/L	<20
AROCLOR-1242	53469-21-9	20 ug/L	<20
AROCLOR-1248	12672-29-6	20 ug/L	<20
AROCLOR-1254	1109769-1	20 ug/L	<20
AROCLOR-1260	11096-82-5	20 ug/L	<20

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date extracted: 5/27/06	Matrix: Liquid
Date analyzed: 5/27/06	ELAP #: 11693

EPA METHOD 515

PARAMETER	CAS No.	MDL	RESULTS ug/L
Dalapon	75990	20 ug/L	<20
Dicamba	1918009	1.0 ug/L	<1.0
2-,4-D	94757	5.0 ug/L	<5.0
2,4,5-TP (Silvex)	93721	5.0 ug/L	<5.0
Dinoseb	88857	0.5 ug/L	<0.05
Picloram	1918021	5.0 ug/L	<5.0

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date extracted: 5/26, 5/31, 6/1/06	Matrix: Liquid
Date analyzed: 5/26, 5/31, 6/1/06	ELAP #: 11693

TOTAL METALS ANALYSIS

PARAMETER	MDL	RESULTS mg/L
SILVER, Ag	0.05 mg/L	<0.05
ALUMINUM, Al	0.05 mg/L	6.51
ARSENIC, As	0.05 mg/L	<0.05
BARIUM, Ba	1.00 mg/L	<1.00
BERYLLIUM, Be	0.05 mg/L	<0.05
CALCIUM, Ca	0.05 mg/L	11.6
CADMIUM, Cd	0.05 mg/L	<0.05
COBALT, Co	0.05 mg/L	<0.05
CHROMIUM, Cr	0.05 mg/L	0.09
COPPER, Cu	0.05 mg/L	0.10
IRON, Fe	0.05 mg/L	26.1
MERCURY, Hg	0.002 mg/L	<0.002
POTASSIUM, K	0.05 mg/L	3.35
MAGNESIUM, Mg	0.05 mg/L	5.13
MANGANESE, Mn	0.05 mg/L	0.80
MOLYBDENUM, Mo	0.05 mg/L	<0.05
SODIUM, Na	0.05 mg/L	13.3
NICKEL, Ni	0.05 mg/L	<0.05
LEAD, Pb	0.005 mg/L	<0.005
ANTIMONY, Sb	0.05 mg/L	<0.05
SELENIUM, Se	0.05 mg/L	<0.05
THALIUM, Tl	0.05 mg/L	<0.05
VANADIUM, V	0.05 mg/L	<0.05
ZINC, Zn	0.05 mg/L	0.24

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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

Client: PW Grosser	Client ID: RSL-Lakeland Avenue (GW-6)
Date received: 5/23/06	Laboratory ID: 1109722
Date analyzed: See Below	Matrix: Liquid

ANALYTICAL RESULTS

PARAMETER	METHOD	DATE ANALYZED	RESULTS
Chloride	EPA 300.0	5/24/06	23 mg/L
Sulfate (as SO4)	EPA 300.0	5/24/06	59 mg/L
Ammonia (as N)	SM 18 4500-NH3 C	5/26/06	<1 mg/L
Nitrate (as N)	EPA 300.0	5/24/06	1.9 mg/L
Nitrite (as N)	EPA 300.0	5/24/06	<0.5 mg/L
Bromide	EPA 300.0	5/24/06	<1.0 mg/L
Orthophosphate (as P)	EPA 300.0	5/24/06	<1.0 mg/L
Fluoride, Total	EPA 300.0	5/24/06	<1.0 mg/L

Michael Veraldi

Michael Veraldi-Laboratory Director

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110 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738

NAME OF FACILITY: Island Hills Golf Club		OWNER/ OFFICER	PAGE ___ OF ___
COMPANY NAME		CONTACT	TEL.
PLANT ADDRESS: Lakeland Ave	VILLAGE: Sayville	TOWN	ZIP
MAILING ADDRESS			

DATE	TIME	ORIG. PERIODIC RE.	WASTE	NO WASTE H&H	SEWAGE SYSTEM	PUBLIC PRIVATE
8-7-07						

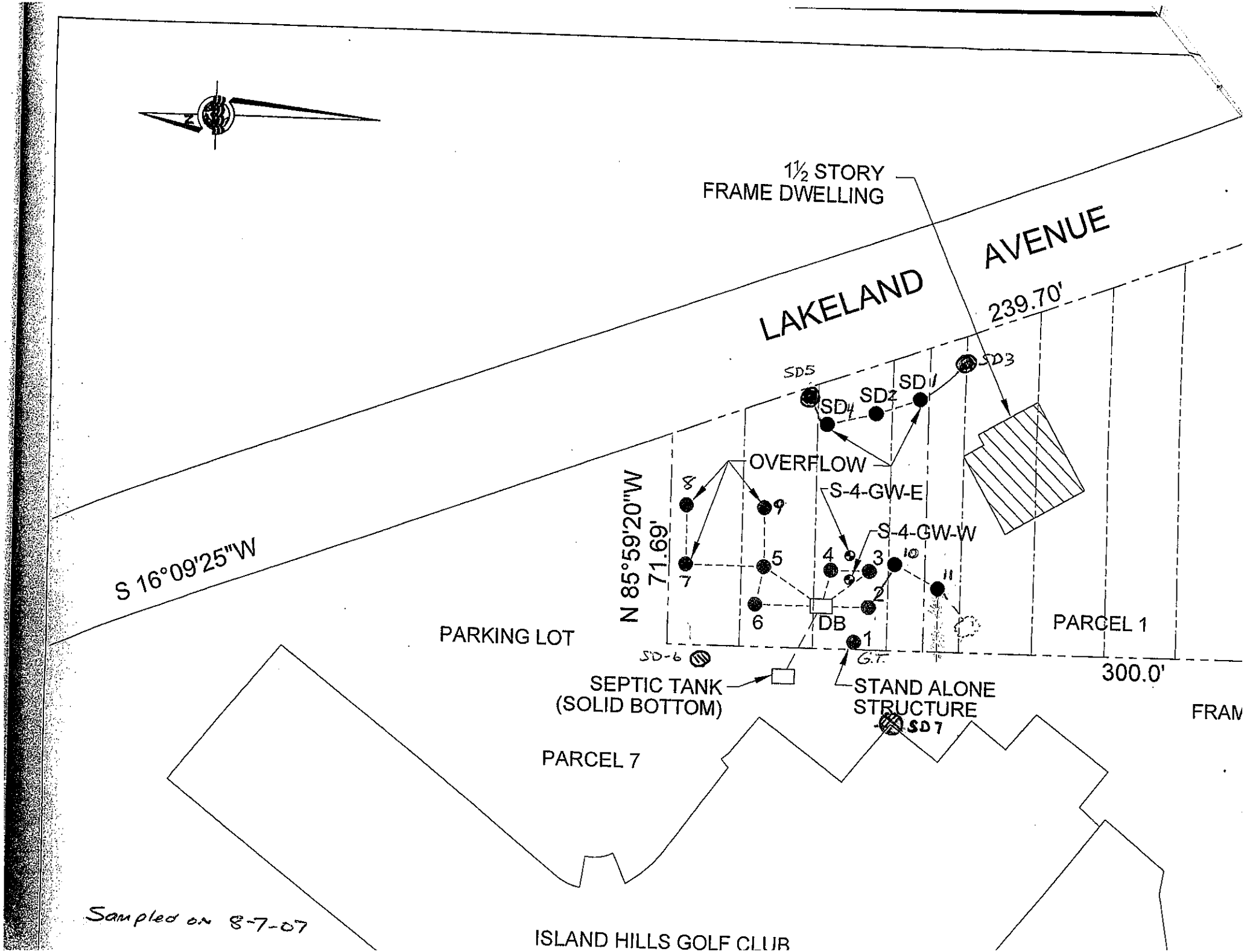
Sanitary & storm drain sampling w/ F+E Steve Kaplan. 499-2222
SD-1 thru SD-6
S-7 S-8 S-9 S-10 S-11 DB-1 ST-1
SD-1 + SD-4 slotted covers
SD-2, SD-3 solid covers overflow from SD-1
SD-5 solid cover overflow from SD-4
S10 + S11 feed off from S-2. Another pipe exits S-11 to SW. possible BG pool exists
Sample all SVOC, VOC, metals York Labs
SD-6 10 feet deep dry Med brown soil no odor
SD-5 12' 4" dry Med brown soil no odor
SD-4 7' deep 2' H2O Med brown soil no odor
SD-2 11' deep 4' H2O med brown soil no odor
SD-1 7' deep 4' H2O dk brow/black sludge some odor
SD-3 9' 9" deep dry Med brown soil no odor
S-11 12' deep dry Lt. brown soil slight septic odor
S-10 12' deep 6' liq
S-7, 8, 9 composite 7 - 20' 18' liq 8 - 12' 7' liq 9 - 12' 7' liq
ST-1 No sludge
DB-1 VOCs solid bottom Sludge taken.
SD-7 10' full of liquids
S-1 is grease trap

Cooler has ice. All samples to York. No split

9-10-07 Received Cleanout plan w/ sampling results
8 structures to be cleaned out
SD-2, 3, 5, 6, 7
S-4
DB-1
ST-1

File

18-234..8/94cb


1½ STORY
FRAME DWELLING
LAKELAND
AVENUE
239.70'
SD5
SD4
SD2
SD1
SD3
OVERFLOW
S-4-GW-E
S-4-GW-W
S 16°09'25"W
N 85°59'20"W
71.69'
PARKING LOT
DB
SD-6
SEPTIC TANK
(SOLID BOTTOM)
STAND ALONE
STRUCTURE
SD7
PARCEL 1
300.0'
PARCEL 7
Sampled on 8-7-07
ISLAND HILLS GOLF CLUB

Suffolk County Department of Health Services
Office of Pollution Control
Farmingville, N.Y.
Remediation and Spills Data Entry Form

File Reference Number: 07235
Keyed 4-2-08 (EP) Date

SCDHS Spill No.:	NYSDEC Spill No.:	SIC Code:	Spill Notification/ Sample Date:	Clean-up Date:
2007-120			5/24/07	9/17/07

Facility Name: Island Hills Golf Club
Address: Lakeland Ave
Sayville, NY 11782
Contact Person:
Tel. Number: 589-2200
Owner/Operator:

Spill Information Section

Location of Spill: Storm drains
Tax Map No: 500 (District) 280 (Section) i (Block) 15 (Lot)
Site Type: parking lot
Referred By: F+E
☐ NYSDEC Response Unit on Site
☐ Spilled Liquid reached GW Table
Spill Type: improper discharge
Spill Material: SVOCs metals
Quantity Spilled: unknown Gals

Remediation and Clean-Up Information Section

Name of Contractor: AB Environmental
Contact: J. Sabatino
Tel. No:

5 Storm Drain
___ Sanitary Cesspool
___ Septic Tank
___ Soil Excavation
___ Tank Removal

Tank Clean-ups
Facility Registration No.
Tank Number ___
Tank Number ___

Item	Yes	No	Item	Yes	No
Necessary Equipment	✓		Samples Obtained	✓	
Unsafe Procedures Noted			Manifest Required		
Pressure Washing OK			Copy of Manifest Attached	✓	
Remaining Soils Visually Clean	✓		Bill of Lading		
Remaining Soils Odorous		✓	Copy Bill of Lading Attached		
Soil/Sludge Storage Compliance			Soil Removed from Site	✓	
Soil Borings Completed			*Enter Name of Soil Boring Contractor Below:*		

Clean Up Status: [ ] Completed [ ] Additional Work Required [✓] Sample Results Pending

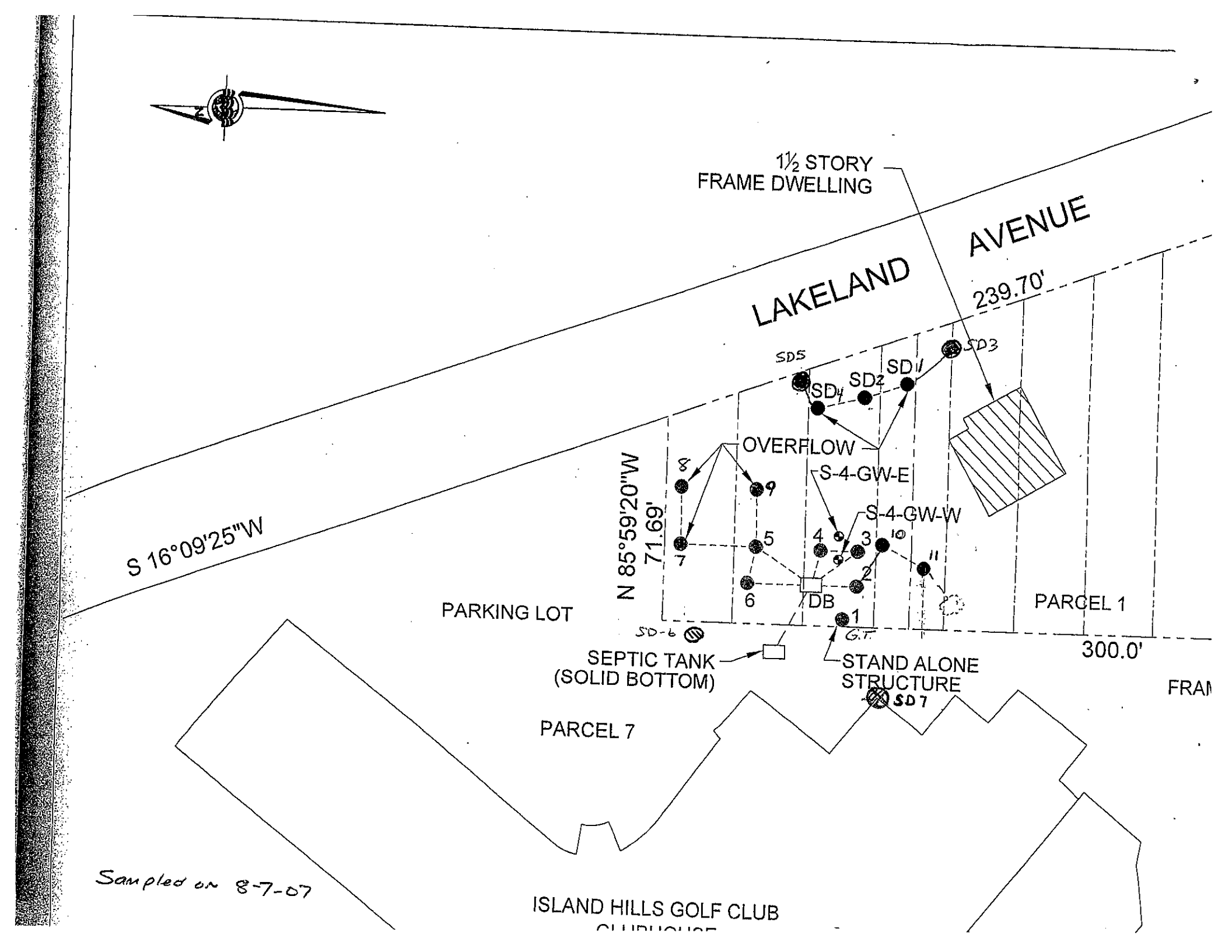
Volume of Liquid Removed 6500 Gals Solids Removed 28 Cu. Yds. / Tons / Drums TOTAL

-17 Comments (sketches on back): Cleanout of SD-2 SD-3 SD-5
13 yds removed. Soils are going back to AB yard.
Endpoints taken SD-2 SVOC + lead
SD-3 SVOC
SD-5 SVOC
All samples were clean sand, no odors. Samples to York. No Spill

-18 Cleanout of SD-7 7yds removed. No liquids
-24 2nd cleanout S-4 VOC+Metals endpt. Cleanout of SD-6 8yds removed.

Edward Pine
Signature of Inspector

9-17-07
Date Form Completed


1½ STORY
FRAME DWELLING
LAKELAND
AVENUE
239.70'
SD5
SD4
SD2
SD1
SD3
OVERFLOW
S-4-GW-E
S-4-GW-W
S 16°09'25"W
N 85°59'20"W
71.69'
PARKING LOT
DB
PARCEL 1
300.0'
SD-6
SEPTIC TANK
(SOLID BOTTOM)
STAND ALONE
STRUCTURE
SD7
PARCEL 7
Sampled on 8-7-07
ISLAND HILLS GOLF CLUB

Suffolk County Department of Health Services
Office of Pollution Control
Farmingville, N.Y.
Remediation and Spills Data Entry Form

File Reference Number: 07235
Keyed 4-2-08 (EP) Date

SCDHS Spill No.:	NYSDEC Spill No.:	SIC Code:	Spill Notification/ Sample Date:	Clean-up Date:
2007-120			5/24/07	9/14/07

Facility Name: Island Hills Golf Club	Contact Person:
Address: Lakeland Ave. Sayville NY 11782	Tel. Number: 589-2200
	Owner/Operator:

Spill Information Section

Location of Spill: Storm drain + sanitary system in parking lot.

Tax Map No: 500 (District) 280 (Section) 1 (Block) 15 (Lot)

Spill Type: improper discharge

Site Type: parking Lot

Referred By: PW Grosser / F + E

☐ NYSDEC Response Unit on Site

☐ Spilled Liquid reached GW Table

Spill Material: SVOCs, VOCs

Quantity Spilled: unknown Gals

Remediation and Clean-Up Information Section

Name of Contractor: AB Environmental | Contact: J. Sabatino | Tel. No:

____ Storm Drain
1 Sanitary Cesspool
2 Septic Tank
____ Soil Excavation
____ Tank Removal

Tank Clean-ups

Facility Registration No.

Tank Number ____
Tank Number ____

Item	Yes	No	Item	Yes	No
Necessary Equipment	✓		Samples Obtained	✓	
Unsafe Procedures Noted			Manifest Required		
Pressure Washing OK			Copy of Manifest Attached		
Remaining Soils Visually Clean	✓		Bill of Lading		
Remaining Soils Odorous		✓	Copy Bill of Lading Attached		
Soil/Sludge Storage Compliance			Soil Removed from Site	✓	
Soil Borings Completed			*Enter Name of Soil Boring Contractor Below:*		
RGM Earthcare					

Clean Up Status: [ ] Completed [ ] Additional Work Required [✓] Sample Results Pending

Volume of Liquid Removed 5000 Gals Solids Removed 9 (Cu. Yds./ Tons / Drums)

Comments (sketches on back): Cleanout of ST-1 DB-1 (distribution tank) & S-4
3/14 ST-1 + DB-1 liquids are going to Bergen Pt. Grease and other solids going to RGM.
S-4 endpt SVOC, VOC + Metals taken. Sample was greyish w/ sanitary odor.
Cooler had ice. Samples going to York. No Splits.

Edward Poe
Signature of Inspector

9-14-07
Date Form Completed

COUNTY OF SUFFOLK

STEVE LEVY
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

HUMAYUN J. CHAUDHRY, D.O., M.S.
Commissioner

April 1, 2008

Freudenthal & Elkowitz Consulting Group, Inc.
1757-24 Veterans Memorial Highway
Islandia, New York 11749

Attn: Stephen Kaplan

Re: **ENVIRONMENTAL REMEDIATION – CLOSURE REPORT**
ISLAND HILLS GOLF CLUB, SAYVILLE, NEW YORK

Gentlemen:

As a follow-up to your submitted closure report, this correspondence is to advise you that a review of the procedures utilized during cleanup activities conducted from September 14, 2007 to September 24, 2007 with Suffolk County oversight has been completed.

Based upon this review, it has been determined that a satisfactory remediation of the concerned areas of contamination was accomplished, and no further extraction is mandated.

The above matter has been closed, since the required documents were recently received and incorporated into the Department's records.

Should you have any questions concerning this matter, please contact me at 631-854-2514.

Sincerely,

D.C. Gobbi, R.S.
Senior Public Health Sanitarian
Office of Pollution Control

DCG/lc

FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

1757-24 Veterans Memorial Highway
Islandia, New York 11749
Tel: (631) 499-2222
Fax: (631) 499-5928
fecg@fecg.us

November 2, 2007

VIA OVERNIGHT CARRIER

Mr. Dennis Gobbi
Senior Public Health Sanitarian
Office of Pollution Control
Suffolk County Department of Health Services
15 Horseblock Place
Farmingville, New York 11738

Re: Summary of UIC Closure Activities
Island Hills Golf Club (Parcels 1 & 2)
Sayville, New York

Dear Mr. Gobbi:

On behalf of our client, Island Hills Golf Club (IHGC), Freudenthal & Elkowitz Consulting Group, Inc. (F&E) is submitting, for your review and approval, this Underground Injection Control (UIC) Closure Report for the above-referenced property (see Figure 1).

Background

IHGC currently leases the subject property and utilizes same as an asphalt-paved parking lot and formerly as a groundskeeper's residence. Further, portions of the subject property (primarily underlying the asphalt-paved surface) are equipped with an on-site sanitary system and stormwater drywells (see Figure 2).

As indicated on Figure 2, the on-site sanitary system is constructed with a septic tank ("ST-1") that discharges to a distribution box ("DB-1") and a stand alone cesspool ("S1"). DB-1 is a solid-bottomed concrete sanitary structure that discharges effluent to five cesspools ("S2," "S3," S4, "S5" and "S6"). Cesspool S2 was determined by F&E to discharge into overflow cesspools "S10" and "S11." With the exception of cesspool S11, no at-grade leaching structures are equipped with a sub-grade overflow pool. The location of the overflow cesspool for S11, if present, was determined to be located beneath a lawn area to the west of S11. Cesspool S5 was determined to discharge into three overflow cesspools ("S7", "S8" and "S9") in a Phase II Environmental Site Assessment dated April 16, 2006, prepared by P.W. Grosser.

RECEIVED
SUFFOLK COUNTY DEPT OF
HEALTH SERVICES
POLLUTION CONTROL
2007 NOV -2 AM 9:47

Based upon a telephone conversation with you on July 30, 2007 and field observations with SCDHS Sanitarian Edward Roe, F&E collected bottom sediment samples from the un-evaluated UIC Program-related structures (i.e., not included as part of the aforementioned P.W. Grosser report) on August 7, 2007. This included accessing and sampling (wherever possible) ST-1, DB-1, a composite sample of S7, S8 and S9, S10, S11, and seven stormwater drywells: "SD-1" through "SD-7."

As required by SCDHS protocols, the bottom sediment samples from the remaining UIC structures were analyzed for Suffolk County List (SCL) volatile organic compounds (VOCs) using the United States Environmental Protection (USEPA) Method 8260, SCL semi-volatile organic compounds (SVOCs) using USEPA Method 8270 and SCL metals using the USEPA 6010/7000 Series. The analytical data were compared to the SCDHS Action Levels included in the Suffolk County Standard Operating Procedure for the Administration of Article 12 of the Suffolk County Sanitary Code, SOP No. 9-95 – Pumpout and Soil Cleanup Criteria, dated January 7, 1999 (see Table 1 and Attachment A). Based on these analytical data as well as information obtained from the P.W. Grosser report, and in accordance with F & E's August 31, 2007 SCDHS-approved UIC Closure Plan, it was determined that the bottom sediments within ST-1, DB-1, S4, SD-2, SD-3, SD-5 SD-6 and SD-7 required remediation.[1]

In addition to the aforementioned samples, a bottom sediment/sludge waste characterization sample was collected from cesspool S4 on August 7, 2007 (Attachment A), in preparation for removal of elevated concentrations of 1,4-dichlorobenzene. S4 was identified as an issue of environmental concern in the Phase II Environmental Site Assessment dated April 16, 2006, prepared by P.W. Grosser. More specifically, the P.W. Grosser report identified contaminants in contravention of SCDHS regulations in cesspool S4. According to AB Environmental ("AB;" selected environmental remediation contractor for the subject property), the Toxicity Characteristic Leaching Procedure (TCLP) concentration detected for 1,4-dichlorobenzene within the S4 waste characterization sample was within the parameters for regulated non-hazardous disposal. Further, the remaining compounds reported within the P.W. Grosser SCL VOC data for S4 did not warrant further waste characterization analyses, and likewise, were within the parameters for regulated non-hazardous disposal.

Remediation Activities

On-site Sanitary System

In accordance with the SCDHS-approved UIC Closure Plan, the remediation of ST-1, DB-1 and S4 was conducted under F&E and SCDHS oversight on September 14 and 24, 2007. These activities included the pumping out of liquids and the removal of impacted sludge and bottom sediments present within these structures.

[1] It should be noted that no sludges were present within the septic tank (ST-1) during F&E's August 7, 2007 sampling activities. The remediation of standing liquids and bottom sediments (if identified) within ST-1 were required solely based upon the concentrations of the VOCs and metals reported in cesspool S-4.

On September 14, 2007, AB utilized a power washer and vactor in ST-1 and DB-1 to remove bottom sediments/sludge and expose the hard bottoms of these structures. Mr. Roe inspected both structures and verbally approved the remediation of same.

A vactor was utilized in S4 to remove bottom sediments/sludge until clean soil conditions were achieved. Mr. Roe observed the collection of a bottom sediment end-point sample from within S4, and verbally approved the cleanout subject to analytical results.

In accordance with SCDHS direction, the end-point sample collected from S4 was analyzed for SCL VOCs using USEPA Method 8260 and SCL metals using the USEPA 6010/7000 Series (see Table 1 and Attachment A). Due to end-point sample concentrations of 1,3-dichlorobenzene, chlorobenzene and copper in exceedance of SCDHS Cleanup Objectives, AB removed an additional volume of sediment (approximately three cubic yards) from S4 on September 24, 2007. Mr. Roe observed the collection of a bottom sediment end-point sample from within S4, and verbally approved the cleanout subject to analytical results. The sample was analyzed for SCL VOCs using USEPA Method 8260 and SCL metals using the USEPA 6010/7000 Series. The laboratory data indicates that no SCL VOCs or SCL metals were detected above SCDHS Cleanup Objectives (see Table 1 and Attachment A).

As a result of removal of impacted bottom sediments described above, cesspool S4 became undermined. In order to address this condition, AB backfilled S4 with approximately ten yards of fill on September 27, 2007.

Based upon these data and the above information, S4, ST-1 and DB-1 were successfully remediated, and no further actions are warranted with respect to the on-site sanitary system.

Stormwater Leaching Structures

In accordance with the SCDHS-approved UIC Closure Plan, the remediation of five stormwater leaching structures (SD-2, SD-3, SD-5, SD-6 and SD-7) was conducted under F&E and SCDHS oversight on September 17, 18, 21 and 24 2007. These activities included the pumping out of liquids and the removal of impacted sludge and bottom sediments present within these structures.

On September 17, 18, and 24, 2007, AB utilized a vactor to remove impacted bottom sediments from the five stormwater leaching structures until clean soil conditions were achieved. It should be noted that prior to remediation, SD-6 was heavily overgrown with tree roots. The roots were removed with hand tools by AB on September 21, 2007 in order to facilitate the removal of impacted bottom sediments from this structure. Following the remediation of all five structures, Mr. Roe observed the collection of end-point samples from each and verbally approved the cleanouts pending analytical results.

In accordance with SCDHS direction, all five end-point samples collected from the five stormwater leaching structures were analyzed for SCL SVOCs using USEPA Method 8270. In addition, the SD-2 end-point sample was analyzed for SCL metals using the USEPA 6010/7000 Series (see Table 1 and Attachment A). The laboratory data indicates that no SCL SVOCs or SCL metals were detected above SCDHS Cleanup Objectives in any of the five end-point samples (see Table 1 and Attachment A).

As a result of the removal of impacted bottom sediments described above, all five stormwater leaching structures became undermined. In order to address this condition, AB backfilled SD-2, SD-3, SD-5 and SD-7 with approximately five yards of fill each on September 21, 2007. SD-6 was backfilled with ten yards of fill on September 27, 2007.

Based upon these data and the above information, all five stormwater leaching structures were successfully remediated, and no further actions are warranted with respect to the on-site stormwater leaching system.

Disposal Activities

Prior to conducting any remediation activities at the subject property, F&E coordinated the disposal of liquids generated from the on-site sanitary system and stormwater leaching structures with the Suffolk County Department of Public Works (SCDPW). SCDPW correspondence dated September 14, 2007, approving the disposal of the liquids at the County's Bergen Point facility has been provided in Attachment B.

Using a vacuum pump truck, a total of 5,000 gallons of liquids were removed from the on-site sanitary system (ST-1, DB-1 & S4) on September 14, 2007 by Wind River Environmental Corp (Wind River) and disposed of at Suffolk County's Bergen Point facility. On September 17, 2007 Wind River pumped a total of 6,500 gallons of liquids from stormwater drywells SD-2 and SD-7, and disposed of same at Suffolk County's Bergen Point facility. Manifests for the aforementioned 11,500 gallons of liquid disposal have been provided in Attachment C. No standing liquid was observed within the remaining stormwater structures scheduled for remediation (SD-3, SD-5 and SD-6).

The contaminated sludges and sediments from the on-site sanitary system and stormwater drywells were disposed of in accordance with appropriate federal, state and local regulations. A total of 56.81 tons of materials were disposed of at the following facilities: 8.66 tons at EarthCare, located at 972 Nicolls Road, Deer Park, New York; 16.19 tons at T.R.R.F., located at 200 Bordentown Road, Tullytown, Pennsylvania; and 17.73 tons and 14.23 tons at G.R.O.W.S., Inc., located at 1000 New Ford Mill Road in Morrisville, Pennsylvania. The transport and disposal documents are included in Attachment D.

Based upon the work conducted at the subject property, F&E believes that no further remedial actions are required. F&E respectively requests that the SCDHS provide their opinion in this matter.

Thank you in advance for your review of this matter. Please feel free to call either of the undersigned with any questions you may have.

Sincerely,

FREUDENTHAL & ELKOWITZ
CONSULTING GROUP, INC.

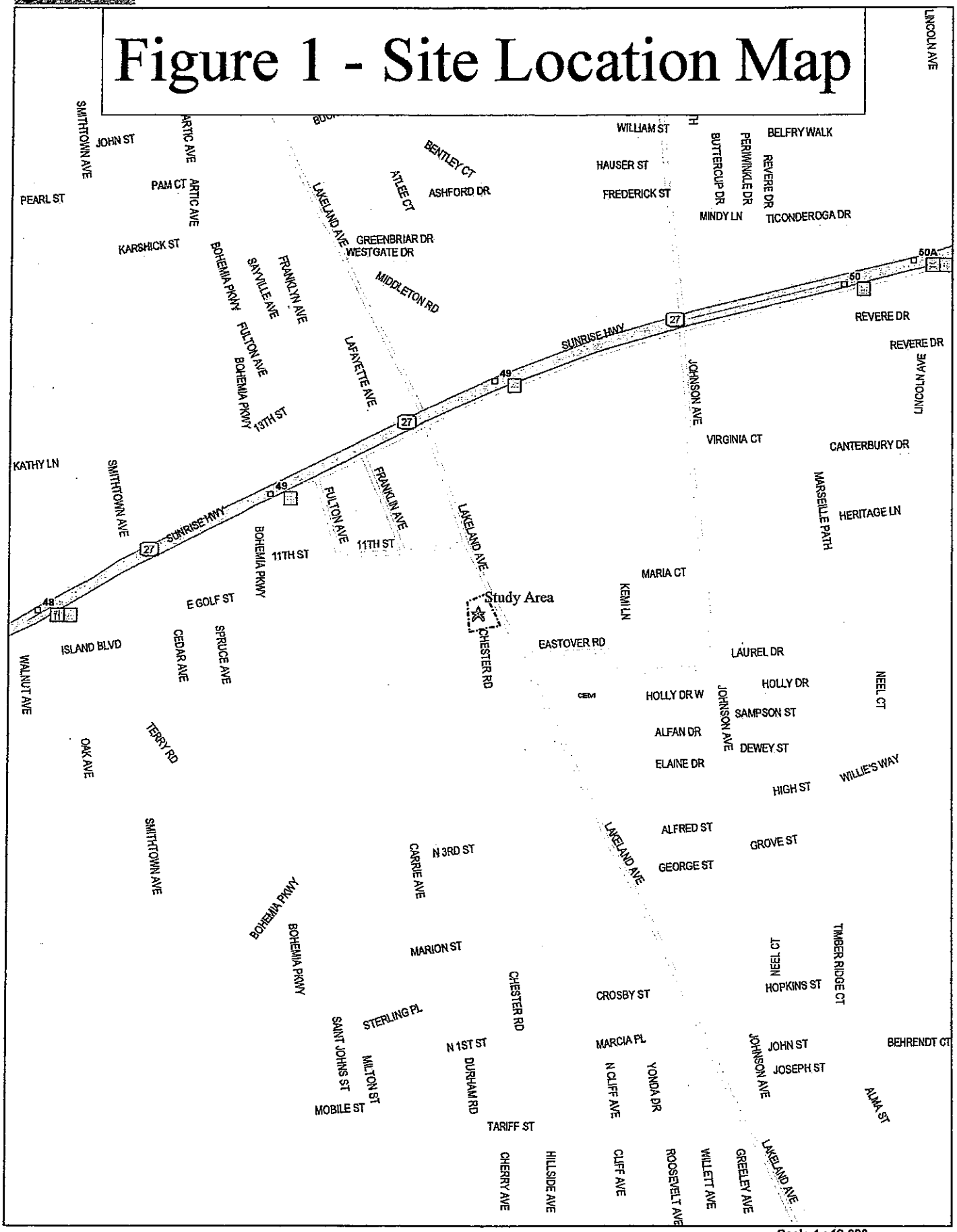
Stephen Kaplan (SK)

Stephen Kaplan
Director of Environmental Services

David Kennedy
Environmental Technician II

SK/th
att.
cc: D. Ward
B. Warren, Esq.

Figure 1 - Site Location Map



Data use subject to license.
© 2004 DeLorme. Street Atlas USA® 2005.
www.delorme.com

TN
MN (13.7°W)

Scale 1 : 12,800
1" = 1,066.7 ft
Data Zoom 14-0

Bottom Sediment Dat

Analysis	SD-1	SD-2		SD-3		SD-4	SD-5		Sample Id
SCL VOCs (ug/kg)	Initial Sample	Pre-remediation	Post-remediation	Pre-remediation	Post-remediation	Initial Sample	Pre-remediation	Post-remediation	Pre-remediation
1,2,4-Trimethylbenzene	60	ND	NA	ND	NA	ND	ND	NA	ND
1,2,4-Trichlorobenzene	ND	ND	NA	ND	NA	ND	ND	NA	ND
1,2-Dichlorobenzene	ND	ND	NA	ND	NA	ND	ND	NA	ND
1,3-Dichlorobenzene	ND	ND	NA	ND	NA	ND	ND	NA	ND
1,4-Dichlorobenzene	ND	ND	NA	ND	NA	ND	ND	NA	ND
4-Chlorotoluene	ND	ND	NA	ND	NA	ND	ND	NA	ND
Chlorobenzene	ND	ND	NA	ND	NA	ND	ND	NA	ND
Methyl ethyl ketone	79	ND	NA	ND	NA	ND	ND	NA	ND
p-Isopropyltoluene	ND	ND	NA	ND	NA	ND	ND	NA	ND
Toluene	ND	ND	NA	ND	NA	69	ND	NA	ND
SCL Metals (mg/kg)	SD-1 Initial Sample	SD-2 Pre-remediation	SD-2 Post-remediation	SD-3 Pre-remediation	SD-3 Post-remediation	SD-4 Initial Sample	SD-5 Pre-remediation	SD-5 Post-remediation	SD-5 Pre-remediation
Arsenic	3.23	4.61	ND	2.38	NA	4.69	1.36	NA	4.11
Cadmium	2.34	3.31	ND	0.64	NA	2.95	ND	NA	ND
Chromium	24.6	50.3	1.25	33	NA	29.1	3.72	NA	21.9
Copper	99.6	88	6.44	74.4	NA	85.5	9.58	NA	103
Lead	130	1,170	[redacted]	70.9	NA	215	11.3	NA	79.5
Nickel	13.4	27.3	1.17	12	NA	20.8	2.40	NA	19.8
Silver	ND	0.81	ND	ND	NA	ND	ND	NA	ND
Mercury	ND	ND	ND	ND	NA	ND	ND	NA	ND
SCL SVOCs (ug/kg)	SD-1 Initial Sample	SD-2 Pre-remediation	SD-2 Post-remediation	SD-3 Pre-remediation	SD-3 Post-remediation	SD-4 Initial Sample	SD-5 Pre-remediation	SD-5 Post-remediation	SD-5 Pre-remediation
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	2,100
Benzo(a)pyrene	ND	ND	ND	1,400	ND	ND	2,000	ND	9,800
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	1,500	ND	7,500
Benzo(b)fluoranthene	ND	ND	ND	2,400	[redacted] ND [redacted]	ND	3,400	[redacted] ND [redacted]	15,000
Benzo(g,h,i) perylene	ND	ND	ND	ND	ND	ND	ND	ND	2,000
Benzo(k)fluoranthene	ND	ND	ND	1,400	ND	ND	2,200	[redacted] ND [redacted]	13,000
Chrysene	ND	1,300	[redacted] ND [redacted]	1,500	[redacted] ND [redacted]	ND	2,300	[redacted] ND [redacted]	9,600
Indeno (1,2,3-cd) pyrene	ND	ND	ND	ND	ND	ND	ND	ND	2,500
Fluoranthene	2,100	1,900	ND	2,700	ND	2,000	4,700	ND	18,000
Phenanthrene	1,400	ND	ND	1,400	ND	1,300	2,300	ND	10,000
Pyrene	1,400	1,500	ND	2,200	ND	1,400	3,900	ND	14,000

Notes:
SCDHS Action Level - Article 12 - SOP No. 9-95 Pumpout and Cleanup Criteria, January 7, 1999.
ND - Analyte was not detected above method detection limit.
NA - Not Applicable.
* - Data taken from PW Grosser 2/26/06
** - Although pre- remediation SVOC values for SD-7 did not exceed SCDHS Action Levels, this structure was remediated due to elevated SCL SVOC MDL levels in the initial sample analyses.
*** - DB-1 is a shallow, hard bottom distribution box: all sediments and liquids were removed during remediation.
Bolded Value indicates detected concentration exceeded guidance value.

sland Hills Golf Course

	SD-7		S-4		S7,8,9	S10	S11	DB-1**	SCDHS	
dation	Pre-remediation	Post-remediation	Pre-remediation*	Post-remediation	Initial Sample	Initial Sample	Initial Sample	Pre-Remediation	Action Level	Cleanup Objective
	ND	NA	ND	[redacted]	100	ND	ND	ND	4,800	2,400
	ND	NA	47,569	[redacted]	ND	ND	ND	ND	6,800	3,400
	ND	NA	1,728,384	[redacted]	1,100	97	ND	ND	15,000	8,000
	ND	NA	31,736	[redacted]	59	ND	ND	ND	3,200	1,600
	ND	NA	511,859	[redacted]	570	99	ND	4,500	15,000	8,000
	ND	NA	11,773	[redacted]	NA	NA	ND	NA	NA	NA
	ND	NA	354,182	[redacted]	2,400	230	ND	6,880	3,400	1,700
	ND	NA	ND	ND	75	ND	ND	ND	600	300
	1,900	NA	ND	ND	290	52	ND	ND	7,800	3,900
	2,600	NA	ND	ND	390	65	ND	ND	3,000	1,500
	SD-7		S-4		S7,8,9	S10	S11	DB-1**	SCDHS	
dation	Pre-remediation	Post-remediation	Pre-remediation*	Post-remediation	Initial Sample	Initial Sample	Initial Sample	Pre-Remediation	Action Level	Cleanup Objective
	1.87	NA	3.75	ND	0.73	1.66	ND	NA	25	7.5
	ND	NA	2.69	ND	ND	ND	ND	NA	10	1.0
	3.45	NA	18	ND	4.40	5.84	2.19	NA	100	10.0
	39.3	NA	1,143	[redacted]	163	296	32.9	NA	300	25.0
	18.1	NA	74.8	1.79	12	22.20	3.07	NA	400	100.0
	1.89	NA	13	1.96	5.31	8.73	1.70	NA	1,000	13.0
	1.21	NA	21.4	ND	2.35	2.81	1.41	NA	100	5.0
	ND	NA	1.09	ND	ND	ND	ND	NA	2.0	0.1
	SD-7**		S-4		S7,8,9	S10	S11	DB-1**	SCDHS	
dation	Pre-remediation	Post-remediation	Pre-remediation*	Post-remediation	Initial Sample	Initial Sample	Initial Sample	Pre-Remediation	Action Level	Cleanup Objective
	ND	[redacted]	47	NA	ND	ND	ND	NA	75,000	50,000
	ND	[redacted]	62	NA	ND	ND	ND	NA	22,000	11,000
[redacted]	ND	[redacted]	127	NA	ND	ND	ND	NA	6,000	3,000
[redacted]	ND	[redacted]	93	NA	ND	ND	ND	NA	2,200	1,100
	ND	[redacted]	ND	NA	ND	ND	ND	NA	75,000	50,000
[redacted]	ND	[redacted]	ND	NA	ND	ND	ND	NA	2,200	1,100
[redacted]	ND	[redacted]	115	NA	ND	ND	ND	NA	800	400
	ND	[redacted]	225	NA	ND	ND	ND	NA	75,000	50,000
	ND	[redacted]	ND	NA	ND	ND	ND	NA	75,000	50,000
	ND	[redacted]	202	NA	ND	ND	ND	NA	75,000	50,000
	ND	[redacted]	225	NA	ND	ND	ND	NA	75,000	50,000

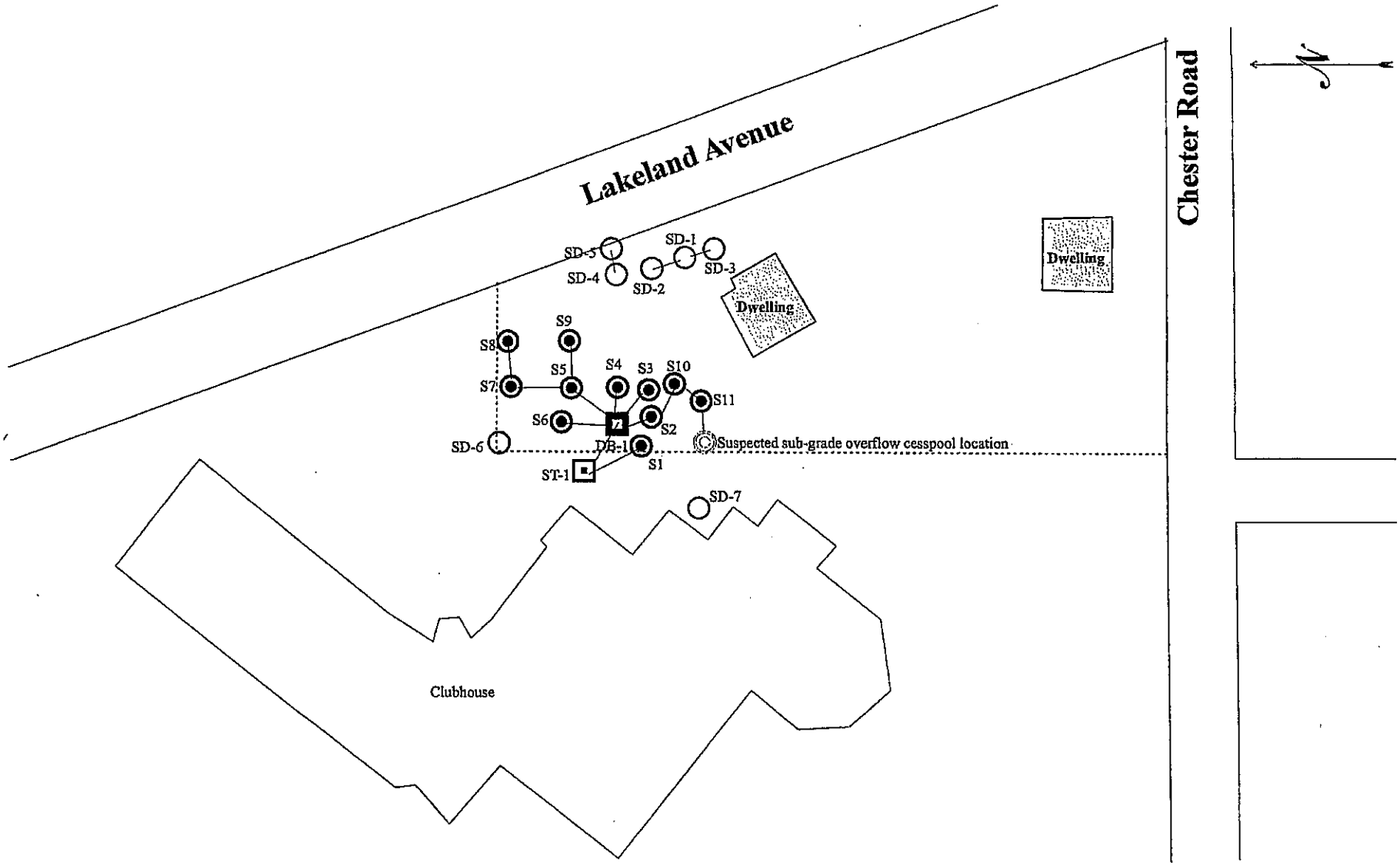


Figure Not to Scale

Figure 2 - Sampling Locations

FREUDENTHAL & ELKOWITZ CONSULTINGROUP, INC.

KH '01[illegible]

C2G Environmental Consultants, LLC

165 Sherwood Avenue
Farmingdale, NY 11735

www.c2g.us

Tel (631) 414-7757
Fax (631) 843-6331

June 24, 2010

Island Hills Golf Club
458 Lakeland Avenue
Sayville, NY 11782

Attn: Mr. Tony Caggiano

Re: **Request for No Further Action**
Island Hills Golf Club
458 Lakeland Avenue
Sayville, NY 11782

Dear Mr. Caggiano:

In June, 2010, C2G Environmental Consultants, LLC (C2G) was retained by Mr. Robert Stasio of VIP Plumbing ad Heating Contracting, Inc. (VIP) to observe the tank excavation and to field screen tank excavation soils during the removal of one (1) – 1,000 gallon gasoline underground storage tank (UST) utilized at Island Hills Golf Club, Sayville. Due to Suffolk County Department of Health (SCDHS) requirements single walled USTs are required to be permanently closed and removed.

On June 17, 2010, VIP mobilized to the site to conduct the closure and removal of one (1) – 1,000 gallon UST. The scope of work to be performed is a site assessment detailing the removal of the tank and the underlying soils. Prior to tank removal, sixty five (65) gallons of gasoline was removed from the tank and properly disposed of at AB Oil Service, LTD of Bohemia. All connections to the UST i.e. fill line, vent line and product piping were cut and removed from the UST. The 1,000 gallon UST was removed, entered and no residual oil or sludge was noted at this time. The interior and exterior of the UST was inspected for holes or cracking. A representative of the SCDHS was present to inspect the tank excavation and the excavated UST. Please note that no holes or cracks were noted. The excavated single walled fiberglass tank was disposed of as garbage.

Once the tank was removed from the subsurface, the side walls and bottom of the tank excavation were field screened for the presence of Volatile Organic Compounds (VOCs) utilizing a properly calibrated Photo-Ionization (PID) meter. Total depth of the excavation was approximately eight (8) feet below grade. At this time, no positive readings were displayed with the PID and no olfactory or visual evidence of soil contamination was noted. Upon SCDHS permission, the tank excavation was backfilled. Please see the SCDHS Tank Removal Checklist enclosed.

Prior to backfilling, one (1) composite soil sample was collected from the sidewalls and bottom of the tank excavation area. The sample was submitted for analysis to Phoenix Environmental Laboratories, Inc. (NYSDOH certified), Manchester, CT. The sample was analyzed according to Article 12 of the SCDHS Sanitary Code and in accordance with the New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) # 4046 utilizing EPA Method 8260 STARS for Volatile Organic Compounds (VOCs) and EPA Method 8270 STARS for Semi-Volatile Organic Compounds (SVOCs).

Laboratory analytical results of the composite soil sample collected from the tank excavation on June 17, 2010 did not detect any VOC or SVOC concentrations above laboratory detection limits therefore levels are below the SCDHS and NYSDEC Guidance Values. Please see the laboratory analytical results and chain of custody documentation enclosed.

Groundwater was not encountered during the tank excavation activities. Please note that based on USGS groundwater wells, groundwater is estimated to be approximately fifteen (15) feet below grade. Based on the prescribed information, C2G requests no further action regarding the closure and removal of the 1,000 gallon gasoline UST formerly associated with the above noted address.

Thank you for your time with this project. Please do not hesitate to contact our office at anytime regarding the above information.

Regards,

Joseph Gavin
Geologist

RECEIVED
JUL - 7 2010

Cc: Mr. William Skeats, Suffolk County Department of Health Services
Mr. Robert Stasio, VIP Plumbing and Heating Contracting, Inc.

Work Order 71945

Date/Time Pickup: 6/17/2010 08:00 AM

Date Created: 06/16/2010
Date Printed: 06/16/2010

Generator ID	16790
Generator	ISLAND HILLS GOLF CLUB.
EPA ID	
Address 1	LAKELAND AVENUE
Address 2	
City, St Zip	SAYVILLE, NY 11782
Site Contact	BOB STASIO
Site Phone	
Hours	

Truck	**A B OIL SERVICE LTD.**
Facility	A B OIL SERVICE LTD.
State ID	NYD987023371
Address 1	1599 Ocean Avenue
Address 2	
City, St Zip	Bohemia, NY 11716
Driver	MICHAEL ROSATI
SubContractor	

Bill Method	Bill
PO Num	
Customer Num	16281
Bill To	VIP ENVIRONMENTAL SERVICES
Address 1	209 SOUTH FEHR
Address 2	
City, St Zip	BAY SHORE, NY 11706

Directions

Work Description: SCHEDULED FOR THURSDAY 6/17/10 @ 8:00 AM

PUMP DRY (1) 1000 GALLON GASOLINE TANK (APPROX. 50 - 100 G)

LOCATED AT MAINTENANCE BARN (SEE ATTACHED MAP)

65 Gallons Pumped out of Gasoline (Unit 203)

x _____ 6-17-10
Customer Signature Date

x Robert Stasio
Print Name

_____ 8:15
MOB Time In

_____ 6-17-10
Driver Signature Date

V8
Truck Number

8:45
Time Out DE MOB

THIS MEMORANDUM is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, not a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

Carrier _____ SCAC _____ Carrier's No. _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at _____, date _____ from _____

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO:	**FROM:**
Consignee	Shipper
Street	Street
Destination _____ Zip	Origin _____ Zip
Route	

Delivering Carrier	Vehicle Number	U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
	X							

Remit COD to:
Address:
City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of Consignor)

COD AMT: $

TOTAL CHARGES: $

COD FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES: ☐ Prepaid ☐ Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ BY SHIPPER ☐ BY CARRIER

DRIVER'S SIGNATURE:

SHIPPER: _____
PER: _____ DATE: _____

CARRIER: _____
PER: _____ DATE: _____

EMERGENCY RESPONSE TELEPHONE NUMBER: ( ) _____

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

29-BLS-C4 970 (Rev. 2/07)

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
DIVISION OF ENVIRONMENTAL QUALITY
OFFICE OF POLLUTION CONTROL

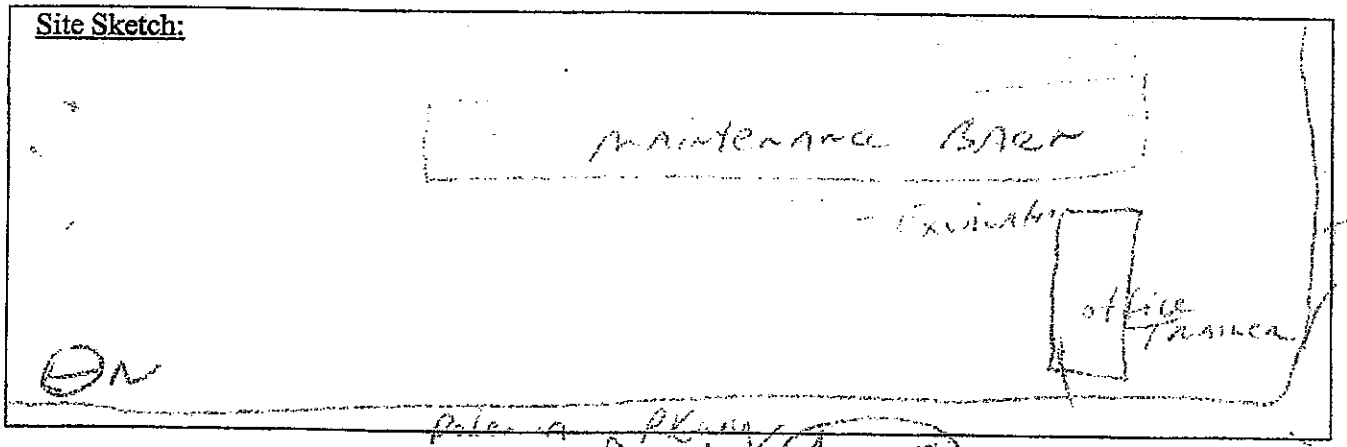
TANK REMOVAL CHECKLIST

FILE REF NO: 6123 REG NO: 3 DATE: 1/11/
FACILITY NAME: Island Hills Golf Club
FACILITY ADDRESS: Wheeler Ave Sayville
SCTM# 600 130 01 4 80 SITE GPS

TANK #	LOCATION	CAPACITY	CONTENTS	MATERIAL
1	U/ground	1000	GAS	FRP

1. CONDITION OF TANK AND PIPING: (Note any holes) OK
   Tank Empty
2. WAS CONTAMINATION NOTED WITHIN EXCAVATION? Y / N
   All Material Removed Under SCDHS Supervision: Y / N
   Approximate Amount Of Contaminated Soil Removed: _____ cu yds / tons / drums
   Was Ground Water Impacted: Y / N
   DEC Notified: Y / N *(1-800-457-7362)* DEC Spill Number: _____
3. WERE ALL ASSOCIATED PIPES AND VENT LINES REMOVED? (Y) / N (If No, explain)
4. NAME OF CONTRACTOR: VIP Bob Stain

Site Sketch:



A Copy of This Document Was Given to: Robert V Ale
(Owner's Representative)

Inspector: William Steidl Inspector's Signature:

OFFICE USE:	
SCDHS Spill Number:	Spills Key:

15 HORSEBLOCK PL., FARMINGVILLE, N.Y. 11738-1220

FAX: (631) 854-2505 · TEL: (631) 854-2501

PHOENIX
Environmental Laboratories, Inc.

Monday, June 21, 2010

Attn: Mr. Joe Gavin
C2G Environmental Consultants, LLC
165 Sherwood Avenue
Farmingdale, NY 11735

Project ID: 10060624
Sample ID#s: AZ15679

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 21, 2010

FOR: Attn: Mr. Joe Gavin
C2G Environmental Consultants, LLC
165 Sherwood Avenue
Farmingdale, NY 11735

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		06/17/10	11:00
Location Code:	C2G-FARM	Received by:	LB	06/17/10	18:13
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAZ15679
Phoenix ID: AZ15679

Project ID: 10060624
Client ID: COMPOSITE

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	06/17/10		C/JL	E160.3
Soil Extraction SVOA BN	Completed			06/17/10		QS/D	SW3545
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
1,3,5-Trimethylbenzene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
Benzene	ND	2.1	ug/Kg	06/18/10		R/J	8021/8260
Ethylbenzene	ND	2.1	ug/Kg	06/18/10		R/J	8021/8260
Isopropylbenzene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
m&p-Xylene	ND	2.1	ug/Kg	06/18/10		R/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
Naphthalene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
n-Butylbenzene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
n-Propylbenzene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
o-Xylene	ND	2.1	ug/Kg	06/18/10		R/J	8021/8260
p-Isopropyltoluene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
sec-Butylbenzene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
tert-Butylbenzene	ND	1.1	ug/Kg	06/18/10		R/J	8021/8260
Toluene	ND	2.1	ug/Kg	06/18/10		R/J	8021/8260
Total Xylenes	ND	2.1	ug/Kg	06/18/10		R/J	8021/8260
QA/QC Surrogates							
% 1,2-Dichlorobenzene-d4	100		%	06/18/10		R/J	8021/8260
% Bromofluorobenzene	88		%	06/18/10		R/J	8021/8260
% Dibromofluoromethane	104		%	06/18/10		R/J	8021/8260
% Toluene-d8	88		%	06/18/10		R/J	8021/8260
Semivolatiles							
Acenaphthene	ND	250	ug/Kg	06/18/10		HM	SW 8270

Project ID: 10060624
Client ID: COMPOSITE

Phoenix I.D.: AZ15679

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Anthracene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Benz(a)anthracene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Benzo(a)pyrene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Benzo(b)fluoranthene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Chrysene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Fluoranthene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Fluorene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Naphthalene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Phenanthrene	ND	250	ug/Kg	06/18/10		HM	SW 8270
Pyrene	ND	250	ug/Kg	06/18/10		HM	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	71		%	06/18/10		HM	SW 8270
% Nitrobenzene-d5	69		%	06/18/10		HM	SW 8270
% Terphenyl-d14	77		%	06/18/10		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
June 22, 2010

Ver 1

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

June 22, 2010

QA/QC Data

SDG I.D.: GAZ15679

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
QA/QC Batch 155615, QC Sample No: AZ15366 (AZ15679)								
Volatiles								
1,2,4-Trimethylbenzene	ND	86	76	12.3	76	61	21.9	
1,3,5-Trimethylbenzene	ND	86	76	12.3	86	84	2.4	
Benzene	ND	90	85	5.7	91	89	2.2	
Ethylbenzene	ND	91	82	10.4	94	92	2.2	
Isopropylbenzene	ND	82	74	10.3	90	84	6.9	
m&p-Xylene	ND	88	81	8.3	86	77	11.0	
Methyl t-butyl ether (MTBE)	ND	96	72	28.6	75	89	17.1	
Naphthalene	ND	59	88	39.5	79	59	29.0	
n-Butylbenzene	ND	79	67	16.4	75	65	14.3	2,3
n-Propylbenzene	ND	86	75	13.7	84	78	7.4	
o-Xylene	ND	90	81	10.5	92	91	1.1	
p-Isopropyltoluene	ND	86	74	15.0	85	84	1.2	
sec-Butylbenzene	ND	89	77	14.5	86	79	8.5	
tert-Butylbenzene	ND	91	81	11.6	92	90	2.2	
Toluene	ND	88	81	8.3	88	87	1.1	
% 1,2-dichlorobenzene-d4	100	98	97	1.0	98	95	3.1	
% Bromofluorobenzene	86	96	96	0.0	97	98	1.0	
% Dibromofluoromethane	101	109	108	0.9	102	105	2.9	
% Toluene-d8	93	96	96	0.0	94	97	3.1	
QA/QC Batch 155469, QC Sample No: AZ15395 (AZ15679)								
Polynuclear Aromatic HC								
Acenaphthene	ND	66	67	1.5	71	78	9.4	
Acenaphthylene	ND	65	66	1.5	68	73	7.1	
Anthracene	ND	77	78	1.3	82	89	8.2	
Benz(a)anthracene	ND	72	72	0.0	75	82	8.9	
Benzo(a)pyrene	ND	73	73	0.0	76	85	11.2	
Benzo(b)fluoranthene	ND	70	70	0.0	72	82	13.0	
Benzo(ghi)perylene	ND	77	78	1.3	78	80	2.5	
Benzo(k)fluoranthene	ND	74	73	1.4	75	83	10.1	
Chrysene	ND	73	70	4.2	73	79	7.9	
Dibenz(a,h)anthracene	ND	81	85	4.8	85	89	4.6	
Fluoranthene	ND	75	73	2.7	78	84	7.4	
Fluorene	ND	69	71	2.9	73	80	9.2	
Indeno(1,2,3-cd)pyrene	ND	80	82	2.5	83	86	3.6	
Naphthalene	ND	63	65	3.1	68	71	4.3	
Phenanthrene	ND	67	68	1.5	70	76	8.2	
Pyrene	ND	72	70	2.8	74	80	7.8	
% 2-Fluorobiphenyl	66	63	66	4.7	70	73	4.2	
% Nitrobenzene-d5	60	57	62	8.4	65	68	4.5	
% Terphenyl-d14	67	65	65	0.0	71	75	5.5	

QA/QC Data

SDG I.D.: GAZ15679

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD

2 = This parameter is outside laboratory lcs/lcsd specified limits.
3 = This parameter is outside laboratory ms/msd specified limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
June 22, 2010

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NY Temperature Narration

June 22, 2010

SDG I.D.: GAZ15679

The samples in this delivery group were received at 4C.
(Note acceptance criteria is above freezing up to 6C)

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Client Services (860) 645-8726

Temp 4 Pg of

Data Delivery:
☐ Fax #: _____
☐ Email: _____

Customer: C2G Environmental
Address: 105 Sherwood Ave
Farmingdale NY 11735

Project: 10060624
Report to: JGravin@C2G.us
Invoice to: FSavy@C2G.us

Project P.O:
Phone #: 631-414-7757
Fax #: 631-843-6331

Sampler's Signature _____ Date: 6/17/10

Client Sample - Information - Identification

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request: 8260 STARS	8270 STARS	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
152879	Composite	S	6/17/10	11:00	X	X						3				

Relinquished by:	Accepted by:	Date:	Time:
		6-17-10	12134
		6/17/10	18:13

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☒ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

State where samples were collected: NY

Data Format
☐ Phoenix Std Report
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other _____

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

458 LAKELAND AVENUE
SAYVILLE, NEW YORK

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

PREPARED FOR:

R Squared Real Estate Partners, LLC
85 South Service Road
Plainview, NY 11803

PREPARED BY:

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PWGC Project Number: RSL1401

DECEMBER 2014

PHASE I ENVIRONMENTAL SITE ASSESSMENT
458 LAKELAND AVENUE, SAYVILLE, NEW YORK

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1.0 EXECUTIVE SUMMARY

R Squared Real Estate Partners, LLC. retained P.W. Grosser Consulting, Inc. (PWGC) to prepare a Phase I Environmental Site Assessment (ESA) of 458 Lakeland Avenue, Sayville, NY 11782. The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions (RECs) at the subject site. RECs are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater or surface water of the property.

The site, a golf course, is located on the west side of Lakeland Avenue south of Sunrise Highway. There are several buildings located on the property which are comprised of the following:

- Island Hills Golf Club Clubhouse (Clubhouse),
- The South Maintenance Building (SMB),
- The central maintenance building (bathrooms and irrigation supply storage),
- A Pro-shop / Golf Cart Storage Building, and
- A vacant pool house.

The site measures approximately 113 acres in size.

The Phase I ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule) and PWGC's proposal for services.

Potential recognized environmental conditions identified at the subject property were evaluated to determine whether items initially suspected to be recognized environmental conditions are in fact recognized environmental conditions. Evaluation of potential recognized environmental conditions (REC) are as follows:

- Site storm-water is managed by a network of storm-water drywells located throughout the property. Additionally, there are several floor drains located in the buildings throughout the property, as well as onsite sanitary systems associated with the buildings and a maintenance pit located in the South Maintenance Building. Structures such as floor drains, onsite sanitary structures, maintenance pits, and storm-water drywells can act as a conduit for surface impacts and improper discharges to reach the subsurface. There was no evidence of a spills or release in the vicinity of these structures, with the exception of staining identified in the vicinity of one drain located north of the Clubhouse and the two drains identified near the South Maintenance Building. There is also current chemical use on the subject property (gasoline, diesel fuel, waste oils, pesticides, herbicides, etc). In 2006 several of these structures were sampled and identified to be impacted. Remediation of these structures, to the best of PWGCs knowledge, has not been completed. Additionally, the structures previously identified as not impacted in 2006 have the potential to have been impacted between the previous sampling performed and this most recent Phase I inspection. Based upon this information, these structures represent a REC.
- There is reportedly a 550-gallon UST located in the golf cart storage area of the Pro-shop. In 2006, this UST was determined to be inactive and it was planned to abandon the UST. As per PWGCs recent inspection, this tank is still present and therefore considered a REC.
- The historic / current use of the property as a golf course, with uses of herbicides and pesticides is considered a REC.

Based upon the findings of this Phase I ESA, PWGC recommends a Phase II ESA be performed at the subject property. The Phase II should consist of the following:

- The cesspools, maintenance pit and storm-water drywells that were previously identified as impacted based upon 2006 data should continue to be considered as impacted as there is no evidence that they have been remediated since 2006. Since the potential exists that structures previously identified in 2006 as not impacted have been impacted by site activities between 2006 and present, these structures should be re-assessed to determine their current

condition. The samples should be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and 8 RCRA metals in accordance with the Suffolk County Department of Health Services (SCDHS) SOP 9-95.

- The UST in the pro shop should be removed. Soils / groundwater should be properly assessed as part of the removal.
- While the historic / current use of the property as a golf course, with uses of herbicides and pesticides, is considered a REC, it should not affect the current site use. However, should the any change in use of the subject property to residential be performed, additional assessment of the soil and groundwater should be completed to determine the best use practice of the impacted media. Such an assessment should focus on SVOCs and metals in the soil and metals (total and dissolved) in the groundwater.

2.0 INTRODUCTION

2.1 Purpose

R Squared Real Estate Partners, LLC. retained P.W. Grosser Consulting, Inc. (PWGC) to prepare a Phase I Environmental Site Assessment (ESA) of 458 Lakeland Avenue, Sayville, NY 11782. The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions (RECs) at the subject site.

2.2 Scope of Services

The assessment consisted of a visual inspection of the site and surrounding areas, interviews, a review of historical information and aerial photographs, and a review of pertinent local, state, federal and facility records. Environmental Data Resources (EDR) of Shelton, Connecticut provided the following: a computerized database search of environmental compliance records of sites within an ASTM standard radius of the property, a Sanborn fire insurance map search, historical aerial photograph search and a historical telephone directory search.

PWGC reviewed the environmental database report compiled by EDR as a part of the assessment. The purpose of the review was to identify reported listings for the subject property or other properties in the site vicinity. Databases reviewed included federal and state lists of known or suspected contaminated sites, lists of known handlers or generators of hazardous waste, lists of known waste disposal facilities, and lists of aboveground and underground storage tanks (ASTs and USTs). PWGC's review of the database has been incorporated into this report along with a copy of the EDR report.

2.2.1 Definitions

1. **Recognized environmental conditions (RECs)** are the presence or likely presence of any hazardous substance or petroleum product in, on, or at a property: (1) due to any release to the environment; (2) under the conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

2. **Historic RECs (HREC)** are identified as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity or use limitations (AULs), institutional controls, or engineering controls).

3. **Controlled RECs (CREC)** are identified as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a No Further Action (NFA) letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls).

2.3 Significant Assumptions

PWGC has made the following significant assumptions in the preparation of this report:

1. Groundwater Flow Direction – The regional groundwater flow direction for this area is to the south. This information is based upon review of the most recent groundwater flow maps provided by the United States Geologic Survey (USGS).
2. Regulatory Records Information - PWGC assumes that all information provided by EDR regarding the regulatory status of facilities within the ASTM Standard approximate minimum search distance is complete, accurate and current.
3. Other - PWGC assumes that all information provided through interviews is complete and unbiased.

2.4 Limitations and Exceptions

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections, examination of records in the public domain, and interviews with individuals having information about the site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.
2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by PWGC.
4. PWGC's Phase I ESA report presents professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, or regulations, or policies of federal, state, or local government agencies. PWGC does not assume liability for financial or other losses or subsequent damage caused by or related to any use of this document.
5. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.
6. This report is based, in part, on information supplied to PWGC by third-party sources. While efforts have been made to substantiate this third-party information, PWGC cannot attest to

the completeness or accuracy of information provided by others.

2.5 Special Terms and Conditions

Authorization to perform this assessment was given by a proposal for services between R Squared Real Estate Partners, LLC., and PWGC.

2.6 User Reliance

This report was prepared for the exclusive use of R Squared Real Estate Partners, LLC. PWGC assumes no liability for use of this report by any person or entity other than those for which it was prepared.

2.7 Data Gaps

Any data gaps identified herein, as defined by ASTM Practice E 1527-13 § 3.2.21, are not considered to have significantly affected the ability to identify recognized environmental conditions in connection with the subject property and do not alter the conclusions of this report.

3.0 PROPERTY DESCRIPTION AND PHYSICAL SETTING

3.1 Location and Legal Description

The subject site is known as 458 Lakeland Avenue, Sayville, NY (SCTM#: District 500; Section 280; Block 1; Lot 15.1).

The site is located in the Town of Islip, in the County of Suffolk. **Figure 1** illustrates the site location map and **Figure 2** illustrates the site plan. Photos of the site are included in **Appendix A**.

3.2 Site Description and Improvements

The site, a golf course, is located on the west side of Lakeland Avenue south of Sunrise Highway. There are several buildings located on the property which are comprised of the following:

- Island Hills Golf Club Clubhouse (Clubhouse),
- The South Maintenance Building (SMB),
- The Central Maintenance Building (CMB) (bathrooms and irrigation supply storage),
- A Pro-shop / Golf Cart Storage Building, and
- A vacant pool house.

The site measures approximately 113 acres in size.

3.2.1 Municipal Services and Utilities

Utility services are provided to the property as follows:

- Heating/Cooling System –
  - The Clubhouse building is heated by natural gas.
  - The SMB is heated by natural gas.
  - The CMB is not heated.
  - The Pro-shop / Golf-cart storage building is heated with natural gas and fuel oil.
  - The Pool House is not heated.
- Water Supply – The property is serviced by the Suffolk County Water Authority.
- Sanitary System – The Clubhouse is serviced by three septic systems. The northern portion of the Clubhouse, which houses the men's and women's locker rooms, the small laundry room,

and the bar, is split into two sanitary systems. The southern portion of the Clubhouse, where the kitchen is located, is serviced by a separate septic system. Grease from kitchen wastes is separated out in a grease trap prior to discharge into the septic system. This system is located in the parking lot to the east, which is not considered a part of this investigation as it is not part of the subject site.

- Electric – Electric service is currently provided by PSE&G LI. There is a transformer located on the southeast side of the Clubhouse. No other transformers were identified at the site.
- Emergency Electrical Power – N/A

3.3 Physical Setting

The topography of the site and surrounding area was reviewed from the USGS 7.5-minute series topographic map for the Sayville, New York quadrangle. The property has an elevation of approximately 35 feet above the National Geodetic Vertical Datum (NGVD). In general, the property and surrounding area is generally flat. Regional physiographic conditions are summarized as follows:

3.3.1 Regional Geology / Hydrogeology

The geologic setting of Long Island is well documented and consists of crystalline bedrock composed of schist and gneiss overlain by layers of unconsolidated deposits. Immediately overlying the bedrock is the Raritan Formation, consisting of the Lloyd sand confined by the Raritan Clay Member. The Lloyd sand is an aquifer and consists of discontinuous layers of gravel, sand, sandy and silty clay, and solid clay. The Raritan Clay is identified as solid and silty clay with: few lenses of sand and gravel; abundant lignite and pyrite; and gray, red or white in color.

Above the Raritan Clay lies the Magothy Formation. The Magothy Aquifer consists of layers of fine to coarse sand of moderate to high permeability, with inter-bedded lenses of silt and clay of low permeability resulting in areas of preferential horizontal flow. Therefore, this aquifer generally becomes more confined with depth. The Magothy Aquifer is overlain by the Upper Glacial Aquifer. The Upper Glacial Aquifer is the water table aquifer at this location and is comprised of medium to coarse sand and gravel with occasional thin lenses of fine sand and brown clay. This aquifer extends from the land surface to the top of the Magothy and, therefore, is hydraulically connected to the

Magothy Aquifer.

3.3.2 Local Hydrogeology

Based upon the site elevation and review of the United States Geologic Survey (USGS) map entitled Water Table and Potentiometric-Surface Altitudes in the Upper Glacial, Magothy and Lloyd Aquifers beneath Long Island, New York, March-April 2006, the depth to groundwater is estimated to be approximately 10 feet below grade. The groundwater map shows the regional groundwater flow direction is to the south.

Information contained within the EDR report indicates there are no public water supply well fields identified within one mile of the subject site.

3.3.3 Flood Potential

PWGC reviewed the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs) to determine if the subject property is located within the 100-year or 500-year flood zones. The FIRM showing the property indicates that the property is not located within a Flood FIRM data is incorporated in the EDR Radius Map Report included as **Appendix G.**

3.3.4 Direction and Distance to Nearest Surface Water

The nearest natural surface water body is Green Creek located approximately 2,000 feet south-southeast of the property.

4.0 PROPERTY USAGE

4.1 Current Property Usage

The subject property consists of an active golf course with associated buildings / activities.

The remainder of the property consists of two landscape debris storage areas, and top-soil, sand and gravel storage. Photos of the site are included in **Appendix A** and a site plan is shown on **Figure 2**.

4.2 Current Usage of Adjoining/Surrounding Properties

The surrounding area is predominantly commercial with limited residential properties interspersed. A summary of the surrounding properties is as follows:

Table 4-2 - Surrounding Property Usage

Direction	Property Description
North	Bordered by 11th Street. Further north are residential homes.
South	Bordered by residential properties.
East	Bordered by Lakeland Avenue near the northern property bounds. Further east of these bounds are wooded lands and a residential development. Towards the southern property bounds, the site is bordered by Carrie Avenue and residential homes.
West	Bordered by Bohemia Parkway. Further west are residential properties.

4.3 Historical Usage of Subject Property and Surrounding Properties

Historical sources researched to determine past usage of the subject property and surrounding properties are as follows:

Sanborn Fire Insurance Maps - Environmental Data Resources (EDR) was retained to provide historical Sanborn fire insurance maps of the subject and adjacent properties. Historical Sanborn maps for the subject property and surrounding area were not available. A copy of the Sanborn map report indicating the site is an unmapped property is included in **Appendix B**.

Historical Topographic Maps - Historical topographic maps for the subject property and surrounding

area were reviewed for the years available between 1904 and 1976. The resolution of the topographic maps do not allow for proper interpretation of the subject property. The golf course first appears on the 1944 topographic map and first identified as the Island Hills Golf Club on the 1956 topographic map. Copies of historical topographic maps are included as **Appendix C**.

Historical Aerial Photographs - PWGC performed a review of readily available aerial photographs showing the subject property and surrounding area. Photographs were reviewed for the years available between 1938 and 2011. Review of the photos is summarized in Table 4-3. A copy of the aerial photograph search is included in **Appendix D**.

City Directory Abstract - EDR was retained to provide a directory of historical telephone listings at the subject property and surrounding properties. City directories were reviewed for the years available from 1971 through 2013. The subject property is listed in the City Directory as follows:

Company Name	**Years identified**
Island Hills Golf Club	2013
Island Hills Golf Club, Inc.	2008
Island Hills Golf Club, Inc., John Genovesi, Sayville Development Group	2003
Island Hill Country Club Catering	1999
Roma Cosina	1991, 1986, 1981

A copy of the city directory report is included as **Appendix E**.

Table 4-3 - Subject Property Historical Usage

Date(s)	Source	Issues Noted	Description
1938	AP	No	The golf course appears to be under construction and almost complete as it is in its current condition. The parking lot is wooded.
1947-1961	AP	No	Similar to the 1938 Aerial photographs. There are several buildings present / under construction on the northeast portion of the site. One of the buildings appears to be the Clubhouse. The Maintenance building appears to have been constructed in 1957 and the central maintenance building was constructed in 1961. These buildings appear to have the same footprint as the current buildings.
1966-2011	AP	No	The buildings on the northeast portion of the site are still present. The parking lot has been cleared of trees. The Clubhouse appears to have the same footprint as the current Clubhouse.
Sources: SB – Sanborn Map; TM – Historical Topographic Map; AP – Aerial Photograph; CD – City Directory			

Review of historical information for the subject property indicates that the site has been developed as a golf course since at least 1938.

Table 4-3.1 – Surrounding Area Historical Usage

Date(s)	Source	Issues Noted	Description
1938-1954	AP	No	The area is sparsely developed. The adjoining properties are wooded with few residential houses present.
1957-1961	AP	No	Residential development has begun north, west, and south of the subject property. The properties to the east are still wooded.
1966-1976	AP	No	Similar to 1957-1961 photographs. Residential development of the properties to the east has begun. The area is developed primarily as residential. Few properties remain undeveloped.
1980-1994	AP	No	With the exception of an area to the northeast of the property, the area is densely developed with residential houses.
2006-2011	AP	No	The area to the northeast of the property has been developed as a residential neighborhood.
Sources: SB – Sanborn Map; TM – Historical Topographic Map; AP – Aerial Photograph; CD – City Directory			

Review of historical information revealed that the properties surrounding the subject property have been used primarily for residential since at least 1938.

5.0 USER PROVIDED INFORMATION

5.1 User Requirements

The user of a Phase I report, as per the EPA AAI Rule and ASTM E1527-13 has certain responsibilities which include providing information requested in the Client Questionnaire, if available, to PWGC to be included within the Phase I Report. A copy of the standard Client Questionnaire is included in **Appendix F**.

5.2 Title Records

Title records for the site may contain information about past owners and uses of the subject property. The title report may also contain site information such as restrictive declarations which are limitations on site uses based upon know environmental conditions. As of the date of this report the user has not provided PWGC with a title search, or requested that PWGC perform a title search.

5.3 Environmental Liens

An environmental lien is a charge, security or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup or other remediation of hazardous substances or petroleum products upon a property, including, but not limited to, liens imposed pursuant to CERCLA 42 USC § 9607 (1) & 9607(r) and similar state and local laws. As of the date of this report the user has not provided PWGC with a lien search, or requested that PWGC perform a lien search.

5.4 Specialized Knowledge

No specialized knowledge about the property was provided to PWGC.

5.5 Commonly Known or Reasonably Ascertainable Information

There is no commonly known information about the subject property.

5.6 Valuation Reduction for Environmental Issues

To the best of PWGC's knowledge, there have been no adjustments to the subject parcels value due to environmental issues.

5.7 Owner, Property Manager and Occupant Information

The property is currently owned by R Squared Real Estate Partners, LLC. Three of the buildings located on the property are occupied. The occupied buildings are the Clubhouse, Pro-shop and the South Maintenance Building. Though not "occupied" the Central Maintenance Building contains irrigation supplies and two bathrooms that are used throughout the year. The pool house is no longer used and has been vacant for at least five years.

5.8 Reason for Performing Phase I ESA

The Phase I ESA was performed to evaluate current site conditions in order to facilitate a re-financing of the property.

6.0 RECORDS REVIEW

6.1 Standard Environmental Record Sources

Environmental Data Resources (EDR) of Shelton, Connecticut was retained to provide a computerized database search of the project area within an ASTM-standard radius of the subject site. A list of the databases searched and the search radius is shown on the summary table below. PWGC reviewed the database output to determine if the subject site appears on any of the regulatory agency lists. Detailed information concerning each database list is provided in the EDR report (**Appendix G**). A summary of standard environmental record sources researched is as follows:

In order to evaluate the potential for a site to have an adverse impact to the subject site, the migration pattern of contaminants is considered. The presumed regional groundwater flow direction is towards the south. The sites were inspected on a case by case basis based upon their location to the subject site and the groundwater divide:

- Sites located north of the subject site have the highest potential to impact the subject site and are referred to as "up-gradient."
- Sites located south of the subject site, which are not neighboring or adjacent to the subject site have the least potential to impact the subject site and are referred to as "down-gradient."
- All other sites not adjacent to or neighboring the subject property are referred to as "cross-gradient" and have minimal potential to impact the subject site.

6.1.1 Federal Databases

The table below summarizes the Federal databases that were searched.

Table 6-1 - Federal Databases Searched

Agency	Listing Name or database Searched	Abbreviation	Search Distance
USEPA	National Priority List	NPL	1.0 mile
USEPA	National Priority List Deletions	Delisted NPL	0.5 mile
USEPA	Comprehensive Environmental Response Compensation and Liability Act Registry	CERCLIS	0.5 mile

Agency	Listing Name or database Searched	Abbreviation	Search Distance
USEPA	CERCLIS No Further Remedial Action Planned	CERCLIS-NFRAP	0.5 mile
USEPA	Resource Conservation and Recovery Act Corrective Action Activity	CORRACTS	1.0 mile
USEPA	Resource Conservation and Recovery Act Treatment/Storage/Disposal Facilities	RCRA TSD	0.5 mile
USEPA	Resource Conservation and Recovery Act Small/Large Quantity Hazardous Waste Generators	RCRA SQG/LQG	Subject Property and Adjoining
USEPA	Federal Institutional/Engineering Control registries	US INST/ENG Controls	Subject Property
USEPA	Emergency Response Notification System	ERNS	Subject Property
USEPA	Superfund (CERCLA) Consent Decrees	CONSENT	1.0 mile
USEPA	Records of Decision	ROD	1.0 mile
USEPA	Mines Master Index	MINES	0.25 mile

National Priority List - The National Priority List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the federal Superfund Program.

Neither the subject site nor any sites within the search radius were identified as a NPL site.

National Priority List Deletions - National Priority List Deletions are sites that have been removed from the National Priorities List. Sites are deleted where the EPA has determined that no further response is appropriate.

Neither the subject site nor any sites within the search radius were identified as a Delisted NPL site.

CERCLIS - The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

Neither the subject site nor any sites within the search radius were identified as a CERCLIS site.

CERCLIS-NFRAP – No Further Remedial Action Planned (NFRAP) sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL).

The subject site was not identified as a CERCLIS-NFRAP site.

One CERCLIS-NFRAP site, West Sayville IFS Transmitter, located approximately ¼-mile south of the subject property was identified within the search radius. The location of this CERCLIS-NFRAP site is in the down-gradient direction. Based upon its distance and location in the down-gradient direction, it is unlikely to pose a threat to the subject property.

RCRA CORRACTS - The RCRA Corrective Actions (CORRACTS) database is the EPA's list of hazardous waste treatment, storage or disposal facilities subject to corrective action under RCRA.

Neither the subject site nor any sites within the search radius were identified as a CORRACTS site.

RCRA Treatment, Storage and Disposal - The EPA Resource Conservation and Recovery Act (RCRA) program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Treatment, Storage and Disposal (TSD) database is a compilation of reporting facilities that treat, store or dispose of hazardous waste.

Neither the subject site nor any sites within the search radius were identified as a RCRA TSD site.

RCRA Generators - The RCRA Generators database is a compilation of reporting facilities that generate hazardous waste. A Small Quantity Generator (SQG) is a site which generate more than 100

and less than 1000 kg of hazardous waste during any one calendar month and accumulates less than 6000 kg of hazardous waste at any time; or a site which generates less than 100 kg of hazardous waste during any one calendar month and accumulates less than 1000 kg of hazardous waste at any time. Large Quantity Generators (LQG) generate more that 1000 kg of hazardous waste per month. A Conditionally Exempt SQG (CESQG) generates less than 100 kg of waste a month. A RCRA non generator (RCRA Non-Gen) no longer produces hazardous waste.

The subject site was not identified as a RCRA generator site

One RCRA-CESQG site, Sun Auto Group, is identified within the search radius. This RCRA-CESQG site is not located on a neighboring property and is located less than ¼-mile west-northwest of the subject property in the cross-gradient direction. Based upon the EDR review, several violations were identified on the RCRA-CESQG site. There are no reported spills associated with this RCRA-CESQG site. Based upon the lack spills associated with this site, and its location in the cross-gradient direction, it is unlikely to pose a threat to the subject property.

Federal Institutional/Engineering Controls – Federal Institutional/Engineering Controls databases list sites with institutional/engineering controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Neither the subject site nor any sites within the search radius were identified in the Federal Institutional/Engineering Controls databases.

Emergency Response Notification System - The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil or hazardous substances.

The subject site is not identified in the ERNS database.

Superfund Consent Decrees - The Superfund Consent Decrees (CONSENT) list identifies major legal settlements that establish responsibility and standards for cleanup at NPL sites.

Neither the subject site nor any sites within the search radius were identified as a CONSENT site.

Records of Decision - Record of Decision (ROD) documents mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup.

Neither the subject site nor any sites within the search radius were identified as a ROD site.

Master Mines Index - The Master Mines Index (MINES) file contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Neither the subject site nor any sites within the search radius were identified in the MINES database.

6.1.2 New York State Databases

The table below summarizes the State databases that were searched.

Table 6-1.2 - New York State Databases Searched

Agency	Listing Name or database Searched	Abbreviation	Search Distance
NYSDEC	Inactive Hazardous Waste Disposal Sites in New York State	SHWS	1.0 mile
NYSDEC	Hazardous Substance Waste Disposal Site Study	HSWDS	0.5 mile
NYSDEC	Solid Waste Facility Register	SWF	0.5 mile

Agency	Listing Name or database Searched	Abbreviation	Search Distance
NYSDEC	Registered Recycling Facilities	SWRCY	0.5 mile
NYSDEC	Registered Waste Tire Storage Facilities	SWTIRE	0.5 mile
NYSDEC	Leaking Underground Storage Tank Sites	LTANKS	0.5 mile
NYSDEC	Petroleum Bulk Storage (PBS)	UST/AST	Subject Property and Adjoining
NYSDEC	Chemical Bulk Storage (CBS)	CBS AST/UST	Subject Property and Adjoining
NYSDEC	Institutional/Engineering Control registries	INST/ENG Controls	Subject Property
NYSDEC	Voluntary Cleanup Agreements	VCP	0.5 mile
NYSDEC	Brownfield sites	Brownfields	0.5 mile
NYSDEC	Major Oil Storage Facilities	MOSF	0.5 mile
NYSDEC	New York State Spills	NYSPILLS	0.125 mile
NYSDEC	Dry Cleaner Site	Drycleaners	0.25 mile

New York State Inactive Hazardous Waste Disposal Sites - The New York State Department of Environmental Conservation (NYSDEC) maintains a state priority list of Inactive Hazardous Waste Disposal Sites (SHWS) considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment. Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites.

Neither the subject site nor any sites within the search radius were identified as a SHWS site.

Hazardous Substance Waste Disposal Site Study - The Hazardous Substance Waste Disposal Site Study (HSWDS) list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the SHWS registry and non-registry sites that EPA Preliminary Assessment reports or Site Investigation reports were prepared.

Neither the subject site nor any sites within the search radius were identified as a HSWDS site.

Solid Waste Facility Register - The NYSDEC Solid Waste Facility Register (SWF) records contain an inventory of solid waste disposal facilities or landfills in New York State.

Neither the subject site nor any sites within the search radius were identified as a SWF site.

Registered Recycling Facilities - The Registered Recycling Facilities List (SWRCY) is a NYSDEC list of recycling facilities.

Neither the subject site nor any sites within the search radius were identified as a SWRCY site.

Registered Waste Tire Storage Facilities - The Registered Recycling Facilities List (SWTIRE) is a NYSDEC list of Registered Waste Tire Storage & Facility List.

Neither the subject site nor any sites within the search radius were identified in the SWTIRE database.

Petroleum Bulk Storage - The NYSDEC Petroleum Bulk Storage - Underground Tanks (UST) database lists facilities with a petroleum storage capacity of more than 1,100 gallons and less than 400,000 gallons. The NYSDEC Petroleum Bulk Storage - Aboveground Tanks (AST) database lists facilities with registered above ground storage tanks.

The subject site is not identified as a PBS site.

Eleven UST sites and nine AST sites were identified within the EDR Report search radius. None of these sites is located on a neighboring property. The presence of tanks alone on a property does not represent an environmental concern. Sites with spills are addressed in the appropriate section of this report.

Leaking Underground Storage Tank Sites - The Leaking Underground Storage Tank Sites (LTANKS) database contains a NYSDEC inventory of reported leaking storage tank incidents. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

The subject site was not identified as a LTANK site.

A total of eight LTANK sites, with eight NYSDEC spill files, are identified within the search radius. Two of these sites, Sunrise Garden Apartments and Cumberland Farms were identified approximately 1/8-mile in the up-gradient direction of subject site. Sunrise Garden Apartments has an associated NYSDEC spill file, 9704618, which was reported on July 17, 1997 due to soil contamination identified below a #2 fuel oil tank. Soils were removed and no further action was recommended by the NYSDEC. This spill file was closed on August 14, 1997. The remaining up-gradient LTANK site, Cumberland Farms, has an associated NYSDEC spill file, 1202591, which was reported on June 15, 2012 due to a tank test failure. Information obtained within the EDR indicates that there was potential gasoline / water in the interstitial space of a double wall gasoline UST. It is reported that the product likely entered the wall through a loose bung. The NYSDEC spill file was closed on October 19, 2012. Based upon this information, these two up-gradient LTANK sites are unlikely to impact the subject property.

Each of the remaining six NYSDEC spill files associated with the LTANK sites has been closed. Based on the closed status, it is unlikely that these LTANK sites have impacted the subject site.

New York State Spills - The New York State Spills Information Database (NYSPILLS) contains data collected on chemical and petroleum spill incidents reported to NYSDEC since April 1, 1986.

The subject site is identified as a NYSPILL site. The spill (0511071) was reported on December 21, 2005 due to a failed tightness test on a gasoline tank. It is reported that there was a faulty valve. The valve was replaced and the tank was retested and passed. The NYSDEC spill file associated with this

tank was closed on March 21, 2006. Based upon the closed status of this spill file, it should not affect the subject property.

There are seventeen additional NYSPILL sites within the search radius identified in the NYSPILLS database. Two of the spill occurred on adjacent properties. One of the adjacent NYSPILL sites is identified by NYSDEC spill #1004768 and was reported on July 27, 2010 due to a failure of a pole mounted transformer. It is reported that approximately one gallon of transformer oil leaked out of the pole mounted transformer and onto the ground. The utility company had remediated the impact and the NYSDEC spill file was closed on June 6, 2011. The other remaining adjacent NYSPILL site is related to a residential tank fuel oil leak into the basement of the residence located at 168 Terry Road on January 7, 2012. It is reported that no contamination breached the concrete slab of the residence and the NYSDEC spill file was closed on January 31, 2012. Each of the fifteen remaining spill files has been closed by the NYSDEC. Based on the closed status, it is unlikely that the NYSPILL sites have impacted the subject site.

Chemical Bulk Storage - The Chemical Bulk Storage (CBS) database is a NYSDEC list of facilities that store regulated hazardous substances in aboveground tanks (AST) with capacities of 185 gallons or greater or underground tanks (UST) of any size.

Neither the subject site nor any sites within the search radius were identified as a CBS site.

Institutional/Engineering Controls – NYSDEC list of Environmental Remediation sites with Institutional or Engineering Controls (IC/EC) in place.

Neither the subject site nor any sites within the search radius were identified in the IC/EC databases.

Voluntary Cleanup Agreements - The NYSDEC Voluntary Cleanup Program (VCP) database identifies brownfield sites undergoing private sector cleanup as part of redevelopment.

Neither the subject site nor any sites within the search radius were identified in the VCP database.

Brownfields - A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant. Brownfields sites are now covered under the New York Environmental Restoration Program (NYERP)

Neither the subject site nor any sites within the search radius were identified as a Brownfields site.

Major Oil Storage Facilities - The NYSDEC Major Oil Storage Facilities (MOSF) database lists facilities or vessels with a petroleum storage capacity of more than 400,000 gallons.

Neither the subject site nor any sites within the search radius were identified as a MOSF sites.

Drycleaners – The NYSDEC maintains registry of Registered Drycleaner sites that were available to EDR researchers.

Neither the subject site nor any sites within the search radius were identified as a Drycleaner site.

6.1.3 EDR Databases

The table below summarizes the EDR databases that were searched.

Table 6-1.3 - Additional Databases Searched

Agency	Listing Name or database Searched	Abbreviation	Search Distance
EDR	Manufactured Gas Plants	MGP	1.0 mile
EDR	Historical Auto Stations	HAC	1.0 mile
EDR	Historical Drycleaners	HDC	1.0 mile

Manufactured Gas Plants - The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas plants (MGP) were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar, sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Neither the subject site nor any sites within the search radius were identified as a MGP site.

Historical Auto Stations - EDR has searched selected national collections of business directories and has collected listings of potential Historical Auto Stations (HAC) sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. This list is provided as a guide only.

The subject property was not identified as an HAC site. Four HAC sites were identified within ¼-mile of the subject property. Neither of the HAC sites is located on neighboring properties. Each of the HAC sites are located in the hydraulically down-gradient or cross-gradient direction and should not pose a threat to the subject property.

Historical Drycleaners - EDR has searched selected national collections of business directories and has collected listings of potential Historical Drycleaner (HDC) sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments.

The subject property was not identified as an HDC site. One HDC site was identified within ¼-mile of

the subject property. This HDC site is located in the down-gradient direction and should not pose a threat to the subject property.

6.1.4 Orphan Sites

Orphan sites are properties, that due to an inadequate or incomplete address in government databases or in base map files, are not able to be geographically located (i.e. mapped or geocoded). This can occur for several reasons; no street number or street name in address given; the street address is given only as a P.O. Box; or when inconsistencies exist in the address (street number does not exist in the city / zip code given).

Thirty-three orphan sites were identified in the EDR report. PWGC performed a cursory review of the addresses listed. Neither the subject site, nor any adjoining parcels appear to be identified in the orphan listings.

6.1.5 Freedom of Information Act Requests

Freedom of Information Act (FOIA) requests were sent to the United States Environmental Protection Agency, Region II (USEPA), the New York State Department of Environmental Conservation, Region 1 (NYSDEC), the Town of Islip and the Suffolk County Department of Health Services (SCDHS). As of the date of this report, responses to FOIA requests have not been received. As they were not provided within the allotted due diligence period, the records were deemed not to be "reasonably ascertainable" at this time. Should records become available at a later date, pertinent information will be forwarded as an addendum upon receipt. Copies of FOIA requests and files received are included in **Appendix I**.

7.0 SITE RECONNAISSANCE

7.1 Methodology and Limiting Conditions

Mr. Rocky Wenskus of PWGC performed the site inspection on Wednesday, November 12, 2014. Weather conditions during the inspection were foggy with a temperature of approximately 70° Fahrenheit.

The site inspection consisted of an inspection of the interior and exterior portions of the buildings as well as the greens on the golf-course. The Golf Course Superintendant, Mr. Steven King and Maintenance technician, Mr. Frank Badalucco, were onsite to provide access to the site and provide general information with regards to the operations.

7.2 Aboveground Storage Tanks (AST)

- South Maintenance Building:
  - Two ASTs were identified associated with this building; one 1,000-gallon gasoline AST and one 300-gallon diesel AST. These tanks were identified in self contained secondary spill containment.
- Pro-Shop / Golf-cart storage Building:
  - One 550-gallon fuel oil AST was identified near the northeast corner of the building. This AST was identified in direct contact with soil. There was no identified spills or releases in the vicinity of this tank.

7.3 Underground Storage Tanks (UST)

PWGC identified a vent pipe in the Golf Cart storage area in the Pro-shop. This pipe is consistent with the vent pipe identified during the previous Phase I and site assessment.

7.4 Hazardous and Non-Hazardous Chemical Storage

- *Club House* – PWGC observed some typical household cleaning products in various storage areas throughout the building. PWGC also observed several containers of acid based degreasers in the kitchen. There were 5-gallon cans of paints in the basement beneath the men's locker room.

- *South Maintenance Building* – Most of the chemical storage for the golf course was in this area. In the south maintenance building, PWGC observed storage of petroleum products including drums of motor oil, and lubrication oil, and 5-gallon pails of waste oil. According to Steven King, the waste oil is taken to a disposal facility, but he was unable to provide the name of the facility at the time of the inspection. PWGC also observed a parts washer within the garage. The parts washer was maintained by Safety-Kleen. Waste manifests were not provided to PWGC. PWGC also observed smaller quantities of other chemicals such as paint and paint thinner in the building. A 200 gallon disposable poly tank of liquid fertilizer was also present in the maintenance building.
- *South Maintenance Chemical Storage Trailer* - The course maintenance chemicals are stored in a dedicated locked storage trailer located to the north of the South Maintenance Building. The trailer is staged on soil and is located at the edge of a concrete slab. Additionally, the storage trailer has a concrete floor with no evidence of cracks or other penetrations.

Chemical stored in storage trailer	Amount present in storage trailer
Dacon Ultrex turf care fungicide	Two 20-pound boxes
Mallet 75 WSP insecticide	Five boxes
Endorse powder fungicide	Four 11-pound bags
Manzate pro-stick fungicide	Two 48-pound boxes
Dylox 6.2 insecticide	Two 30-pound boxes
Provaunt insecticide	One 120-ounce bottle
Criterion insecticide	28 30-pound bags
Gypsum	Seven 50-pound bags
Imidacloprid insecticide	Four 30-pound bags
Solocal Calcitic Lime	Nine 50-pound bags
Various fertilizers	30 50-pound bags
Jacklin seed	Three 5-gallon pails
Chlorothalonil DF fungicide	One 5-pound box
Germinex Talc TG (soap)	Two 2-pound pails
Lescosol Spray Tank cleaner	One 24-pound box

- *Pool House* – PWGC observed empty five-gallon pails of pool chlorine in the pump room of the building. There was no evidence of spills from the containers.

Additional products may be used at the site on a seasonal basis and were not present at the time of the inspection. PWGC was not given access to the site Material Safety Data Sheets (MSDS) book for the site which should contain MSDS forms for all the products used at the site.

7.5 Waste Generation, Storage, and Disposal

PWGC identified several dumpsters located throughout the property. The dumpsters ranged in size from 10-yard to 30-yard containers. These containers are utilized for general trash and waste generated from daily maintenance activities at the property. Trash contained in the dumpsters and they are periodically removed / collected by private waste haulers.

7.6 Polychlorinated Biphenyls (PCBs)

PWGC observed a large transformer south of the clubhouse building. Typically, such transformers are owned by the local power company (PSE&G LI). Minor staining was observed on the transformer's pad. PWGC did not find evidence of staining on the surrounding soils adjacent the transformer.

7.7 Additional Site Conditions

The following table is a summary of visual and/or physical observations made by PWGC at the subject property on the day of the inspection. Photographs of pertinent observations are included in **Appendix A**.

Table 7-7 - Additional Site Conditions

Condition	Identified
Interior drains, trenches or sumps.	Yes[1]
Interior stains or corrosion	No
Unusual odors	No
Interior pools of liquid	No
Stained Soils or Pavement	Yes[2]
Stressed Vegetation	No
Indications of solid waste disposal	No
Exterior ponds, pits, or lagoons	No
Wastewater or storm water discharge / disposal	Yes[3]
Oil water separators / clarifiers	No
Septic Systems / Cesspools	Yes[4]

Wells (Drinking water, monitoring wells, agricultural / irrigation wells, or process water wells)	No
Petroleum or natural gas pipelines or easements	No
Other	Yes[5]

1 – PWGC identified floor drains in the bathrooms and kitchen in the Clubhouse. These floor drains were piped to the onsite sanitary systems associated with the building. No other floor drains were identified in the remaining buildings on the property.

2 – PWGC identified *de minimus* staining on the floor in the south maintenance building as well as in the golf cart storage portion of the pro-shop building. There was also *de minimus* staining identified on the concrete pad associated with the transformer south of the clubhouse. No other staining was identified

3 – The storm-water on the property is managed by a network of storm-water drywells. There were drywells located in the vicinity of the South maintenance building, clubhouse, and Pro-Shop. There was minor staining in the vicinity of the drywells associated with the south maintenance building and on the north side of the clubhouse. There were no signs of staining evident in the vicinity of the remaining storm-water structures.

4 - The sanitary waste associated with the buildings is managed by individual sanitary systems. The sanitary system associated with South Maintenance Building is located below grade south of the building. The sanitary system associated with the central maintenance building is located to the northeast of the building, the sanitary system associated with the Pro-shop is located south of the building, and there are three sanitary systems associated with the Clubhouse; the kitchen system is located to the east, the men's locker room system is located to the north and the ladies locker room system is located to the west. PWGC identified a grease trap in the kitchen of the clubhouse building. The grease trap was located near the sinks in the kitchen. Grease that is collected in the trap is transferred to a holding bin on the south side of the clubhouse.

5 – PWGC identified several areas of stockpiled soils and debris. The soil stockpile, which includes top soil, sand and recycled concrete aggregate (RCA), is located along the northern property line near the tee box for hole 10. There were no signs of staining or improper dumping in the location of these stockpiles. Debris and organic brush piles were identified on the western and eastern property lines. These debris piles were mainly organic matter (leaves, tree branches, wood, etc.). There was no evidence of improper dumping in these organic stockpiles.

7.8 Neighboring Properties

PWGC performed a cursory inspection of the neighboring properties from the subject site and public right of ways. This inspection did not result in the identification of environmental concerns to the subject property.

8.0 INTERVIEWS

8.1 Owner

The property representative, Mr. Steven King, was present during the site inspection. The owner questionnaire was provided to Ms. Joy Hoffman for completion. As of the date of this report, PWGC has not yet received a completed copy of the questionnaire. PWGC contacted Ms. Hoffman on November 20, 2014 to determine the status of the questionnaire with no response. A copy of the standard Owner Questionnaire is included as **Appendix F**.

8.2 Occupant

The property representative, Mr. Steven King, was present during the site inspection. The owner questionnaire was provided to Ms. Joy Hoffman for completion. As of the date of this report, PWGC has not yet received a completed copy of the questionnaire. PWGC contacted Ms. Hoffman on November 20, 2014 to determine the status of the questionnaire with no response. A copy of the standard Key Site Manager Questionnaire is included as **Appendix F**.

8.3 Historic Environmental Report Review

PWGC conducted a June 2006 Phase I ESA for R Squared LLC on the Island Hills Golf Course. A review of this Phase I indicated that there were similar RECs for the property that were identified during this 2014 Phase I ESA. These RECs included the following:

- Onsite sanitary systems associated with the Club-house Building, Pro-shop building, central maintenance building, south maintenance building, and pool house,
- Storm water drywells located in the vicinity of the buildings and parking lots,
- Waste drums located in various locations throughout the golf course. None of these previously identified drums were identified, with the exception of waste storage drums located at the South Maintenance Building,
- The presence of Aboveground storage tanks throughout the property,
- Chemical storage near the south maintenance building,
- A gasoline UST near the south maintenance building, a suspect UST near the pro-shop building. The former gasoline tank associated with the South Maintenance Building was removed prior to the installation of the current 1,000-gallon AST. The suspect UST in the pro-

shop golf cart storage area was not noted due to the presence of golf carts throughout the building.

- The potential use of pesticides and herbicides throughout the greens and grounds of the golf course. In 2006, the following list of chemicals were noted:

Product	Use
Primo Maxx	Plant Growth Regulator
Banner Maxx	Fungicide
Micro $CaSO_4$	Gypsum Fertilizer
Embark	Plant Growth Regulator
Merit 75 WSP	Insecticide
Bayleton 50 WSP	Fungicide
Compass	Fungicide
Azoxystrobin	Fungicide
Daconil Ultrex	Fungicide
26 GT	Fungicide
Barricade .29	Fertilizer / Pre-emergent weed presenter
Touché EG	Fungicide

Though the chemical uses appears similar to those observed in 2014, the compound lists seems vastly different.

PWGC conducted a July 2006 Phase II which documents additional investigations performed on the property. These investigations were related to the RECs identified during the June 2006 Phase I ESA. The Phase II findings were as follows:

> Surface soil sample results exceeded regulatory criteria at 29 of the 30 locations around the site for semi volatile organic compounds (SVOCs), metals, and/or pesticides; in some cases the exceedances were as much as 100 times the regulatory level. Based upon these exceedances it was recommended that regulatory officials be engaged to determine the extent of remedial action that may be required. Since significant contamination of SVOCs, metals and pesticides is widespread and higher concentrations may be present, we recommend the installation of groundwater monitoring wells and sampling to determine whether groundwater quality has been impacted. In addition, at a minimum, preparation and implementation of a Site-Specific Soil Management Plan (SMP) is recommended for the Island Hills Golf Course to protect workers, guests and prevent the spread of contamination. The SMP should be accompanied by a Site Specific Health and Safety Plan to communicate hazards, protect workers and outline annual training requirements.
>
> Concentrations of contaminants exceeded regulatory levels and warrant

remediation at five of ten locations relative to structures that fall under the US Environmental Protection Agency's (EPA) Underground Injection Control (UIC) Program; locally UICs are under the jurisdiction of the Suffolk County Department of Health Services (SCDHS). These results were identified at five locations; two associated with the Club House and three relative to the South Maintenance Building: sanitary leaching structure, maintenance pit and storm drain. Based upon these results, remediation by removal of sediments is warranted and should be performed in accordance with SCDHS protocol.

Proper closure of below grade structures and compliance with waste drum storage and storage tank regulations is necessary. Based upon site conditions it is likely that there is a former sanitary structure associated with the Pro-Shop and it is recommended that this structure be located, sampled and properly closed in accordance with SCDHS protocol. In addition, it is recommended that the waste drums in the landscape debris area and their contents be properly characterized and disposed and a SCDHS compliant staging area be established. There are three issues associated with petroleum storage relative to the support buildings that require action. On-site petroleum storage tanks are not in compliance and require registrations as well as upgrades. Also there is an inactive underground storage tank located inside the Pro-Shop, beneath the concrete floor in the golf cart storage area that should be registered and properly abandoned. In addition, relative to the Pro-Shop there is a fuel oil above ground storage tank that does not comply with SCDHS requirements and it is recommended the tank be upgraded.

The sanitary system associated with the Central Maintenance Building was not been sampled due to a broken cover. Four sanitary structures associated with the Club House were not sampled due to site access limitations. It is recommended that these structures be sampled once access is granted. The Central Maintenance Building may have been a storage location for chemicals and pesticides, indicating a moderate potential for contamination. In addition, the Club House septic tank sample reported concentrations in excess of SCDHS criteria and it is expected that this structure was periodically maintained, reducing contaminant levels. Conversely, the four associated leaching pools do not have covers to grade and would not have been maintained and therefore has a higher potential to have accumulated contaminants that would likely require remediation.

Based upon the above findings, PWGC had recommendations, for remediation of the UIC structures and removal of the pro-shop UST. In addition, PWGC had recommended additional investigation of soil and groundwater to assess the extent of the issue.

Copies of these reports are included in **Appendix F**.

8.4 Local Government Officials

Freedom of Information Act (FOIA) requests were sent to the United States Environmental Protection Agency, Region II (USEPA), the New York State Department of Environmental Conservation, Region 1 (NYSDEC), the Town of Islip and the Suffolk County Department of Health Services (SCDHS). FOIA requests and responses are addressed in Section 6.1.5. Copies of the FOIA requests are included in **Appendix H.** Based upon the site history, interviews with government officials to obtain additional information are not warranted at this time.

9.0 CONDITIONS OUTSIDE THE SCOPE OF ASTM 1527-13

9.1 Wetland Delineation

A review of the EDR database search, which includes State and Federal wetlands, indicates that there are wetlands located within a one mile radius of the subject property. The nearest wetland is located less than ¼-mile southeast of the subject site and is associated with Green Creek. Based upon this information, the subject property is not located within a wetland or a wetland buffer zone.

9.2 Radon Risk Evaluation

Radon is a colorless, radioactive; inert gas formed by the decay of radium and may be present in soils and rocks containing granite, shale, phosphate and pitchblende. The EDR report provides information from the United States Environmental Protection Agency (USEPA) which indicates that the average radon level in Suffolk County is less than 2 Pico curies per liter (pCi/L). The USEPA radon action level is 4 pCi/L in the living area.

9.3 Asbestos

PWGC did not observe evidence of potential asbestos containing material during site reconnaissance. Based upon the age of the structures, asbestos containing materials may likely be present (roof material, window caulking, etc).

9.4 Lead-Based Paint (LBP)

PWGC did not observe evidence of peeling or deteriorating paint. Due to the age of the structures, it is likely that lead-based paint may be present within the structure.

9.5 Mold

At the time of the inspection, PWGC did not observe evidence of mold growth at the subject site. However, several stained ceiling tiles were identified in the Clubhouse and the Pro-Shop.

10.0 FINDINGS AND OPINIONS

Based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, the following potential recognized environmental conditions have been identified for the subject site:

- There is a closed spill on the property.
- There are chemicals stored in the vicinity and within the South Maintenance Building.
- There are tanks located on the property.
- There are onsite sanitary systems associated with each building on the property.
- There are storm-water drywells located in the parking area of the property.
- There is a maintenance pit in the south maintenance building.
- There are floor-drains located in the buildings.
- There are debris piles located in the greens area of the golf course.
- There is metal contamination in the surface soils throughout the property.

Potential recognized environmental conditions identified at the subject property were evaluated to determine whether items initially suspected to be recognized environmental conditions are in fact recognized environmental conditions. Evaluation of potential recognized environmental conditions (REC) are as follows:

- There is a closed spill on the property. This spill is related to a faulty valve connected to the former 1,000-gallon gasoline underground storage tank. This tank was identified during a previous Phase I performed in 2006 and was subsequently removed prior to performing this recent inspection. Based upon this information, the spill associated with this tank is not considered an environmental concern at this time, therefore, the closed spill is considered an HREC.
- Chemicals stored within and in the vicinity of the South Maintenance Building include waste oils, virgin lubricating oils, gasoline, diesel fuel, pesticides and herbicides. *De minimus* staining was identified in the vicinity and within the building. There were no signs of leaks in the vicinity of the two tanks or the chemical storage trailer near the South Maintenance Building. Based upon this information the stored chemicals are not considered a REC.

- There is a 1,000-gallon gasoline AST, a 300-gallon diesel AST, and a 550-gallon fuel oil AST located on the subject property. There were no signs of a recent release from these tanks, and they appeared to be in good to fair condition with no evidence of rust or pitting. Based upon this information, these tanks are not considered a REC at this time.
- There is reportedly a 550-gallon UST located in the golf cart storage area of the Pro-shop. In 2006, this UST was determined to be inactive and it was planned to abandon the UST. As per PWGCs recent inspection, this tank is still present and remains a REC.
- Site storm-water is managed by a network of storm-water drywells located throughout the property. Additionally, there are several floor drains located in the buildings throughout the property, as well as onsite sanitary systems associated with the buildings and a maintenance pit located in the South Maintenance Building. Structures such as floor drains, onsite sanitary structures, maintenance pits, and storm-water drywells can act as a conduit for surface impacts and improper discharges to reach the subsurface. There was no evidence of a spills or release in the vicinity of these structures, with the exception of staining identified in the vicinity of one drain located north of the Clubhouse and the two drains identified near the South Maintenance Building. There is also current chemical use on the subject property (gasoline, diesel fuel, waste oils, pesticides, herbicides, etc). In 2006 several of these structures were sampled and identified to be impacted. Remediation of these structures, to the best of PWGCs knowledge, has not been completed. Additionally, the structures previously identified as not impacted in 2006 have the potential to have been impacted between the previous sampling performed and this most recent Phase I inspection. Based upon this information, these structures represent a REC.
- There are debris piles and soil stockpiles located on the property. The debris piles are mainly organic debris (grass clippings, leaves, trees, and branches) collected during maintenance of the grounds / greens. The organic debris is stockpiled and used as mulch during site maintenance activities. There is also a stockpile of top-soil, sand and RCA located on the north end of the golf course. These materials are used to maintain the flower beds, landscaping, sand traps, etc. during routine maintenance of the property. There were no signs of staining, releases, stressed vegetation, or impacts in or near the debris / stockpiles. Based

upon this information, these stockpiles do not represent a REC at this time.

- The site has a long history of being an active golf course. As a result of such uses, and based upon historic sampling performed on the property, surface soils are impacted with metals. Should the site continue to operate as a golf course, the metals should pose little concern as long as groundwater is not being impacted (see below). Should the site be redeveloped for residential purposes, the metals would require further assessment to assess how such conditions should be managed. Such redevelopment will likely require the preparation of a Soil Management Plan to address the conditions present. This condition will pose a REC should the property be redeveloped.
- Groundwater samples were collected from six locations on the property in 2006. Analysis revealed elevated levels of nine total metals. Since suspended soil particles in groundwater samples can artificially raise the levels of metals in a groundwater sample, dissolved concentrations of metals should be obtained to assess if the historic use of metals based herbicides/ fungicides has impacted groundwater quality. As this result, this concern currently represents a REC.

PWGC identified the following conditions outside of ASTM 1527-13 in connection with the subject property:

- PWGC did not observe evidence of potential asbestos containing material during site reconnaissance. Based upon the age of the structures, asbestos containing materials may likely be present (roof material, window caulking, etc).
- PWGC did not observe evidence of peeling or deteriorating paint. Due to the age of the structures, it is likely that lead-based paint may be present within the structure.

11.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 458 Lakeland Avenue, Sayville, NY, the property. Any exceptions to, or deletions from, this practice are described in Section 11.1 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

- Site storm-water is managed by a network of storm-water drywells located throughout the property. Additionally, there are several floor drains located in the buildings throughout the property, as well as onsite sanitary systems associated with the buildings and a maintenance pit located in the South Maintenance Building. Structures such as floor drains, onsite sanitary structures, maintenance pits, and storm-water drywells can act as a conduit for surface impacts and improper discharges to reach the subsurface. There was no evidence of a spills or release in the vicinity of these structures, with the exception of staining identified in the vicinity of one drain located north of the Clubhouse and the two drains identified near the South Maintenance Building. There is also current chemical use on the subject property (gasoline, diesel fuel, waste oils, pesticides, herbicides, etc). In 2006 several of these structures were sampled and identified to be impacted. Remediation of these structures, to the best of PWGCs knowledge, has not been completed. Additionally, the structures previously identified as not impacted in 2006 have the potential to have been impacted between the previous sampling performed and this most recent Phase I inspection. Based upon this information, these structures represent a REC.
- There is reportedly a 550-gallon UST located in the golf cart storage area of the Pro-shop. In 2006, this UST was determined to be inactive and it was planned to abandon the UST. As per PWGCs recent inspection, this tank is still present and therefore considered a REC.
- The historic / current use of the property as a golf course, with uses of herbicides and pesticides is considered a REC.

Based upon the findings of this Phase I ESA, PWGC recommends a Phase II ESA be performed at the subject property. The Phase II should consist of the following:

- The cesspools, maintenance pit and storm-water drywells that were previously identified as impacted based upon 2006 data should continue to be considered as impacted as there is no evidence that they have been remediated since 2006. Since the potential exists that structures previously identified in 2006 as not impacted, have been impacted by site activities between 2006 and present, these structures should be re-assessed to determine their current condition. The samples should be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and 8 RCRA metals in accordance with the Suffolk County Department of Health Services (SCDHS) SOP 9-95.
- The UST in the pro shop should be removed. Soils / groundwater should be properly assessed as part of the removal.
- While the historic / current use of the property as a golf course, with uses of herbicides and pesticides, is considered a REC, it should not affect the current site use. However, should the any change in use of the subject property to residential be performed, additional assessment of the soil and groundwater should be completed to determine the best use practice of the impacted media. Such an assessment should focus on SVOCs and metals in the soil and metals (total and dissolved) in the groundwater.

11.1 Deviations

This Phase I ESA was conducted in accordance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process) and 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule). Excluding additional services outlined in Section 9.0, there were no deviations or deletions from this practice.

12.0 REFERENCES

Standard practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Standard E 1527-13

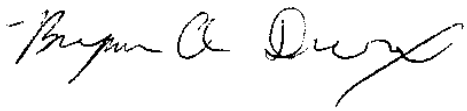
All Appropriate Inquiry, Final Rule, 40 CFR Part 12.

13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

Rocky Wenskus

Senior Hydrogeologist

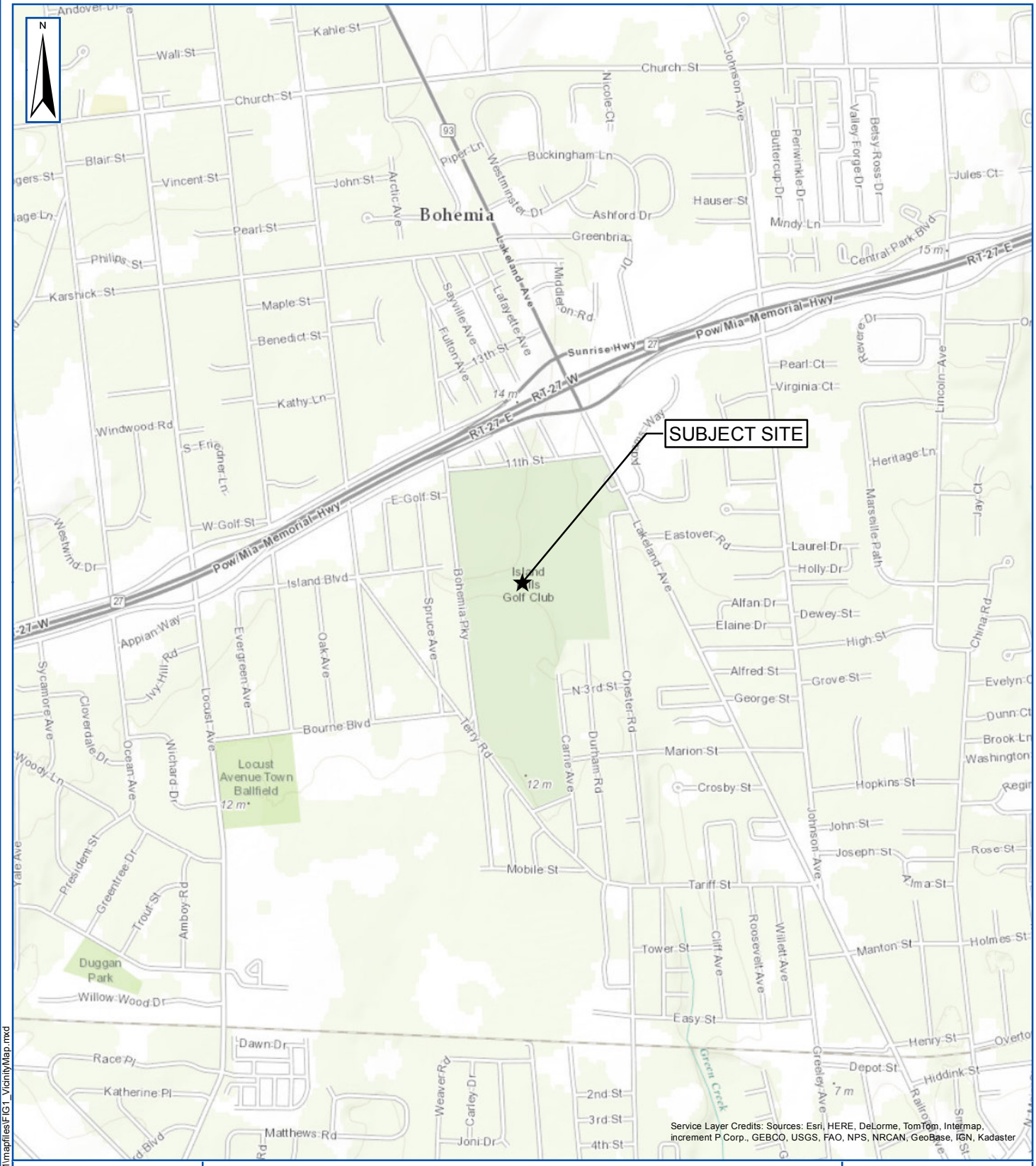


Bryan Devaux

Vice President

Report Completion Date: December 22, 2014

FIGURES



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PWGC
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P.W. GROSSER CONSULTING, INC.
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E-mail: INFO@PWGROSSER.COM

SUBJECT SITE VICINITY

458 LAKELAND AVE
SAYVILLE, NY

0 ¼ ½ ¾ 1 Miles

Project:	RSL1401
Date:	09/19/2014
Designed by:	RWW
Drawn by:	JCG
Approved by:	RWW
Figure No:	1

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DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	RSL1401	Designed by:	RWW
Date:	09/19/2014	Drawn by:	JCG
Scale:	AS SHOWN	Approved by:	RWW

SITE PLAN

458 LAKELAND AVE
SAYVILLE, NY

FIGURE NO:
2

SHEET:

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APPENDIX A
SITE PHOTOGRAPHS

Photo 1 – View of general course area.

Photo 2 – View of South Maintenance Building.

Photo 3 – Aboveground Diesel tank at south maintenance building.

Photo 4 – Maintenance pit in south maintenance building.

Photo 5 – View of new 1,000-gallon gasoline AST near the chemical storage trailer at the south maintenance building.

Photo 6 – View of organic debris pile located in the west / central portion of the golf course.

Photo 7 – View of debris pile near the east portion of the golf course.

Photo 8 – View of tank at the Pro-shop.

Photo 9 – View of grease trap in the kitchen of the Clubhouse.

Photo 10 – View of storm-drain with staining on the north side of the clubhouse.

Photo 11 – View of staining near a storm-drain located at the south maintenance building.

Photo 12 – View of sand and RCA stockpile near the northern property line.

Photo 13 – View of potential mold growth identified in the Pro-shop.

Photo 14 – View of small equipment and petroleum storage at South Maintenance Building.

APPENDIX B
SANBORN MAPS

RSL1401
458 Lakeland Avenue
Sayville, NY 11782

Inquiry Number: 4019942.23
July 28, 2014

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

7/28/14

Site Name:
RSL1401
458 Lakeland Avenue
Sayville, NY 11782

Client Name:
P.W. Grosser Consulting
630 Johnson Ave
Bohemia, NY 11550

EDR Inquiry # 4019942.23

Contact: Rocky Wenskus

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by P.W. Grosser Consulting were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: RSL1401
Address: 458 Lakeland Avenue
City, State, Zip: Sayville, NY 11782
Cross Street:
P.O. # RSL1401
Project: RSL1401
Certification # 3028-41FA-BC21

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results
Certification # 3028-41FA-BC21

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX C
TOPOGRAPHIC MAPS

RSL1401
458 Lakeland Avenue
Sayville, NY 11782

Inquiry Number: 4019942.24
July 29, 2014

EDR Historical Topographic Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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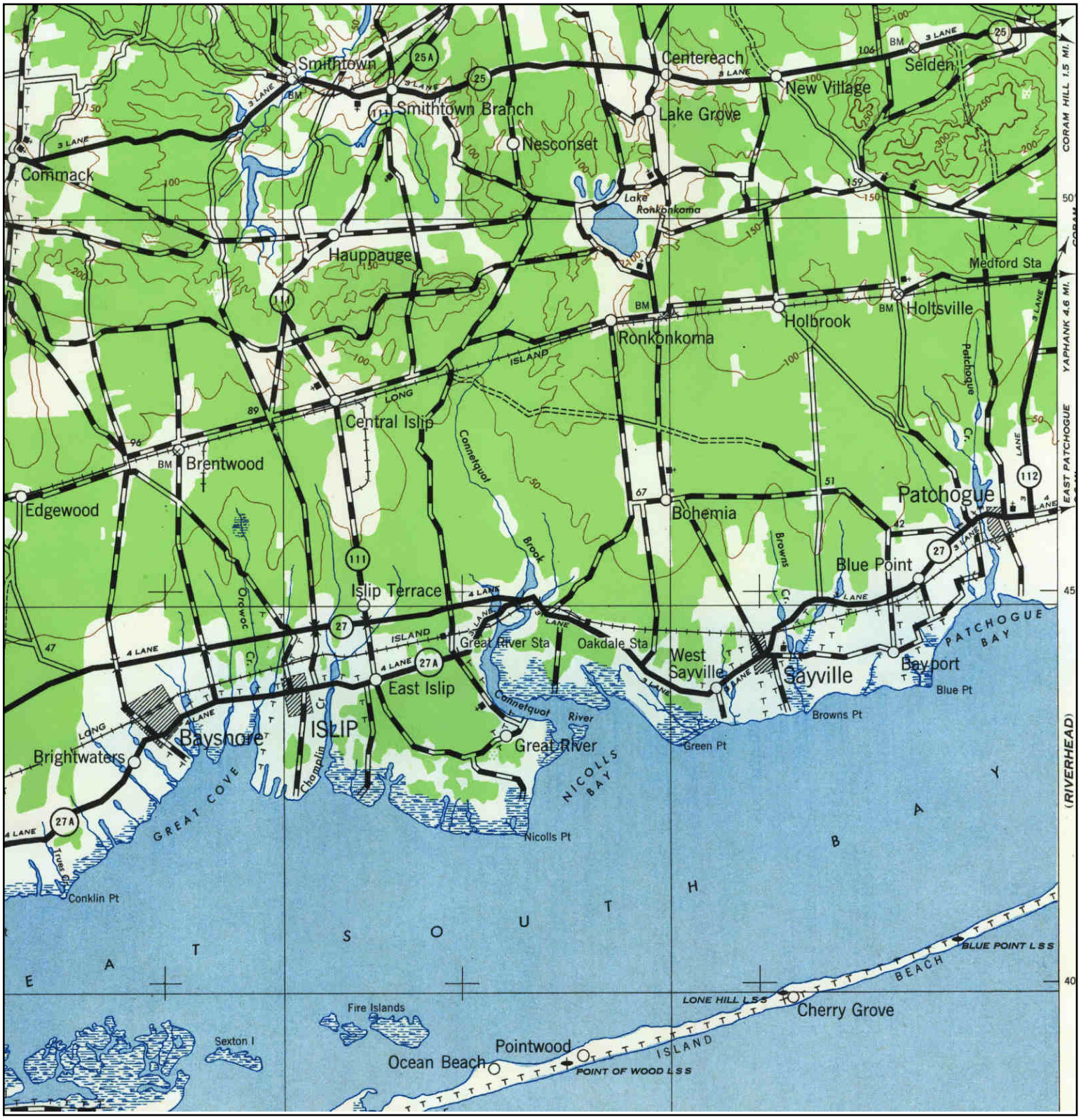
Historical Topographic Map

N	TARGET QUAD NAME: ISLIP MAP YEAR: 1904 SERIES: 30 SCALE: 1:125000	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

Historical Topographic Map

N	TARGET QUAD NAME: SETAUKET MAP YEAR: 1904 SERIES: 15 SCALE: 1:62500	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

Historical Topographic Map



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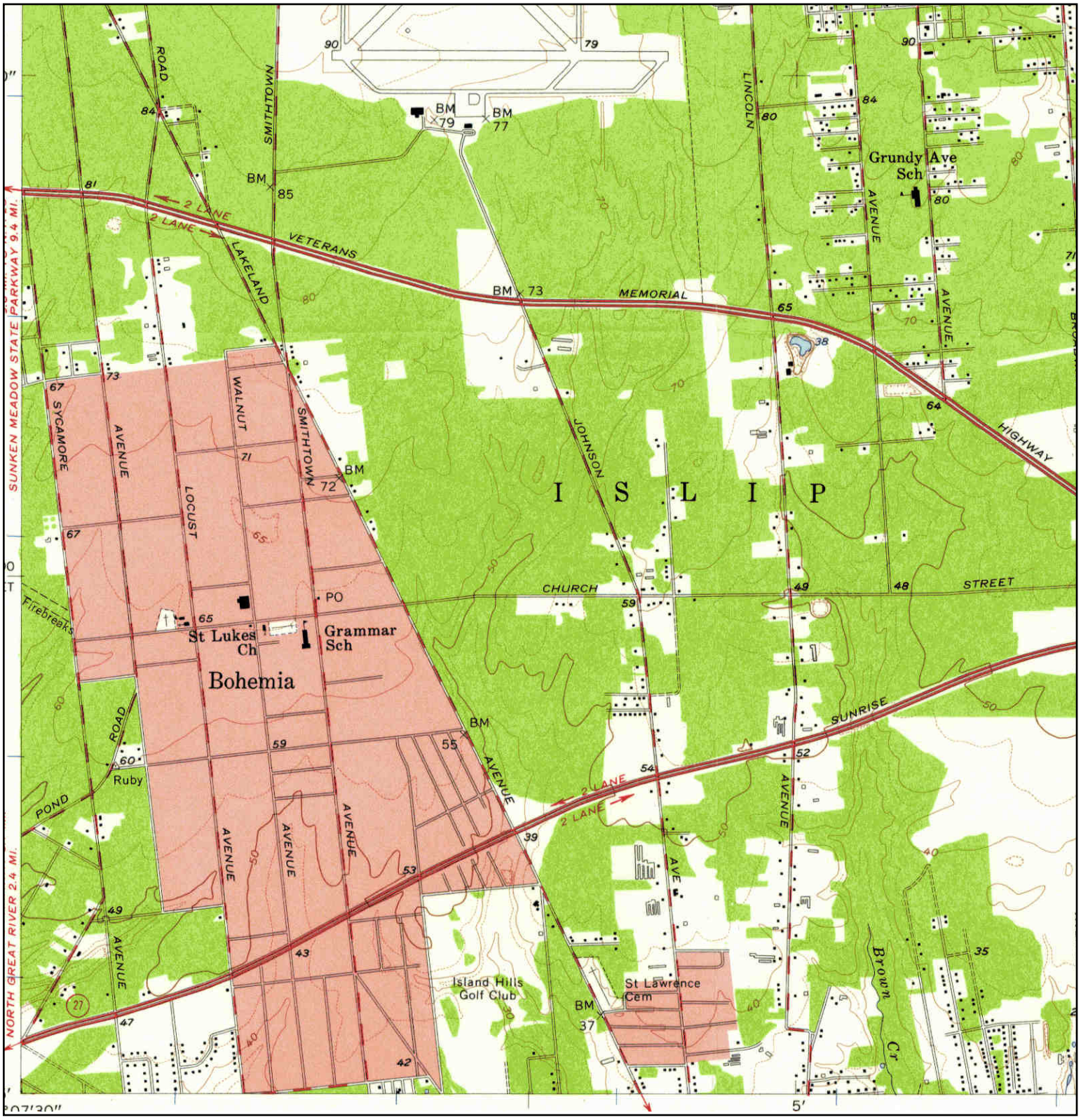
Historical Topographic Map

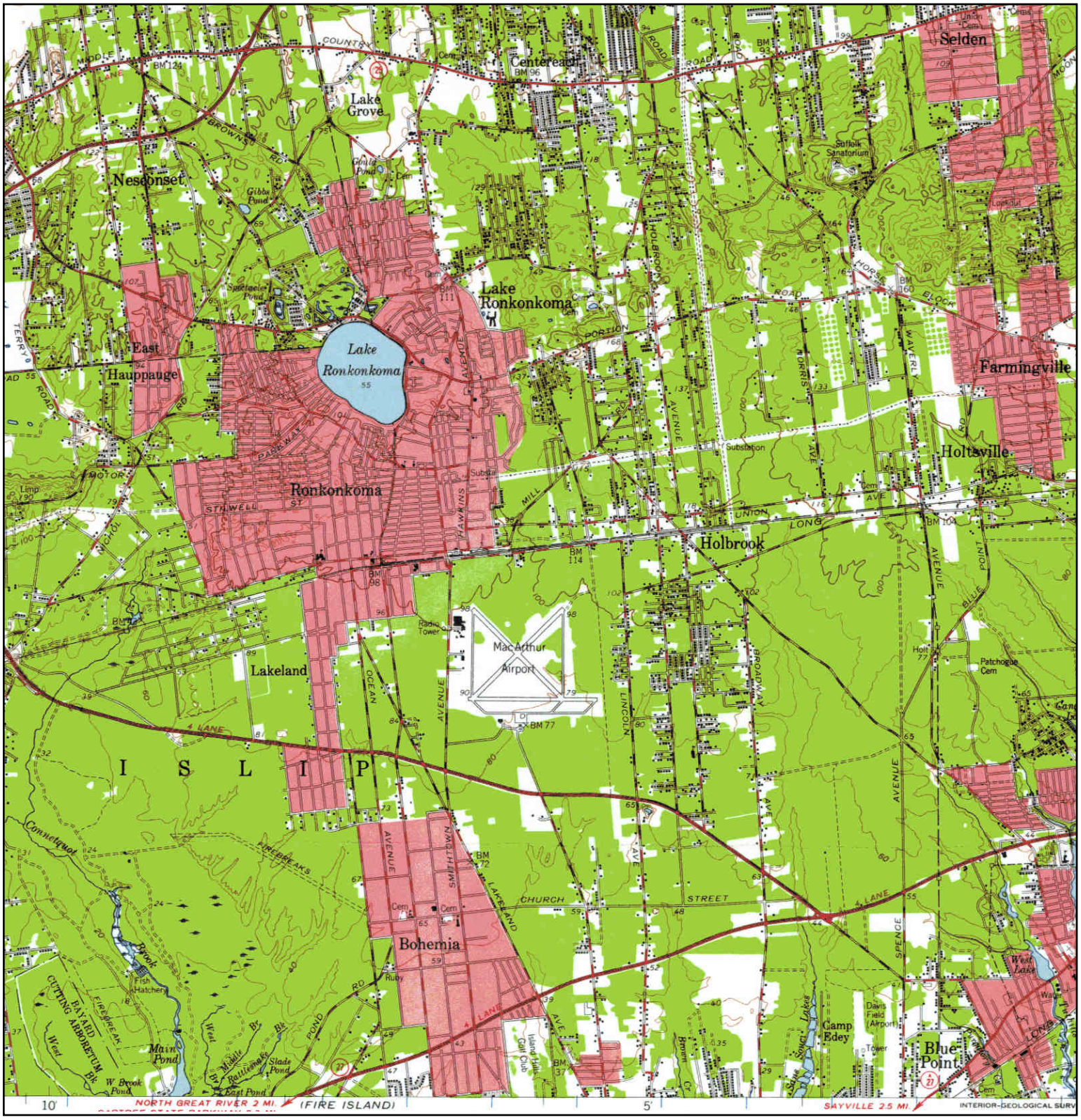
N	TARGET QUAD NAME: PATCHOGUE MAP YEAR: 1944 SERIES: 7.5 SCALE: 1:25000	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

Historical Topographic Map



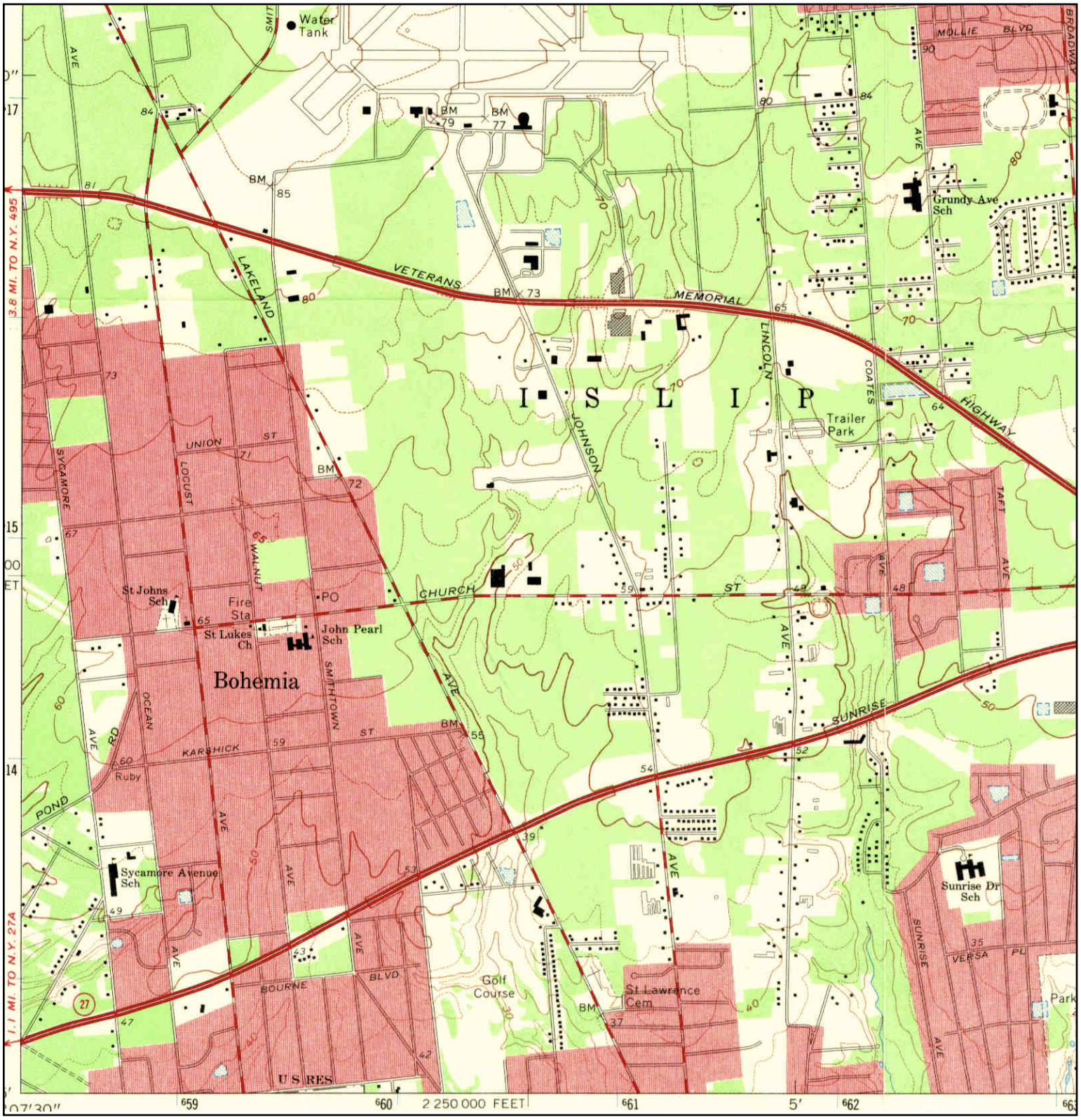
N	TARGET QUAD NAME: PATCHOGUE MAP YEAR: 1956 SERIES: 7.5 SCALE: 1:24000	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

Historical Topographic Map



N	TARGET QUAD NAME: SETAUKET MAP YEAR: 1956 SERIES: 15 SCALE: 1:62500	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

Historical Topographic Map



N	TARGET QUAD NAME: PATCHOGUE MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

Historical Topographic Map

N	ADJOINING QUAD NAME: FIRE ISLAND MAP YEAR: 1903 SERIES: 15 SCALE: 1:62500	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

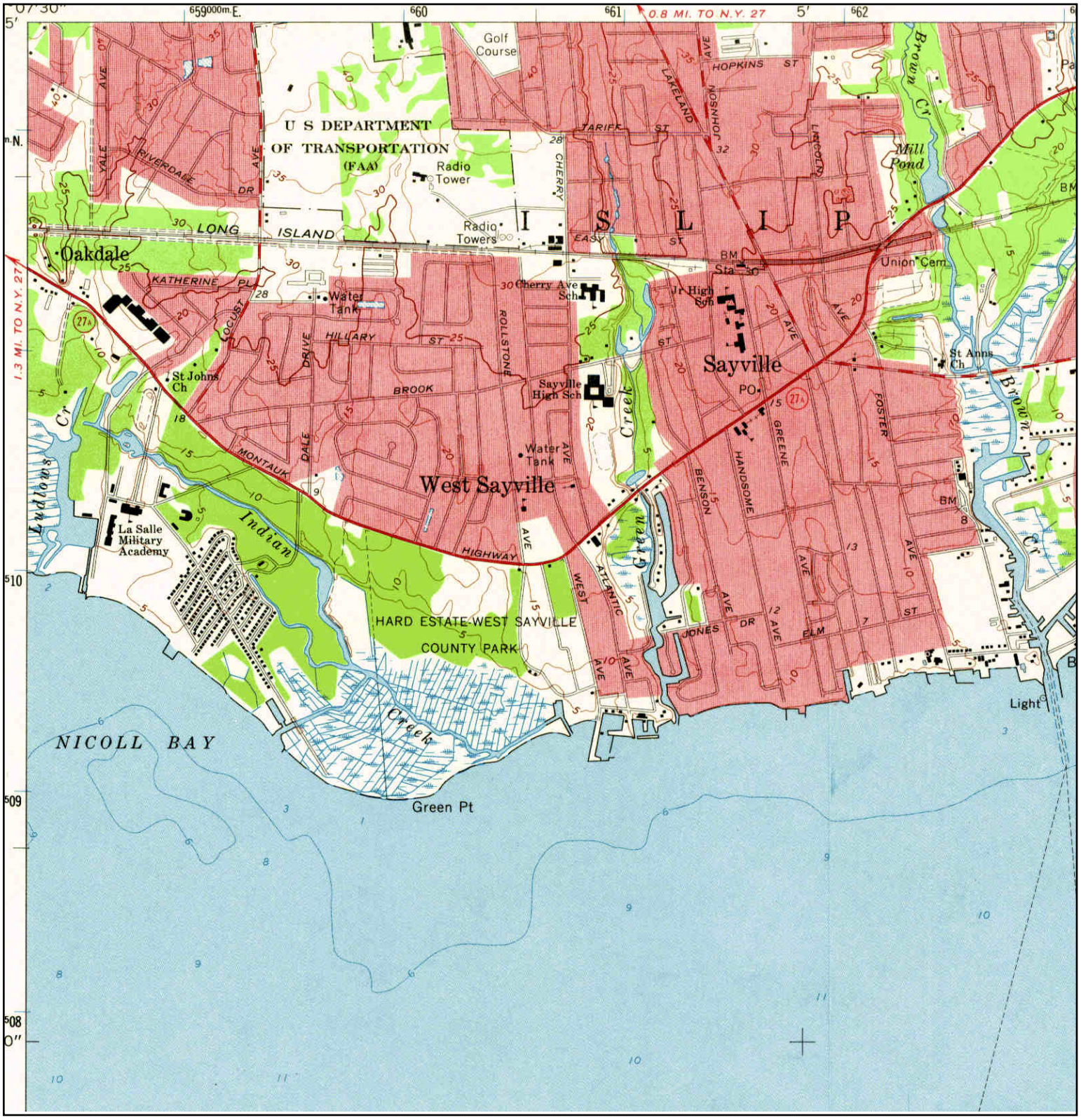
Historical Topographic Map

N	ADJOINING QUAD NAME: SAYVILLE MAP YEAR: 1944 SERIES: 7.5 SCALE: 1:25000	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

Historical Topographic Map

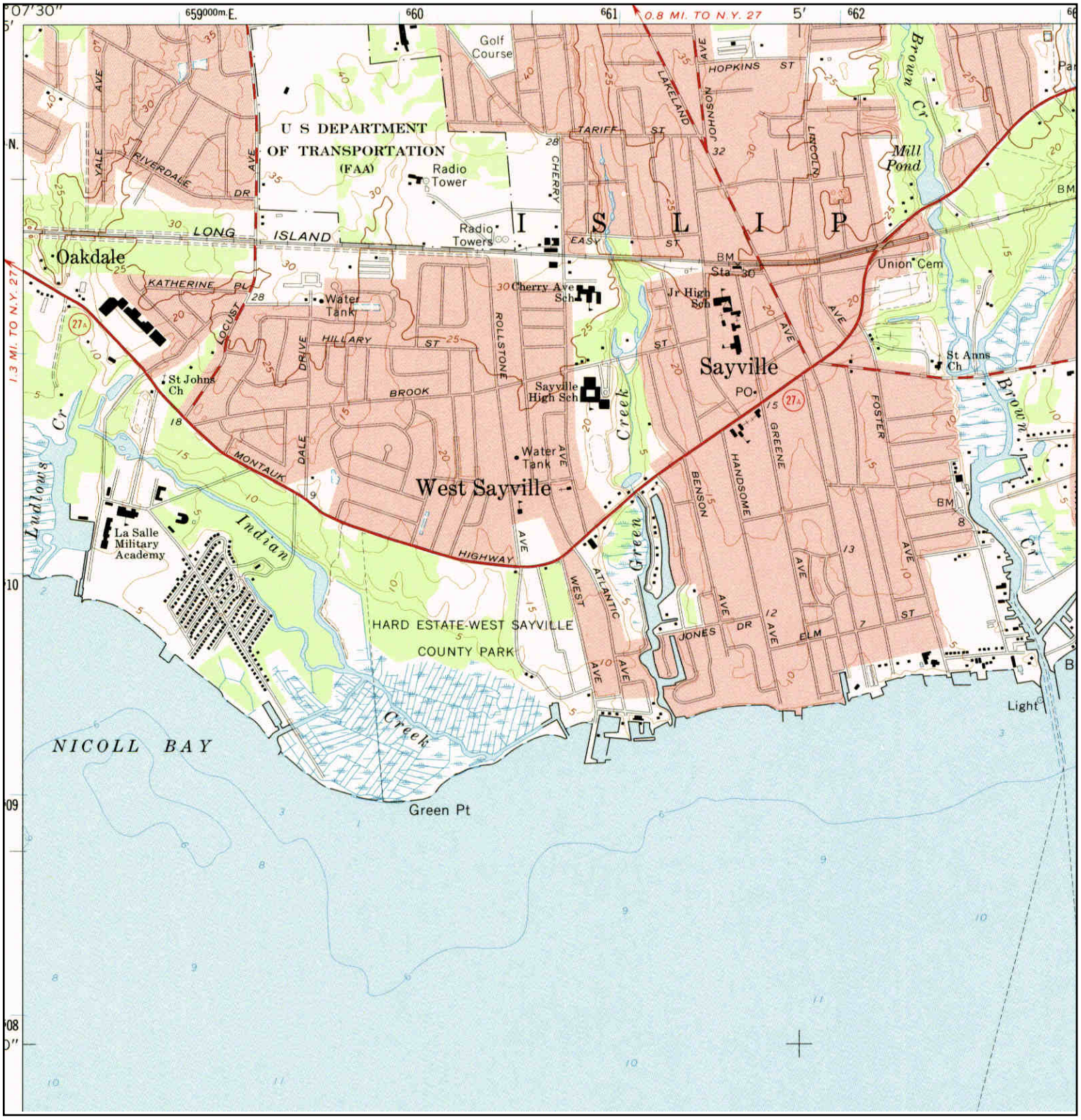
N	ADJOINING QUAD NAME: SAYVILLE MAP YEAR: 1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

Historical Topographic Map



N	ADJOINING QUAD				
	NAME:	SAYVILLE	SITE NAME:	RSL1401	CLIENT: P.W. Grosser Consulting
	MAP YEAR:	1967	ADDRESS:	458 Lakeland Avenue	CONTACT: Rocky Wenskus
				Sayville, NY 11782	INQUIRY#: 4019942.24
	SERIES:	7.5	LAT/LONG:	40.757 / -73.0982	RESEARCH DATE: 07/29/2014
	SCALE:	1:24000			

Historical Topographic Map



N	ADJOINING QUAD NAME: SAYVILLE MAP YEAR: 1976 PHOTOINSPECTED FROM : 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: RSL1401 ADDRESS: 458 Lakeland Avenue Sayville, NY 11782 LAT/LONG: 40.757 / -73.0982	CLIENT: P.W. Grosser Consulting CONTACT: Rocky Wenskus INQUIRY#: 4019942.24 RESEARCH DATE: 07/29/2014

APPENDIX D
AERIAL PHOTOS

RSL1401
458 Lakeland Avenue
Sayville, NY 11782

Inquiry Number: 4019942.30
July 29, 2014

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography July 29, 2014

Target Property:

458 Lakeland Avenue
Sayville, NY 11782

Year	***Scale***	***Details***	***Source***
1938	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: January 01, 1938	EDR
1947	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: January 01, 1947	EDR
1954	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: February 27, 1954	EDR
1957	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: March 31, 1957	EDR
1961	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: May 17, 1961	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: March 29, 1966	EDR
1976	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: April 10, 1976	EDR
1980	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: September 08, 1980	EDR
1985	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Date: April 17, 1985	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/DOQQ - acquisition dates: April 08, 1994	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Year: 2008	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G1, Patchogue, NY;/Flight Year: 2011	EDR

INQUIRY #: 4019942.30
YEAR: 1938
= 500'
N
EDR

INQUIRY #: 4019942.30
YEAR: 1947
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EDR

INQUIRY #: 4019942.30
YEAR: 1954
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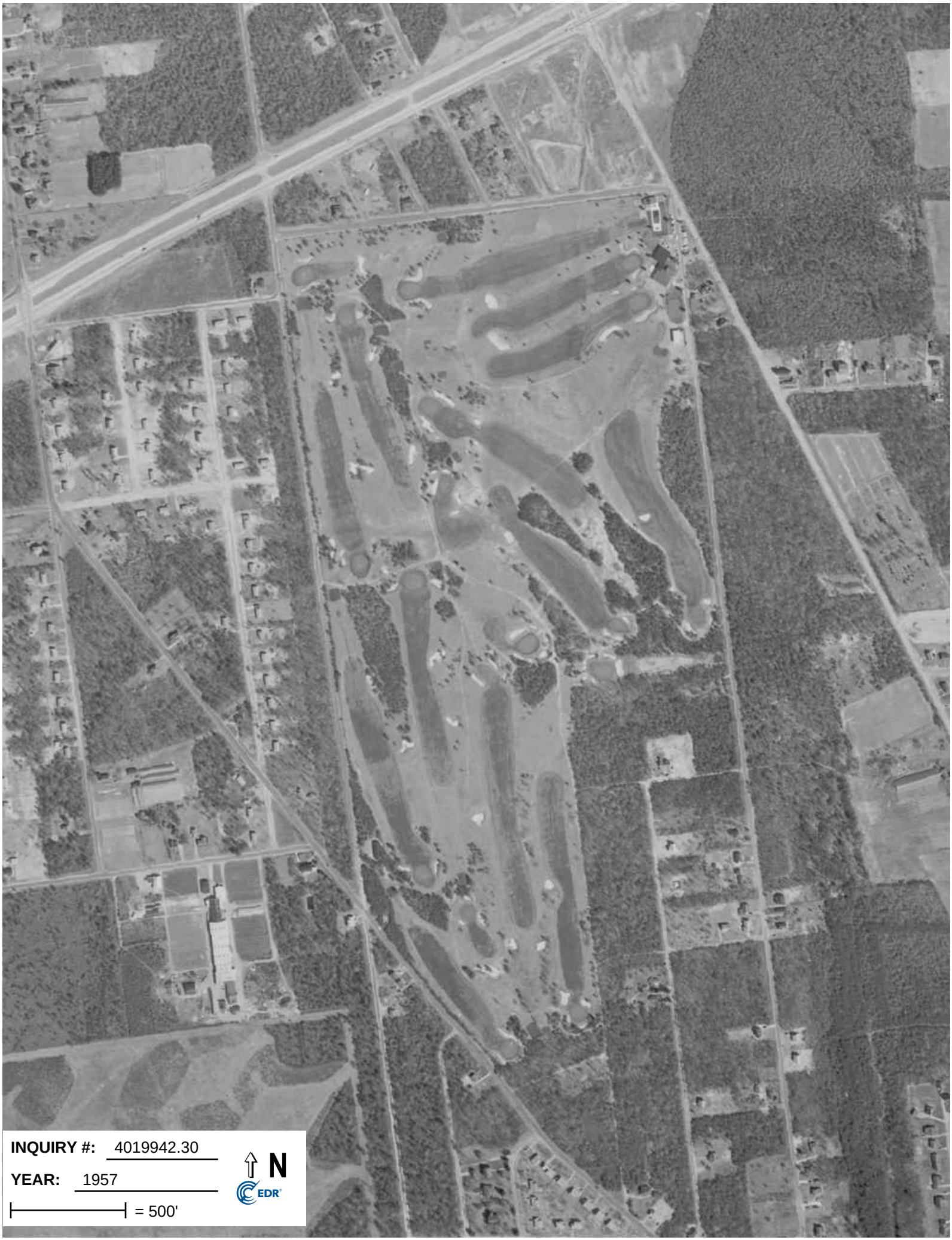
EDR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YEAR: 1957
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EDR

INQUIRY #: 4019942.30
YEAR: 1961
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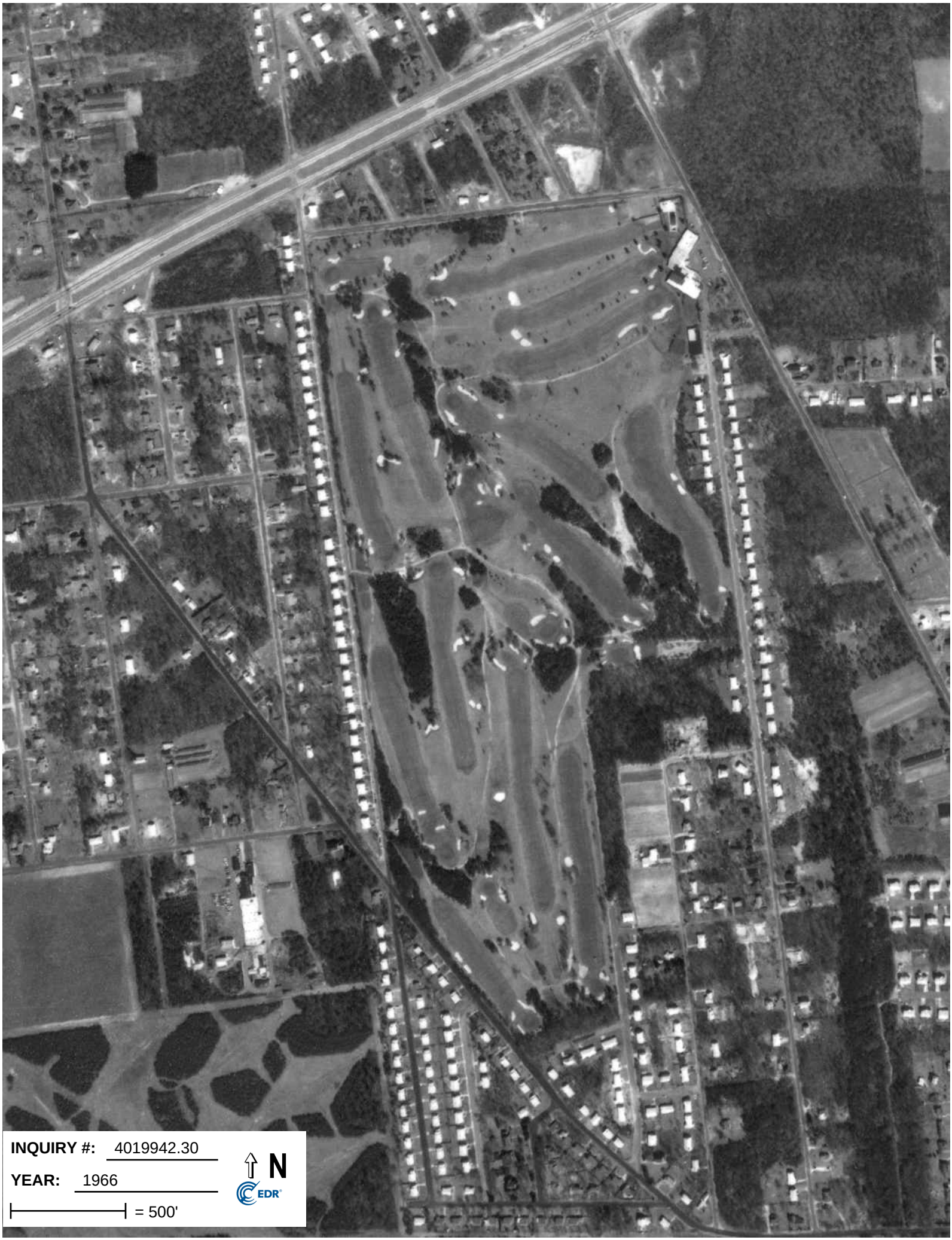
EDR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YEAR: 1966
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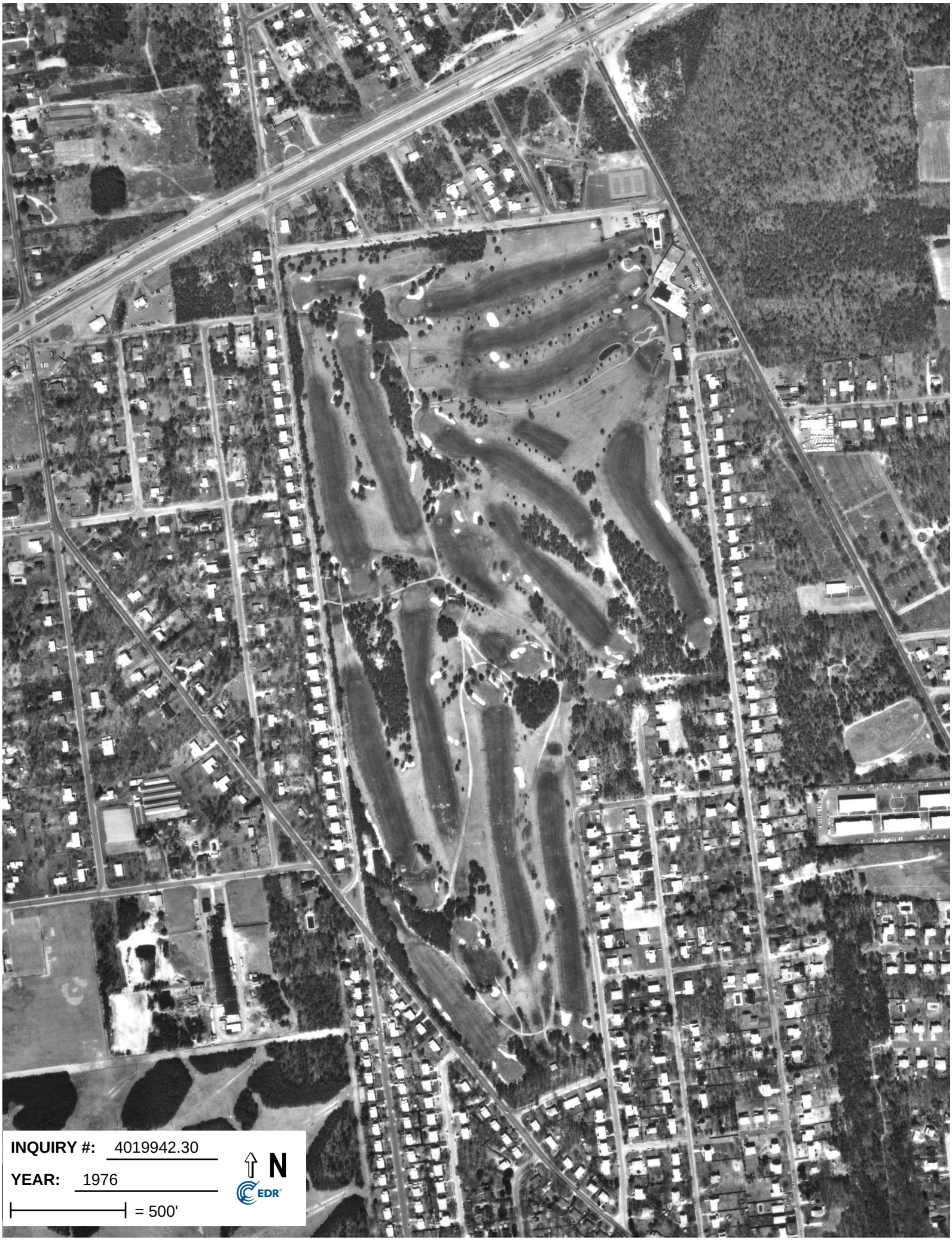
EDR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YEAR: 1980
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YEAR: 1985
= 500'
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EDR

INQUIRY #: 4019942.30
YEAR: 1994
= 500'
N
EDR

INQUIRY #: 4019942.30
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 4019942.30
YEAR: 2008
= 500'
N
EDR

INQUIRY #: 4019942.30
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 4019942.30
YEAR: 2011
= 500'
N
EDR

APPENDIX E
CITY DIRECTORY ABSTRACT

RSL1401
458 Lakeland Avenue
Sayville, NY 11782

Inquiry Number: 4019942.25
July 29, 2014

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2013	☑	☐	Cole Information Services
2008	☑	☐	Cole Information Services
2003	☑	☐	Cole Information Services
1999	☑	☐	Cole Information Services
1991	☑	☐	Cole Criss-Cross Directory
1986	☑	☐	Cole Criss-Cross Directory
1981	☑	☐	Cole Criss-Cross Directory
1976	☑	☐	Cole Criss-Cross Directory
1971	☑	☐	Cole Criss-Cross Directory

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FINDINGS

TARGET PROPERTY STREET

458 Lakeland Avenue
Sayville, NY 11782

Year	*CD Image*	*Source*
LAKELAND AVE		
2013	pg A1	Cole Information Services
2008	pg A3	Cole Information Services
2003	pg A5	Cole Information Services
1999	pg A7	Cole Information Services
1991	pg A8	Cole Criss-Cross Directory
1991	pg A9	Cole Criss-Cross Directory
1986	pg A10	Cole Criss-Cross Directory
1981	pg A11	Cole Criss-Cross Directory
1976	pg A12	Cole Criss-Cross Directory
1971	pg A13	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	Cole Information Services

LAKELAND AVE 2013

330	LOUIS MAMMOLITO
	MARCIA FINKELSTEIN
	SUSAN CEPARANO
	WEN BARTOLOTTA
332	DORIS SPECHT
	EDWARD CONROY
	FRANCENE BARRETT
	GARY TERRASI
	GERARD ROBERTS
	HERBERT BROWN
	KELLY MOLLOY
334	EMILY MCCAFFERTY
	KEVIN RECORD
	PATRICIA WALSH
336	CATHY PIZZO
	JEFFREY FASS
	RAFAEL OJEDA
338	CHRISTOPHER BURGALASSI
	EVELYN MONTEFUSCO
	RAFAEL MONROY
	SCOTT BECK
	TAMMY HOEY
339	BEA SENF
340	CHARLES FAZIO
	ELWOOD MCDONALD
	IVY CHAIMOWITZ
	JAMES AHERN
	KEITH DILL
	MAUREEN FAZIO
	MICHELE SWEENEY
	PATRICK PALIFKA
341	ROBERT REINSTEIN
342	KATHLEEN DAURIO
	LUCILLE MARTIR
	MALAK HAMWI
	MICHAEL MCGREGOR
	PAT MADISON
	ROBIN DOUPE
	STACEY DUGAN
345	PETER MCGORTY
347	ANTHONY TICALI
348	BOLDASSARE LAURICELLA
	BRUCE LARAVUSO
	DIANE ENGEL
	KAREN RATEL
	KATHLEEN DUNNE
350	ANTHONY PUPPELO
	DEBORAH CLYDE
	MARTIN CZUBA
	MICHAEL LESSER

Target Street	Cross Street	Source
✓	-	Cole Information Services

LAKELAND AVE 2013 (Cont'd)

350	STEPHEN BALTUNIS
371	LAKELAND CAMPUS HERO
380	NEW LIFE COMMUNITY CHURCH
	NEW LIFE NURSERY SCHOOL
400	VFW VETERANS OF FOREIGN WARS
458	ISLAND HILLS GOLF CLUB
469	R LEACH LANDSCAPING INC
	SAYVILLE GARDEN CENTER

Target Street	Cross Street	Source
✓	-	Cole Information Services

LAKELAND AVE 2008

329	GLENN RINYU
330	CYNTHIA LANGHAUSER
	JAMES BURKE
	LOUIS MAMMOLITO
	MARCIA FINKELSTEIN
	ROSEMARY ROGERS
	SUSAN CEPARANO
332	DORIS SPECHT
	EDWARD CONROY
	FRANCENE BARRETT
	GARY TERRASI
	GOLD REFINERIES
	KELLY MOLLOY
333	DAVID LINDQUIST
334	CHRIS RUGEN
	GLORIA FAIRHEAD
	KEVIN RECORD
	LAWRENCE SESSO
	MICHAEL DEVITO
336	CATHY PIZZO
	JEFFREY FASS
	LESLIE KATZ
	RUSSELL MAHUSKY
338	BRIJMOHAN BISSOON
	JAMES MORENO
	KEARA TATUM
	LINDA FRANCO
	RAFAEL MONROY
	RALPH LOMBARDI
	TAMMY HOEY
339	BEA SENF
340	ELWOOD MCDONALD
	KAREN WILLIAMS
	KEITH DILL
	MICHELE SWEENEY
	PATRICK PALIFKA
341	OAKAR SANWAI
342	ALEX MONTESQUIEU
	BASMA ALBARAZI
	LF KOLODNICKI
	M L & D INC
	MICHAEL MCGREGOR
	PATRICIA MADISON
345	OCCUPANT UNKNOWN
347	YAZMINE VILLAFANE
348	ANTHONY BUTTINO
	BOLDASSARE LAURICELLA
	GAIL TAYLOR
	JOSEPH LAFEMINA
	MICHAEL ENGEL

Target Street	Cross Street	Source
✓	-	Cole Information Services

LAKELAND AVE 2008 (Cont'd)

350	ANTHONY PUPPELO
	AXIOM FINANCIAL SERVICES INC
	GALE BURKE
	MICHAEL LESSER
	STEPHEN BALTUNIS
	SYLVIA GOODWIN
371	HJ SWIFT CONVENIENCE INC
380	NEW LIFE COMMUNITY CHURCH OF SAYVILL
	NEW LIFE DAY CARE CENTER
400	SAYVILLE VETERANS CLUB INC
	VFW POST 433
458	ISLAND HILLS GOLF CLUB INC

Target Street	Cross Street	Source
✓	-	Cole Information Services

LAKELAND AVE 2003

330	DONALD OLEARY
	JAMES BURKE
	MARCIA FINKELSTEIN
	MITCHELL COHEN
	ROSEMARY ROGERS
	SUSAN CEPARANO
332	EDWARD CONROY
	FRANCENE BARRETT
	GARY TERRASI
	GERARD ROBERTS
	TOD HANUS
333	DAVID LINDQUIST
334	CHRISTOPHER RUGEN
	DAVID JENKINS
	GRAFIK SAUCE STUDIOS
	LINDA ILOSHWAY
	MICHAEL BUTLER
	MICHAEL DEVITO
	ROSEMARY SANTAMARIA
	THOMAS GLASS
336	AMANDA PLEYDLE
	DANI TAFURO
	JEFFREY FASS
	MEREDITH FRANCIS
	PETER ZAFONTE
338	CECILIA HOEY
	J MORENO
	RAFAEL MONROY
	RALPH LOMBARDI
339	BEA SENF
340	ELWOOD MCDONALD
	LAURIE AGUIRRE
	PATRICK PALIFKA
	STEPHANIE MAHONEY
341	MICHAEL KNOOP
342	DANIEL KEOUGH
	GHENWAH ALBARAZI
	MICHAEL MCGREGOR
	THERESA BURKE
345	PETER MCGORTY
347	GUIDO MARCELLO
348	BOLDASSARE LAURICELLA
	FLORENCE LAUREIRA
	MICHAEL ENGEL
350	ANTHONY PUPPELO
	DIANA GREGORY
	ROSEMARY NEWBECK
380	NEW LIFE COMMUNITY CHURCH
	NEW LIFE DAY CARE CTR
400	VFW POST 433

Target Street	Cross Street	Source
✓	-	Cole Information Services

LAKELAND AVE 2003 (Cont'd)

458 ISLAND HILLS GOLF CLUB INC
JOHN GENOVESI
SAYVILLE DEVELOPMENT GROUP
469 OCCUPANT UNKNOWN
SAYVILLE GARDEN CTR

Target Street	Cross Street	Source
✓	-	Cole Information Services

LAKELAND AVE 1999

380	NEW LIFE COMMUNITY NURSERY SCHOOL
	NEW LIFE DAY CARE CENTER
400	V F W POST 433
458	ISLAND HILLS COUNTRY CLUB CATERING
469	SAYVILLE GARDEN CENTER

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

LAKELAND AVE 1991

	Nicholas Goldblatt	¤	244-8814
	Scott J Meyer	¤	563-3170
	L Rando	¤	589-1656
	James Rhone	89	567-2739
329		NP	
330	Paul Harlin	89	567-8657
2H	Benj Lasalle Jr	89	567-4318
330	William Lewis	89	563-5146
	Kevin P McCarthy	¤	589-3043
	N A Meddis	81	567-3878
	Rosemary J Rogers	-	567-1961
332	Francene H Barrett	74	567-2797
	M R Casalino	89	589-8235
	Mark Orlich	89	567-0752
	Thomas Scandaliato	¤	589-1524
	D M Specht	89	567-7245
	Anthony R Vivo Sr	87	589-4679
333		NP	
334	D Byrne	89	589-3849
	William Carhart	89	567-8873
	Wayne Howell	¤	567-7970
	Bill Kieffner	89	563-6142
	William M Maenza	-	244-2906
	Magsuda Murad	88	567-1544
	Anthony Pitrelli	¤	567-8230
	N Polak	¤	589-4998
	C Sheard	89	567-1641
	G Wood	89	567-4065
336	Gerard Aniskewicz	-	563-1886

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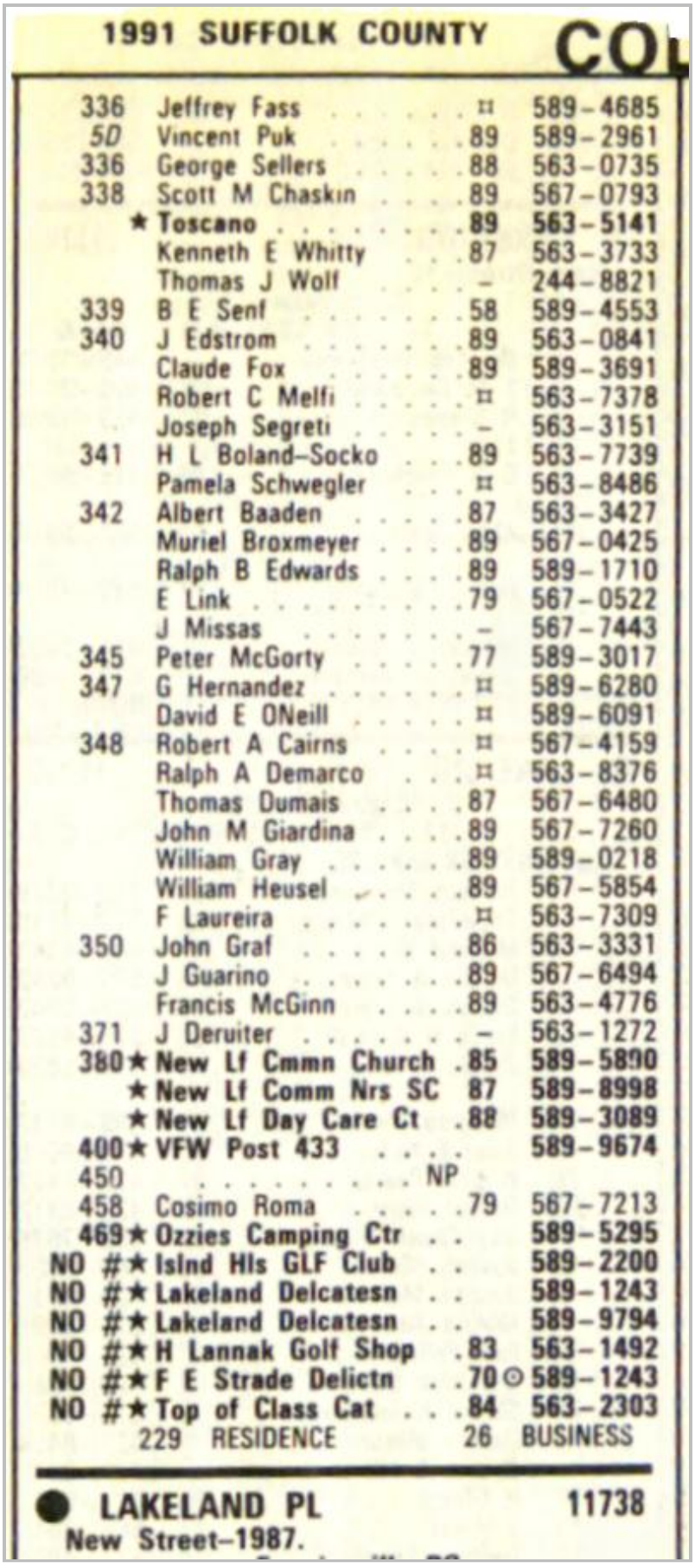
Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

LAKELAND AVE 1991



1991 SUFFOLK COUNTY COL

336	Jeffrey Fass	¤	589-4685
50	Vincent Puk	89	589-2961
336	George Sellers	88	563-0735
338	Scott M Chaskin	89	567-0793
	★ **Toscano**	**89**	**563-5141**
	Kenneth E Whitty	87	563-3733
	Thomas J Wolf	–	244-8821
339	B E Senf	58	589-4553
340	J Edstrom	89	563-0841
	Claude Fox	89	589-3691
	Robert C Melfi	¤	563-7378
	Joseph Segreti	–	563-3151
341	H L Boland-Socko	89	563-7739
	Pamela Schwegler	¤	563-8486
342	Albert Baaden	87	563-3427
	Muriel Broxmeyer	89	567-0425
	Ralph B Edwards	89	589-1710
	E Link	79	567-0522
	J Missas	–	567-7443
345	Peter McGorty	77	589-3017
347	G Hernandez	¤	589-6280
	David E ONeill	¤	589-6091
348	Robert A Cairns	¤	567-4159
	Ralph A Demarco	¤	563-8376
	Thomas Dumais	87	567-6480
	John M Giardina	89	567-7260
	William Gray	89	589-0218
	William Heusel	89	567-5854
	F Laureira	¤	563-7309
350	John Graf	86	563-3331
	J Guarino	89	567-6494
	Francis McGinn	89	563-4776
371	J Deruiter	–	563-1272
380	★ **New Lf Cmmn Church**	**85**	**589-5890**
	★ **New Lf Comm Nrs SC**	**87**	**589-8998**
	★ **New Lf Day Care Ct**	**88**	**589-3089**
400	★ **VFW Post 433**		**589-9674**
450		NP	
458	Cosimo Roma	79	567-7213
469	★ **Ozzies Camping Ctr**		**589-5295**
NO #	★ **Islnd Hls GLF Club**		**589-2200**
NO #	★ **Lakeland Delcatesn**		**589-1243**
NO #	★ **Lakeland Delcatesn**		**589-9794**
NO #	★ **H Lannak Golf Shop**	**83**	**563-1492**
NO #	★ **F E Strade Delictn**	**70** ⊙	**589-1243**
NO #	★ **Top of Class Cat**	**84**	**563-2303**

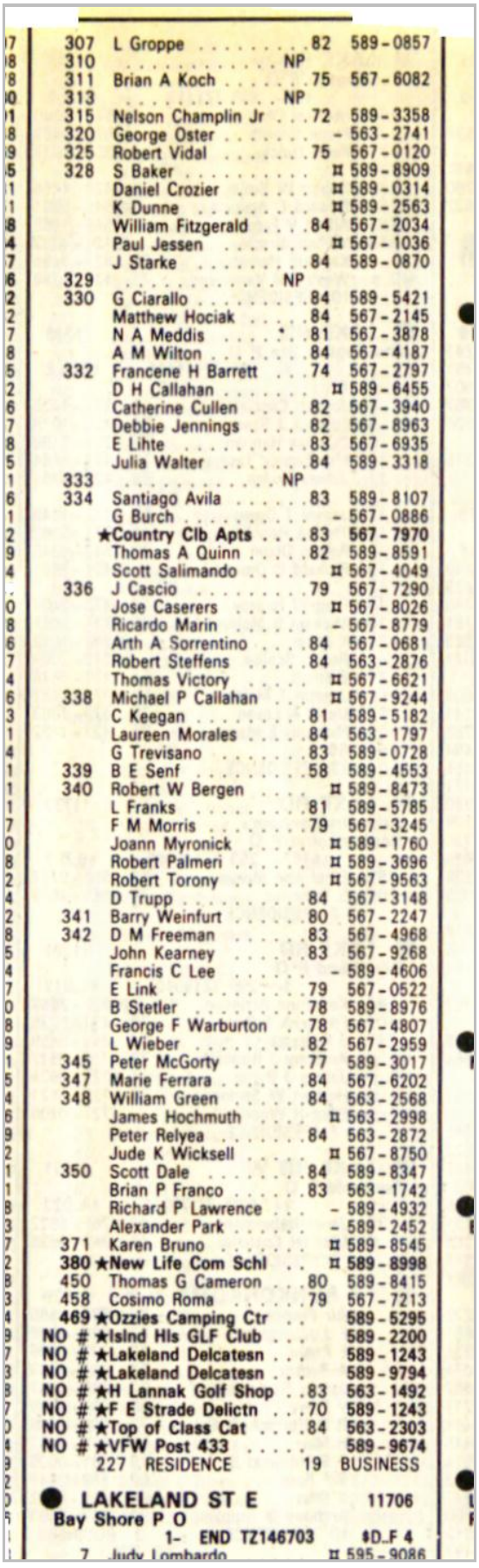
229 RESIDENCE 26 BUSINESS

● **LAKELAND PL** 11738

New Street-1987.

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

LAKELAND AVE 1986



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325	Robert Vidal	75	567-0120
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	K Dunne	¤	589-2563
	William Fitzgerald	84	567-2034
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	J Starke	84	589-0870
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	Matthew Hociak	84	567-2145
	N A Meddis	81	567-3878
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332	Francene H Barrett	74	567-2797
	D H Callahan	¤	589-6455
	Catherine Cullen	82	567-3940
	Debbie Jennings	82	567-8963
	E Lihte	83	567-6935
	Julia Walter	84	589-3318
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334	Santiago Avila	83	589-8107
	G Burch	-	567-0886
	★Country Clb Apts	83	**567-7970**
	Thomas A Quinn	82	589-8591
	Scott Salimando	¤	567-4049
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	Jose Caserers	¤	567-8026
	Ricardo Marin	-	567-8779
	Arth A Sorrentino	84	567-0681
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	C Keegan	81	589-5182
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	F M Morris	79	567-3245
	Joann Myronick	¤	589-1760
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	Robert Torony	¤	567-9563
	D Trupp	84	567-3148
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	E Link	79	567-0522
	B Stetler	78	589-8976
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	L Wieber	82	567-2959
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347	Marie Ferrara	84	567-6202
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	James Hochmuth	¤	563-2998
	Peter Relyea	84	563-2872
	Jude K Wicksell	¤	567-8750
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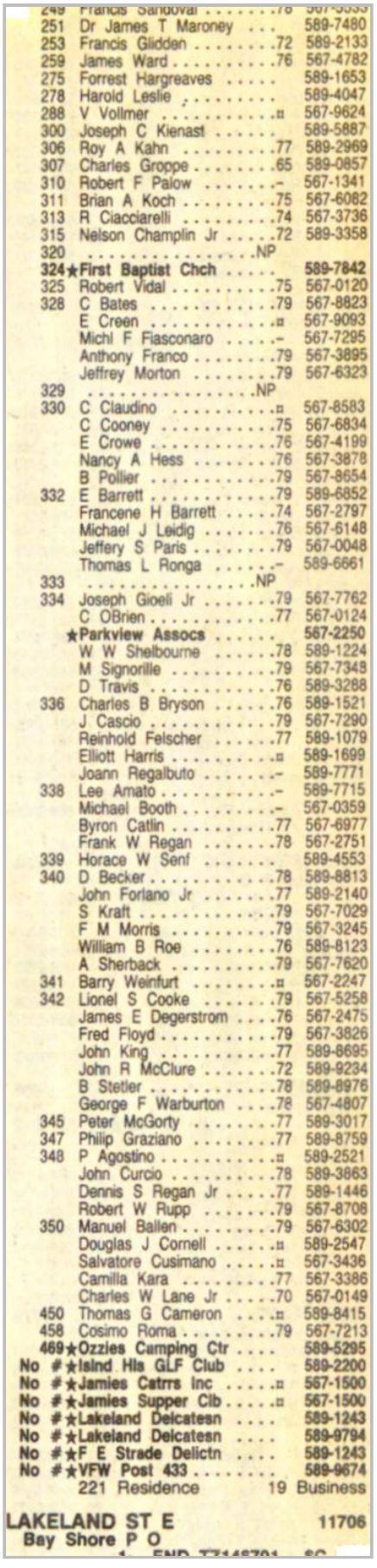
	Brian P Franco	83	563-1742
	Richard P Lawrence	-	589-4932
	Alexander Park	-	589-2452
371	Karen Bruno	¤	589-8545
380	**★New Life Com Schl**	¤	**589-8998**
450	Thomas G Cameron	80	589-8415
458	Cosimo Roma	79	567-7213
469	**★Ozzies Camping Ctr**		**589-5295**
NO #	**★Islnd Hls GLF Club**		**589-2200**
NO #	**★Lakeland Delcatesn**		**589-1243**
NO #	**★Lakeland Delcatesn**		**589-9794**
NO #	**★H Lannak Golf Shop**	83	**563-1492**
NO #	**★F E Strade Delictn**	70	**589-1243**
NO #	**★Top of Class Cat**	84	**563-2303**
NO #	**★VFW Post 433**		**589-9674**

227 RESIDENCE 19 BUSINESS

LAKELAND ST E 11706
Bay Shore P O
1- END TZ146703 $D_F 4
7 Judy Lombardo ¤ 595-9086

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

LAKELAND AVE 1981



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253 Francis Glidden 72 589-2133
259 James Ward 76 567-4782
275 Forrest Hargreaves 589-1653
278 Harold Leslie 589-4047
288 V Vollmer . . . . . .¤ 567-9624
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307 Charles Groppe 65 589-0857
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311 Brian A Koch 75 567-6082
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315 Nelson Champlin Jr 72 589-3358
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325 Robert Vidal 75 567-0120
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E Creen . . . . . .¤ 567-9093
Michl F Fiasconaro . . . . .- 567-7295
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B Pollier 79 567-8654
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Francene H Barrett 74 567-2797
Michael J Leidig 76 567-6148
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W W Shelbourne 78 589-1224
M Signorille 79 567-7348
D Travis 76 589-3288
336 Charles B Bryson 76 589-1521
J Cascio 79 567-7290
Reinhold Felscher 77 589-1079
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Frank W Regan 78 567-2751
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350 Manuel Ballen 79 567-6302
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Charles W Lane Jr 70 567-0149
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No #★Jamies Catrrs Inc . . . . .¤ 567-1500
No #★Jamies Supper Clb . . . . .¤ 567-1500
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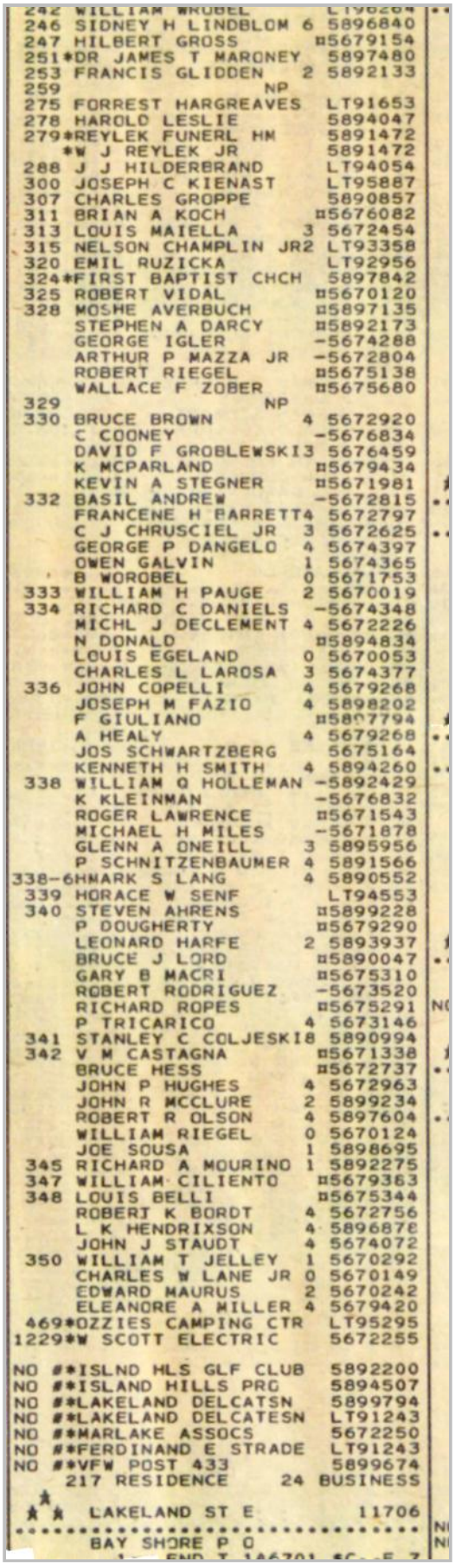
No #★F E Strade Delictn 589-1243
No #★VFW Post 433 589-9674
221 Residence 19 Business

LAKELAND ST E 11706
Bay Shore P O

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

LAKELAND AVE 1976



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336 JOHN COPELLI       4 5679268
    JOSEPH M FAZIO     4 5898202
    F GIULIANO                 #5807794
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350 WILLIAM T JELLEY   1 5670292
    CHARLES W LANE JR  0 5670149
    EDWARD MAURUS      2 5670242
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NO  **ISLND HLS GLF CLUB       5892200
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NO  **MARLAKE ASSOCS           5672250
NO  **FERDINAND E STRADE       LT91243
NO  **VFW POST 433             5899674
    217 RESIDENCE     24 BUSINESS

 * *  LAKELAND ST E                11706
**********************************
      BAY SHORE P O
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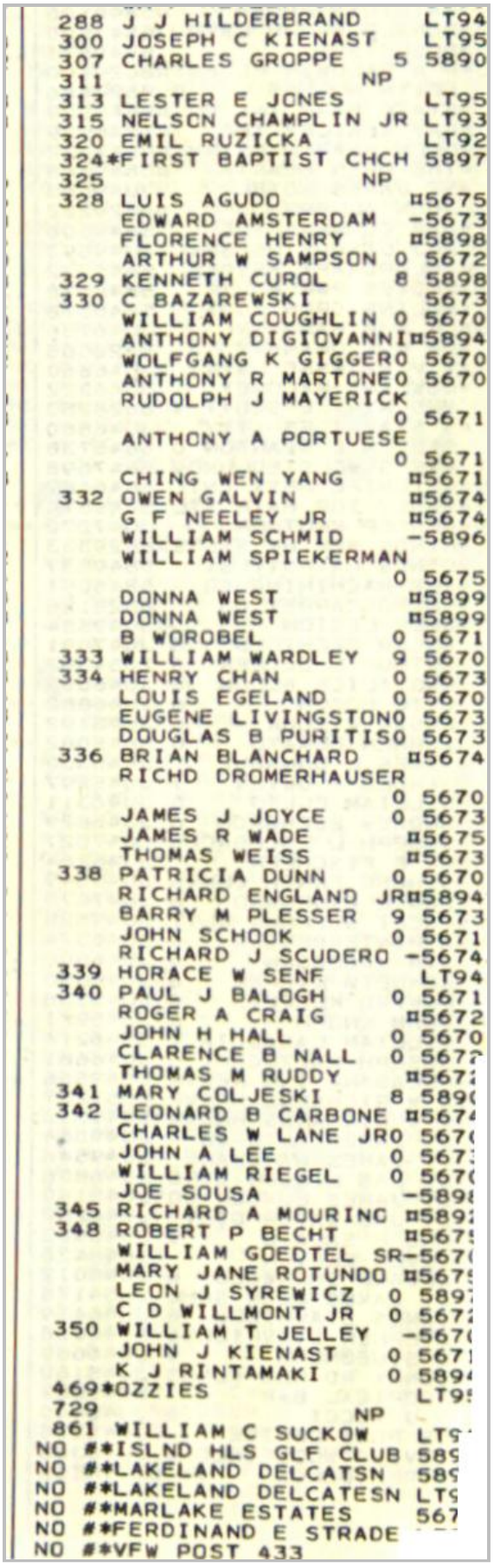
Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

LAKELAND AVE 1971



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     THOMAS WEISS        ¤5673
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     JOHN SCHOOK          0  5671
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NO ##LAKELAND DELCATESN      LT9
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NO ##FERDINAND E STRADE
NO ##VFW POST 433
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APPENDIX F
SITE QUESTIONNAIRE AND RELEVANT DOCUMENTS

Client Questionnaire

P.W. Grosser Consulting Inc. (PWGC) has been contracted to perform a Phase I Environmental Site Assessment (ESA) of the property listed below. The Phase I investigation will include site observations, interviews, and review of available documentation. To ensure the success of the assessment, and in accordance with the ASTM 1527-05 which documents certain user responsibilities, we are submitting this questionnaire to assist you in meeting those responsibilities. If you could please complete this questionnaire and return it via email or by fax to (631) 589-8705 within one business day of receipt it will allow us to complete the Phase I ESA in a timely and efficient manner.

Date: _____

Name of person completing questionnaire: _____ **Phone #:** _____

Company: _____ **Length of association with property:** ____

Property Name/Address: _____

PWGC Project #: _____

Directions: Please read and answer all questions very carefully, to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Supplemental details necessary to explain any yes or unknown responses should be provided in the "Comments" column. Note: U/NR indicates "Unknown" or "No Response," and "N/A" indicates not applicable. If "Comment" box proves to small to fit your comment please attach an additional form with your full response.

		Question	Y	N	U/NR	Comment
1		Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?				
2		Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property?				
3		Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?				
4		Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?				
5		Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?				

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Peer Reviewed Member

		Question	Y	N	U/NR	Comment
6		As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or previous occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?				
7		Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?				
8		Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?				
	8(a)	Do you know past uses of the property?				
	8(b)	Do you know of specific chemicals that are present or once were present at the property?				
	8(c)	Do you know of any spills or other chemical releases that have taken place at the property?				
	8(d)	Do you know of any environmental cleanups that have taken place at the site?				
9		As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?				

In addition, are you aware of any of the following documents, and if so, please forward copies of the document(s) to P.W. Grosser Consulting at 630 Johnson Ave, Ste 7, Bohemia, NY 11716-2618 (along with a copy of this form):

Helpful Documents to be forwarded to PWGC:

__ Environmental site assessment reports (i.e. Phase I or II, tank testing results, radon, lead paint, or asbestos testing, etc.)
__ Environmental compliance audit reports; risk assessments; and recorded Activity and Use Limitations (AULs)
__ Environmental permits (i.e. solid waste disposal, hazardous waste disposal, wastewater, NPDES, etc.)
__ Registrations for underground storage tanks (USTs) and aboveground storage tanks (ASTs)
__ Registrations for underground injection systems
__ Material safety data sheets
__ Community right to know plan
__ Safety plans; preparedness and prevention plans; spill prevention, countermeasure/control plans, etc.
__ Reports regarding hydrogeological or geotechnical conditions on the property and surrounding area
__ Notices/correspondence from any agency relating to past or current violations of environmental laws, or liens encumbering the property
__ Hazardous waste generator notices or reports
__ Other:

Please Enter Additional Comments on This Page

Key Site Manager Pre-Survey Questionnaire

Date: _____

Name of person completing questionnaire: _____ **Company:** _____
Association with property: _____ **Duration:** _____ **years**
Property Name/Address: _____
Phone #: _____
PWGC Project #: _____

Directions: Please read and answer all questions very carefully, to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Supplemental details necessary to explain any yes or unknown responses should be provided in the "Comments" column. Note: U/NR indicates "Unknown" or "No Response," and "N/A" indicates not applicable. If "Comment" box proves to small to fit your comment please attach an additional form with your full response.

QUESTION		RESPONSE			COMMENTS
		Y	N	U/NR	
1A.	Is the property used for an industrial use?				
1B.	Are any adjoining properties used for an industrial use?				
2A.	To the best of your knowledge, has the property had an industrial use in the past?				
2B.	To the best of your knowledge, has the adjoining properties been used for an industrial use in the past?				
3A.	Is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?				
3B.	Is any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?				
4A.	To the best of your knowledge, has the property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?				
4B.	To the best of your knowledge, has any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?				
5A.	Are there currently any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers greater than five gallons in volume or fifty				

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	gallons in the aggregate, stored on or used at the subject property?				
5B.	To the best of your knowledge, have there been previously any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than five gallons in volume or 50 gallons in aggregate, stored or used at the subject property?				
6A.	Are there currently any industrial drums (typically 55 gallon) or sacks of chemicals located on the property?				
6B.	To the best of your knowledge, have there been previously any industrial drums (typically 55 gallon) or sacks of chemicals located at the property?				
7A.	Is there currently any groundwater monitoring wells or other groundwater wells (i.e., potable drinking water wells) located on the property?				
7B.	To the best of your knowledge, have there been previously any groundwater monitoring wells or other groundwater wells (i.e., potable drinking water wells) located on the property?				
8A.	Has fill dirt been brought onto the property which originated from a contaminated site?				
8B.	Has fill dirt been brought onto the property which is of an unknown origin?				
9A.	Are there currently any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?				
9B.	To the best of your knowledge, has there been previously any pit, ponds or lagoons located on the property in connection with waste treatment or waste disposal?				
10A.	Is there currently, any stained soil on the property?				
10B.	To the best of your knowledge, has there been previously any stained soil on the property?				
11A.	Are there currently any registered or unregistered storage tanks (above or underground) located on the property?				
11B.	To the best of your knowledge, have there been previously any registered or unregistered storage tanks (above or underground) located on the property?				
12A.	Are there currently any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?				
12B.	To the best of your knowledge, have there been previously any vent pipes, fill pipes or access way indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?				
13A.	Are there currently any flooring, drains, or walls located at the property that are stained by substances other than				

	water or are emitting foul odors?				
13B.	To the best of your knowledge, have there been previously any flooring, drains, or walls located at the property that are stained by substances other than water or are emitting foul odors?				
14A.	If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system?				
14B.	If the property is served by a private well or non-public water system has the well been designated as contaminated by any government environmental/health agency?				
15A.	Have you been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?				
15B.	Have you been informed of the current existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?				
16A.	Are there any environmental liens or governmental notification relating to past or current violations of environmental laws with respect to the property or any facility located on the property?				
16B.	Have you been informed of the past existence of environmental violations with respect to the property or any facility located on the property?				
16C.	Are you aware of any pending, threatened, or past litigation relevant to hazardous substances of petroleum products in, on or from the property?				
16D.	Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property?				
16E.	Are you aware of any notices from any governmental entity regarding any possible violation or environmental laws or possible liability relating to hazardous substances or petroleum products?				
17.	Have there been any environmental site assessments of the property that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?				
18.	Does the property discharge waste water on or adjacent to the property, other than storm water, into a storm water sewer system?				
19.	Does the property discharge waste water on or adjacent to the property, other than storm water, or into a sanitary system?				

20.	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?				
21.	Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of PCBs?				
22.	Is there now or has there ever been any asbestos-containing materials (ACM), in any application, on the property?				
23.	Has there ever been any ACM testing conducted on the property?				
24.	Is there any asbestos Operations and Maintenance (O&M) program in place at the property?				
25.	Is the now or has there ever been any lead-based paint (LBP) applications on the property?				
26.	Has there ever been LBP testing conducted on the property?				
27.	Is there a Lead Paint Operations and Maintenance (O&M) Program in place at the property?				
28.	Has the water at the property ever been tested for lead?				
29.	Has Radon testing ever been conducted at the property?				
30.	Are there any other Operations and Maintenance (O&M) programs in place that we should be made aware of?				
31.	Is the property or any portion of the property located or involved in any environmentally sensitive areas (i.e., wetlands, coastal barrier resource areas, coastal barrier improvement act areas, flood plains, endangered species, etc.)?				
32.	Do you know or suspect that mold was or is present in the building(s) or HVAC system?				
33.	Are there reliable procedures that specify the actions (i.e. operations and maintenance) to be taken to prevent and/or respond to mold or mold producing problems?				
34.	Is there a mold Operations and Maintenance (O&M) program in place at the property?				
35.	Is the HVAC system inspected at least annually?				
36.	Have identified HVAC problems been corrected in a timely manner?				
37.	Is there now, or has there ever been evidence of mold or mildew present at the building(s)? If so, when?				

38.	Is there now, or has there ever been any water damage in the building(s), whether from flooding, plumbing, roof leaks, or other sources? If so, when?				
39.	Has there ever been any sort of Indoor Air Quality (IAQ) or mold testing conducted in the building(s)?				
Summarize historical property use (when was the property developed with the current improvements, what modifications have taken place, what was the property used for prior to its' current use)					

Owner Questionnaire

P.W. Grosser Consulting Inc. (PWGC) has been contracted to perform a Phase I Environmental Site Assessment (ESA) of the property listed below. The Phase I investigation will include site observations, interviews, and review of available documentation. To ensure the success of the assessment, and in accordance with the ASTM 1527-05, we are required to ask the following question of the owner or opener's representative. If you could please complete this questionnaire and return it via email or by fax to (631) 589-8705 within one business day of receipt it will allow us to complete the Phase I ESA in a timely and efficient manner.

Date: _____

Name of person completing questionnaire: _____ **Company:** _____

Length of association with property: _____ **Phone #:** _____

Property Name/Address: _____

PWGC Project #: _____

Please Check One: [ ] Owner [ ] Owner Representative

Directions: Please read and answer all questions very carefully, to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Supplemental details necessary to explain any yes or unknown responses should be provided in the "Comments" column. Note: U/NR indicates "Unknown" or "No Response," and "N/A" indicates not applicable. If "Comment" box proves to small to fit your comment please attach an additional form with your full response.

		Question	Y	N	U/NR	Comment
1		Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?				
2		Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property?				
3		Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?				
4		Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?				
5		Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?				

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6		Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user				
	6(a)	Do you know past uses of the property?				
	6(b)	Do you know of specific chemicals that are present or once were present at the property?				
	6(c)	Do you know of any spills or other chemical releases that have taken place at the property?				
	6(d)	Do you know of any environmental cleanups that have taken place at the site?				

In addition, are you aware of any of the following documents, and if so, please forward copies of the document(s) to P.W. Grosser Consulting at 630 Johnson Ave, Ste 7, Bohemia, NY 11716-2618 (along with a copy of this form):

Helpful Documents to be forwarded to PWGC:

__ Environmental site assessment reports (i.e. Phase I or II, tank testing results, radon, lead paint, or asbestos testing, etc.)
__ Environmental compliance audit reports; risk assessments; and recorded Activity and Use Limitations (AULs)
__ Environmental permits (i.e. solid waste disposal, hazardous waste disposal, wastewater, NPDES, etc.)
__ Registrations for underground storage tanks (USTs) and aboveground storage tanks (ASTs)
__ Registrations for underground injection systems
__ Material safety data sheets
__ Community right to know plan
__ Safety plans; preparedness and prevention plans; spill prevention, countermeasure/control plans, etc.
__ Reports regarding hydrogeological or geotechnical conditions on the property and surrounding area
__ Notices/correspondence from any agency relating to past or current violations of environmental laws, or liens encumbering the property
__ Hazardous waste generator notices or reports
__ Other:

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CONSULTING, INC

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June 30, 2006

Mr. Luigi Salcedo
R Squared LLC
555 Madison Ave, 12th Floor
New York, NY 10022

Re: Phase I Environmental Site Assessment
Island Hills Golf Club, Sayville, New York

Dear Mr. Salcedo:

P.W. Grosser Consulting, Inc. (PWGC) is pleased to submit for your use two copies of our Phase I Environmental Site Assessment report for the subject property (Parcels 4, 6, 7, and 8) which consists of approximately a 113 acre golf course. It was determined from the site inspection, records review and interviews that there are recognized environmental conditions with regard to the subject site. Recognized environmental conditions are those conditions which could adversely affect the environmental integrity of the property. These conditions are summarized below and on the attached table.

Due to the age of the buildings, it is likely that potential asbestos containing material is present within the buildings. Materials which are in good condition and are not likely to release fibers may remain. Friable and damaged materials should be removed.

As with asbestos, since the buildings were built before the 1978 ban of lead based paint, it is likely that lead based paint is present in the buildings. PWGC observed some peeling paint in the Central Maintenance Building and Pool House. If peeling paint if found within the building, it should be properly removed or repaired.

Mold was identified in two buildings, the Club House and the Pool House. Molds are a class of fungi and have been found to cause a variety of health problems in humans, including allergic, toxicological, and infectious responses. Water damaged drywall and potential mold growth in a storage room located between the kitchen and the catering hall was noted during the inspection. The source of the water damage is likely a roof leak. PWGC recommends repair of the roof leak and removal of the suspected mold damaged materials. There was significant mold growth observed in the bathroom and snack bar areas of the pool house. The Pool House building is in severe disrepair with several water leaks.

Please do not hesitate to contact me if you have any questions or require additional information.

Very truly yours,
P.W. Grosser Consulting, Inc.

Bryan A Devaux
Project Manager

Lisa Santoro
Vice-President

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Area	REC No.	REC	Comments/Recommendation
Club House Building	01	Sanitary Systems-3	Sample each system primary structure due to age of golf course (1927), potential pesticide herbicide usage and sample results from other sanitary system.
Club House Vicinity	02	Oil Stained Pad & Transformer	Since staining trended off pad to soil, evaluate soil for PCB contamination.
Pro-Shop Building	03	AST Staged on Soil	Fuel oil AST not installed to code and staged on soil. Evaluate soil for petroleum impact.
	04	Sanitary System(s)	Due to the sanitary vent interior to the building, a second system may be associated with the building. Investigate line to determine discharge point. As with REC No. 1, sample each system primary.
	05	UST	A suspected UST fuel oil vent is located inside the building. Locate UST and determine if removed or properly abandoned and evaluate soil as necessary.
Green	06	Storm Drains-2	Two storm drains located at low point on course, potential for accumulation of contaminants. Sample each structure.
	07	Landscape Debris & Waste Drums Area of Holes 1 & 2	Drums in various stages of decay, some with standing liquid that are improperly stored. Evaluate soils in area.
	08	Landscape Debris Piles Holes 13 & 16	Landscape debris stockpiled, evaluate soil.
Central Maintenance Building	09	Sanitary System	Building used for storage of sprinkler supplies and bathrooms are present. As with REC No. 1, sample each primary structure.
S. Maintenance Building	10	Maintenance Pit	Maintenance pit inside building used for repairs of equipment. Evaluate if pit has the potential to impact soil and sample as necessary.
	11	Sanitary System & Slop Sink	Slop sink had evidence of staining and discharges to sanitary system and paint thinner usage evident. Sample associated leaching systems.
	12	Storm Drains-2	Storm drains located outside bay doors, Chemical Storage Trailer adjacent to this area. Sample each structure.
	13	Gasoline UST	UST is out of registration since 1991. Perform tightness testing and register. A former UST was removed in 1991, no information as to condition or sample results. Evaluate soil in vicinity of current UST.
	14	Chemical Storage Trailer	Various chemicals stored in trailer that is staged on soil, there is potential for mixing of chemicals and surface spills. Evaluate soil surrounding trailer.
Pool House	15	Sanitary System	Building used for storage currently. As with REC No. 1, sample primary leaching structure.
General Conditions	16	Surface Soil	Due to the age of the golf course and the usage of pesticides and herbicides, evaluation of soils around the course is recommended.
	17	Groundwater	Since the Suffolk County Department of Health Services periodically monitors groundwater quality around golf courses, it is recommended that quality be evaluated.

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1.0 INTRODUCTION

1.1 Objectives

R Squared LLC retained P.W. Grosser Consulting, Inc. (PWGC) to conduct a Phase I Environmental Site Assessment (ESA) of Island Hills Golf Club located at 458 Lakeland Avenue, Sayville, New York (Parcels 4, 6, 7 and 8). A separate ESA was performed for Parcels 1 and 2, which was primarily the parking lot for the golf course Club House and two residential dwellings. The site location is shown on Figure 1. The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions at the subject site. The work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-00 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process) and PWGC's proposal for services.

1.2 Methodology

The assessment consisted of a visual inspection of the site and surrounding areas, interviews, a review of historical information and aerial photographs, and a review of pertinent local, state, federal and facility records. Mr. Bryan A Devaux of PWGC inspected the site on April 10th and 11th, 2006. Environmental Data Resources (EDR) of Southport, Connecticut provided the following: a computerized database search of environmental compliance records of sites within an ASTM standard radius of the property, a Sanborn fire insurance map search, and historical aerial photograph search.

PWGC reviewed the environmental database report compiled by EDR as part of the assessment. The purpose of the review was to identify reported listings for the subject property or other properties in the site vicinity. Databases reviewed included federal and state lists of known or suspected contaminated sites, lists of known handlers or generators of hazardous waste, lists of known waste disposal facilities, and lists of aboveground and underground storage tanks (ASTs and USTs). PWGC's review of the database report has been incorporated into this report along with a copy of the EDR report.

1.3 Limitations

The conclusions presented in this report are professional opinions based upon the information described in this report. These opinions have been arrived at in accordance with currently accepted engineering and

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hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections, examination of records in the public domain, and interviews with individuals having information about the site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.

2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.

3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by PWGC.

4. PWGC's Phase I ESA report presents professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, or regulations, or policies of federal, state, or local government agencies. PWGC does not assume liability for financial or other losses or subsequent damage caused by or related to any use of this document.

5. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.

6. This report is based, in part, on information supplied to PWGC by third-party sources. While efforts have been made to substantiate this third-party information, PWGC cannot attest to the completeness or accuracy of information provided by others.

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7. This report was prepared for the exclusive use of R Squared LLC. PWGC assumes no liability for use of this report by any person or entity other than the client for which it was prepared.

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2.0 SITE OVERVIEW

2.1 Location

The subject property is known as Island Hills Golf Club located at 458 Lakeland Avenue, Sayville, New York. The site is located in the Town of Islip and in Suffolk County. Figure 1 illustrates the site location on the United States Geological Survey (USGS) 7.5-minute series topographic map for the Patchogue, New York quadrangle.

2.2 Site Description

The property is approximately 113 acres in size. The subject area consists of an 18-hole golf course and various buildings such as: a Club House, Pool House, Pro-Shop building, Pump House and two maintenance / bathroom buildings (Southern and Central). A paved area for the Pool House parking is located on the north side of the site. The Club House parking lot ESA was performed and documented separately for Parcels 1 and 2. Photos of the site are included in Appendix A and a site plan is shown on Figure 2.

2.3 Adjoining/Surrounding Properties

The general area is comprised of mainly residential properties. A summary of the surrounding properties is as follows:

North	Vacant lots and residential homes
South	Residential Homes
East	Residential Homes
West	Residential Homes

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3.0 HISTORICAL INFORMATION

3.1 Site History

Based upon PWGC's conversation with representatives from the Island Hills Golf Club the property has been developed as a golf course since 1927. The current pool house was the original club rental / caddy building. Briefly during World War II, the golf course was shut down and the property was used as a paratrooper training landing zone. Following World War II, the property was again operated as a golf course. There is no information available regarding the use of the property prior to 1927.

3.2 Sanborn Map Review

Environmental Data Resources (EDR) was retained to provide historical Sanborn fire insurance maps of the subject and adjacent properties. Based upon the information provided to PWGC by EDR, there is no Sanborn Map coverage for the site area. A review of the historic topographic maps for the site dating back to 1904 showed no significant changes in site topography. Copies of the topographic Maps are included in Appendix B.

3.3 Aerial Photograph Review

PWGC performed a review of readily available aerial photographs showing the subject and surrounding properties. Photographs from 1954, 1966, 1976, 1980 and 1994 were reviewed. The review is summarized as follows:

1954	The Island Hills Golf Club golf course is present. The clubhouse building appears smaller than the current structure. The current parking lot area appears to be wooded in 1954.
1966	The area appears quite similar to the current conditions with the larger clubhouse building. The parking lot appears to be cleared.
1976, 1980 & 1994	The area appears quite similar to the current conditions.

A copy of the aerial photograph search is included in Appendix C.

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3.4 Previous Environmental Reports

PWGC obtained a one page fax from the Suffolk County Department of Health Services (SCDHS) pertaining to the Island Hills Golf Club. According to their records, a groundwater monitoring well was installed at the property as part of the County's Pesticide / Herbicide monitoring program. The fax included tabulated well results from the monitoring well sampled on February 7, 2002. The information obtained from the Health Department does not indicate the well location. Based upon and review of the laboratory results, it appears that the groundwater obtained from the well was within groundwater standards for each of the sampled parameters. No evidence of this well was observed during the site inspection. John Genovesi, the golf course superintendent, was not aware their being any SCDHS monitoring wells on the site. He also indicated that the SCDHS has confused Island Hills Golf Club with other similarly named golf courses in the past, and that the results may be from another golf course. A copy of the table is included in Appendix D.

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4.0 ENVIRONMENTAL SETTING

4.1 Regional Physiographic Conditions

The topography of the site and surrounding area was reviewed from the USGS 7.5-minute series topographic map for the Patchogue, New York quadrangle. The subject property has an elevation of approximately 18 feet above the National Geodetic Vertical Datum (NGVD). The property and surrounding areas are relatively flat with some hills typical of golf courses.

4.1.1 Flood Potential

PWGC reviewed the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs) to determine if the subject property is located within the 100-year or 500-year flood zones. The FIRM showing the property (No. 36103C0688G) indicates that the entire property is located outside the 100-year and 500-year flood zones. This indicates that there is a minimal risk of flooding at the subject property.

4.1.2 Direction and Distance to Nearest Surface Water

The nearest natural surface water body is Green Creek located approximately 2,000 feet south-southeast of the property.

4.1.3 Wetland Delineation

A review of the NYSDEC Freshwater Wetland Map, Patchogue Quadrangle, indicates that freshwater wetlands are located approximately ½ mile south of the subject property and associated with the headwaters of Green Creek.

4.2 Regional Geology

The geologic setting of Long Island is well documented and consists of crystalline bedrock composed of schist and gneiss overlain by layers of unconsolidated deposits. At the subject property, bedrock occurs at an approximate depth of 1700 feet below land surface. (Suter, W De Laguna, N Perlmutter, 1949).

Immediately overlying the bedrock is the Raritan Formation, consisting of the Lloyd sand confined by the Raritan Clay Member. The Lloyd sand is an aquifer and consists of discontinuous layers of gravel, sand,

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sandy and silty clay, and solid clay. The depth to the top of the Lloyd at the site is approximately 1300 feet below land surface and the aquifer is approximately 300 feet thick. The Raritan clay occurs at approximately 950 feet below grade. The average thickness of the Raritan clay in the vicinity of the site is 350 feet. The Raritan clay is relatively impermeable, and effectively hydraulically isolates the Lloyd Aquifer from overlying aquifers. The Raritan Clay is a solid and silty clay with: few lenses of sand and gravel; abundant lignite and pyrite; and gray, red or white in color.

Above the Raritan Clay lies the Magothy Formation, which is a prolific aquifer. The Magothy Aquifer consists of layers of fine to coarse sand of moderate to high permeability, with interbedded lenses of silt and clay of low permeability resulting in areas of preferential horizontal flow. Therefore, this aquifer generally becomes more confined with depth. The depth to the top of the Magothy is approximately 90 feet below land surface and is estimated to be 860 feet thick in the area of the subject property.

The Magothy Aquifer is overlain by the Upper Glacial Aquifer. The Upper Glacial Aquifer is the water table aquifer at this location and is comprised of medium to coarse sand and gravel with occasional thin lenses of fine sand and brown clay. This aquifer extends from the land surface to the top of the Magothy and, therefore, is hydraulically connected to the Magothy Aquifer.

4.3 Soil Characteristics

Soils at the site are classified by the United States Department of Agriculture's Soil Conservation Service as Riverhead Soils, which are defined as sandy loams with moderate infiltration rates. Soils are deep, moderately well drained to well drained sands with high hydraulic conductivity and low water holding capacity. Additional information regarding the soil classification is also included in the EDR report (Appendix E, Page A-4).

4.4 Groundwater Characteristics

Based upon Suffolk County Department of Health Service (SCDHS) groundwater elevation maps and the site topography, PWGC estimates groundwater to be approximately 10 feet below grade. The regional groundwater flow direction is to the south. No public supply wells were identified within a one mile radius of the subject property.

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4.5 Radon Risk Evaluation

Radon is a colorless, radioactive; inert gas formed by the decay of radium and may be present in soils and rocks containing granite, shale, phosphate and pitchblende. USEPA's "Map of Radon Zones for New York State," September 1993 indicates that the Sayville area is not a radon risk area. The EDR report provides information from the New York State Department of Health radon survey which indicates that 98% of those sites tested in Suffolk County were below the United States Environmental Protection Agency (USEPA) radon action level of 4 Pico curies per liter (pCi/L).

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5.0 SITE INSPECTION OBSERVATIONS

5.1 Site Observations and Inquiries

Observations made during the site inspection are presented below.

5.1.1 Date and Time of Inspection

PWGC performed the site inspection on April 10th and 11th 2006 beginning at 10:00 A.M. Weather conditions during the inspection were sunny, with a temperature of approximately 60º Fahrenheit.

5.1.2 Individuals Conducting the Phase I Site Inspection

Mr. Bryan Devaux conducted the site inspection. Mr. Devaux is an experienced professional in the field of environmental compliance, Phase I and II environmental site assessments and related environmental investigations.

5.1.3 Site Representatives Present During the Inspection

Mr. John Genovesi, the golf course superintendent, was available for questioning during the inspection of the course property. PWGC also met with another golf course operations representative to gain access to the pool house and the basement beneath the northern section of the clubhouse.

5.1.4 Inspection Process

The site inspection consisted of an inspection of key site locations, such as buildings and maintenance areas, followed by a walkthrough of the site.

5.1.5 Surface Access and Egress

The site is located on the west side of Lakeland Avenue. Public access to the property is via Lakeland Avenue. Additional overflow parking is present at the intersection of Eleventh Avenue and Lakeland Avenue. Access to the south maintenance is made by way of Bohemia Parkway.

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5.1.6 Variations in Surface Vegetation

The site predominately consists of the course area. No signs of stressed vegetation were observed.

5.1.7 Water Bodies

Two ponds are present on the 18th hole of the course, adjacent to the driving range. Both lakes are rather small (< 0.25 acre each). The ponds are man made and have an impermeable barrier at the base to prevent infiltration.

5.1.8 Railroad Spurs and Electrical Transmission Lines

No rail lines are present on or in the vicinity of the site. Electric lines run above ground along Lakeland Avenue as well as the other surrounding roads. At several locations through the center of the course, running in a north south direction, PWGC observed several above small utility junction boxes. Based upon the warnings on the boxes, it appears they are related to an underground electric line which runs beneath the course.

5.2 Water Supply and Wastewater Disposal

Drinking water is supplied to the property by the Suffolk County Water Authority. An irrigation well and pump house is present on the western side of the property to provide irrigation water to the course. Several sanitary waste water systems were observed on the property. A summary of those systems is as follows:

- *Club House* – PWGC noted three sanitary systems that are located on the north side of the building and are related to the bar/restaurant, the men's locker room and the woman's locker room. During the ESA for Parcels 1 and 2, PWGC noted two onsite sanitary systems in the main parking lot area, on the east side of the Club House building. A Phase II investigation was performed relative to sanitary structures located in the parking lot and is documented by PW Grosser Consulting, Inc. in a phase II report dated April 6, 2006.
- *Pro-Shop* – PWGC observed two manhole covers south of the building and are believed to be related to the Pro-Shop's sanitary system. During the inspection of the building, PWGC observed a sanitary vent in the center of the building. Due to the distance between this vent and the suspected sanitary

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system south of the building, it is possible that an additional sanitary system is associated with the Pro-Shop.

- *South Maintenance Building* – An employee bathroom, slop sink, and public bathroom are present in this building. Signs of improper disposal of chemicals were evident in the slop sink. Discharges from this building are to a sanitary system reported to be located south of the building. No covers were observed at grade.
- *Central Maintenance Building* – This building contained storage areas for sprinkler equipment and two public bathrooms. The bathrooms discharged to a sanitary system located northeast of the building. One sanitary cover was observed at grade.
- *Pool House* – PWGC observed a potential sanitary system cover on the north side of the Pool House.

Sanitary structures that discharge directly to subsurface soils pose a potential environmental concern because they provide a pathway for impacts to the subsurface, and are classified as Class V injection wells under the USEPA's Underground Injection Control (UIC) program and are over seen locally by the SCDHS. Due to the potential for these structures to become impacted, PWGC recommends sampling the primary leaching structure of each of the seven systems for the parameters specified in SOP 9-95 of Article 12 of the SCDHS sanitary code. PWGC also recommends that the Pro-shop be further inspected to determine if additional sanitary structures are present relative to the vent noted inside the building.

In the garage building, PWGC observed a maintenance pit in the south garage bay. Such pits can act as a conduit for impact to reach the subsurface if they do not have a sealed base. According to the course superintendent, the structure was sealed several years ago. PWGC recommends inspecting the structure and collecting samples if the inspection indicates that the pit had the potential to impact the sub surface.

5.3 Storm Water Disposal

Storm drains and floor drains that discharge directly to subsurface soils pose a potential environmental concern because they provide a pathway for impacts to the subsurface. These structures are classified as Class V injection wells under the USEPA's Underground Injection Control (UIC) program.

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Stormwater discharges from the main and Pool House parking lots are handled by several stormdrains and associated overflow pools located within the parking lot. No signs of staining or impact were observed in the vicinity of the drains.

PWGC observed two stormdrains in the vicinity of the south maintenance building. Due to the nearby storage of petroleum products, pesticides and herbicides, PWGC recommends sampling of these structures as per SOP 9-95.

PWGC also observed two stormdrains within the golf course area. Since these two stormdrains represent low points in the course where contaminants may have accumulated, PWGC recommends sampling of these structures. Stormwater discharge on the remainder of the property is handled by infiltration.

5.4 Aboveground Storage Tanks

PWGC observed two Aboveground Storage Tanks (ASTs) at the subject property. One tank is a 300 gallon diesel tank and is located in the south maintenance area. The tank is contained within a secondary containment structure and no signs of leaks were observed. The second tank is located to the east of the Pro -Shop. The tank was sitting directly on soil. The tank is 550 gallons in size and contains fuel oil. No signs of leaks were observed in the vicinity of the tank. Since the tank was sitting directly on soil, PWGC recommends collection of a soil sample from beneath the tank.

5.5 Underground Storage Tanks

PWGC observed the vent and fill of an Underground Storage Tank (UST) in the south maintenance area. The vent and fill are associated with a 1,000-gallon gasoline tank. Records indicate that the UST is constructed of fiberglass and the registration has expired, indicating the tank is out of compliance with the SCDHS.

During the inspection of the Pro-Shop, PWGC observed a pipe on the west side of the building which could potentially be associated with a tank fill. PWGC also observed a pipe which appeared to be a typical fuel oil UST vent inside the Pro-Shop. PWGC recommends tracing the lines and perform a magnetometer survey in the vicinity of the tanks in order to determine if a tank is present in the vicinity of the Pro-shop.

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5.6 Hazardous and Non-Hazardous Waste Storage and Disposal

PWGC observed some chemical storage at various locations throughout the property. A summary of the findings by location follows:

- *Club House* – PWGC observed some typical household cleaning products in various storage areas throughout the building. PWGC also observed several containers of acid based degreasers in the kitchen.
- *South Maintenance Building* – Most of the chemical storage for the golf course was in this area. In the south maintenance building, PWGC observed storage of petroleum products including drums of motor oil, and lubrication oil, and 5-gallon pails of waste oil. According to John Genovesi, the waste oil is taken to a disposal facility, but he was unable to provide the name of the facility at the time of the inspection. PWGC also observed a parts washer within the garage. The parts washer was maintained by Safety-Kleen. Waste manifests were not provided to PWGC. PWGC also observed smaller quantities of other chemicals such as paint and paint thinner in the building. A 200 gallon disposable poly tank of liquid fertilizer was also present in the maintenance building.
- *South Maintenance Chemical Storage Trailer* - The course maintenance chemicals are stored in a dedicated locked storage trailer located to the north of the South Maintenance Building. The trailer is staged on soil and is located at the edge of a concrete slab. At the time of the inspection PWGC observed the following products in the trailer:

Product	Use
Primo Maxx	Plant Growth Regulator
Banner Maxx	Fungicide
Micro $CaSO_4$	Gypsum Fertilizer
Embark	Plant Growth Regulator
Merit 75 WSP	Insecticide
Bayleton 50 WSP	Fungicide
Compass	Fungicide
Azoxystrobin	Fungicide
Daconil Ultrex	Fungicide
26 GT	Fungicide
Barricade .29	Fertilizer / Pre-emergent weed presenter
Touché EG	Fungicide

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- *Pool House* – PWGC observed eight five gallon pails of pool chlorine in the pump room of the building. There was no evidence of spills from the containers.

Additional products may be used at the site on a seasonal basis and were not present at the time of the inspection. PWGC was not given access to the site Material Safety Data Sheets (MSDS) book for the site which should contain MSDS forms for all the products used at the site. Due to the proximity of exposed soils in the vicinity of the storage trailer, PWGC recommends collection of a surface soil sample from this location.

5.7 Radioactive Materials

No obvious radioactive materials (labeled containers or equipment) were observed on the property or in the building at the time of the site visit.

5.8 Landfills, Dumps, or Direct Burial Activities

In the course of the inspection, PWGC observed a debris area in a wooded section of the course in the vicinity of Holes 1 and 2. Further inspection of the debris revealed the remains of several metal 55 gallon drums. Most of the drums were in poor condition and were no longer capable of holding liquids. One of the drums had been tipped over on its side and it was half full of liquid. A plastic 55 gallon drum was also located in the area. This drum was nearly full of an unknown liquid. None of the drums were labeled so PWGC was unable to determine the contents of the drums. PWGC recommends collecting samples from the general area in order to determine if the drums have impacted the surrounding soils.

In the vicinity of Holes 13 and 16, PWGC observed a soil and landscaping debris area. PWGC observed two debris piles which were approximately 200-300 yards in size. PWGC recommends collection of a sample in the vicinity of these piles in order to determine whether illegal dumping has occurred in this area.

5.9 Polychlorinated Biphenyls (PCBs)

PWGC observed a large transformer south of the clubhouse building. Typically, such transformers are owned by the Long Island Power Authority (LIPA). According to information provided by LIPA, all of their transformers have been upgraded and no longer contain PCBs. PWGC did find evidence of staining on the

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concrete pad and the surrounding soils adjacent the transformer. PWGC recommends sampling the stained soil for PCBs.

5.10 Air Emissions

There was no evidence of air emissions on the subject property.

5.11 Asbestos

PWGC observed no friable asbestos material in any of the buildings. Due to the age of the buildings, it is likely that potential asbestos containing material (PACM) is present within the buildings. Materials which are in good condition and are not likely to release fibers may remain. Friable and damaged materials should be removed.

Thermal insulation, surfacing materials, and vinyl/asphalt floor materials installed before 1981 are presumed to contain asbestos. Should future plans for the property include demolition of the existing structures, removal of asbestos containing material may be required prior to demolition.

5.12 Lead-Based Paint (LBP)

The Consumer Product Safety Commission banned the manufacture of lead based paint for residential and commercial applications in 1978. Federal regulations enforced the ban in 1993. Since the buildings were built before the 1978 ban went into effect, it is likely that lead based paint is present in the buildings. PWGC observed some peeling paint in the Central Maintenance Building and Pool House. If peeling paint if found within the building, it should be properly removed or repaired.

5.13 Mold

As part of the assessment, PWGC performed a limited visual inspection for the presence of mold. A class of fungi, molds have been found to cause a variety of health problems in humans, including allergic, toxicological, and infectious responses. Molds are decomposers of organic material, and thrive in humid environments. Molds produce spores to reproduce, just as plants produce seeds. When mold spores land in a damp location indoors, they may begin growing and digesting whatever they are growing on to survive. When excess moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture

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problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations for mold growth. Building materials including drywall, wallpaper, baseboards, wood framing, insulation, and carpeting often play host to such growth. Moisture control is the key to mold control. Mold needs both food and water to survive; since mold can digest most things, water is the factor that limits mold growth.

The EPA recommends the following action to prevent the amplification of mold growth in buildings.

- Fix leaky plumbing and leaks in the building envelope as soon as possible.
- Watch for condensation and wet spots. Fix sources of moisture as soon as possible.
- Keep heating, ventilation and air conditioning (HVAC) drip pans clean, flowing properly and unobstructed.
- Vent moisture generating appliances, such as dryers outside when possible.
- Maintain low indoor humidity, below 60% when possible.
- Perform regular building / HVAC inspections.
- Clean and dry wet or damp spots within 48 hours.
- Don't let foundations stay wet, provide drainage and slope ground away from the foundation.

The site inspection revealed the presence of mold in two locations:

- *Club House* – PWGC observed some water damaged drywall and potential mold growth in a storage room located between the kitchen and the catering hall. The source of the water damage is likely a roof leak. PWGC recommends repair of the roof leak and removal of the suspected mold damaged materials.
- *Pool House* – Significant mold growth was observed in the bathroom and snack bar areas of the pool house. This building is in severe disrepair with several water leaks. Due to the condition of the building it is no longer occupied and is only used to store the poolside chairs. PWGC recommends that the roof leaks be repaired and mold damaged building materials be removed or repaired if future plans for the property include repair of the pool house bathrooms and snack bar.

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6.0 REGULATORY AGENCY REVIEW

6.1 Regulatory Database Search/Review

Environmental Data Resources (EDR) of Southport, Connecticut was retained to provide a computerized database search of the project area within an ASTM-standard radius of the subject property. A list of the databases searched and the search radius is shown on the summary table below. PWGC reviewed the database output to determine if the property appears on any of the regulatory agency lists. Detailed information concerning each database list is provided in the EDR report (Appendix C).

6.1.1 Federal Databases

The table below summarizes the Federal databases that were searched.

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
USEPA	National Priorities List Report	NPL	1.0 mile
USEPA	Comprehensive Environmental Response Compensation and Liability Act Registry	CERCLIS	0.5 mile
USEPA	Resource Conservation and Recovery Act Treatment/Storage/Disposal Facilities	RCRIS TSD	0.5 mile
USEPA	Resource Conservation and Recovery Act Small/Large Quantity Hazardous Waste Generators	RCRIS SQG/LQG	0.25 mile
USEPA	Corrective Action Reports	CORRACTS	0.5 mile
USEPA	Facility Index System Database	FINDS	0.5 mile
USEPA	Emergency Response Notification System	ERNS	Target Site
USEPA	Superfund (CERCLA) Consent Decrees	CONSENT	1.0 mile
USEPA	Records of Decision	ROD	1.0 mile
USEPA	Mines Master Index	MINES	0.25 mile

National Priority List

The National Priority List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the federal Superfund Program.

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Neither the subject property nor any property within 1 mile of the subject property is listed as a NPL facility.

CERCLIS

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

Neither the subject property nor any property within ½ mile of the subject property is listed as a CERCLIS facility.

RCRA Treatment, Storage and Disposal

The EPA Resource Conservation and Recovery Act (RCRA) program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Treatment, Storage and Disposal (TSD) database is a compilation of reporting facilities that treat, store or dispose of hazardous waste.

Neither the subject property nor any property within ½ mile of the subject property is listed as a RCRA TSD site.

RCRA Generators

The RCRA Generators database is a compilation of reporting facilities that generate hazardous waste. A Small Quantity Generator (SQG) is a site which generates more than 100 and less than 1,000 kg of hazardous waste during any one calendar month and accumulates less than 6,000 kg of hazardous waste at any time; or a site which generates less than 100 kg of hazardous waste during any one calendar month and accumulates less than 1,000 kg of hazardous waste at any time. Large Quantity Generators (LQG) are those facilities that generate more that 1,000 kg of hazardous waste per month.

Neither the subject property nor any property within ¼ mile of the subject property is listed as a RCRA SQG or RCRA LQG site.

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RCRA CORRACTS

The RCRA Corrective Actions (CORRACTS) database is the EPA's list of hazardous waste treatment, storage or disposal facilities subject to corrective action under RCRA.

Neither the subject property nor any property within ½ mile of the subject property is listed as a RCRA CORRACTS site.

Emergency Response Notification System

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil or hazardous substances.

No ERNS incidents were listed for the subject property.

Superfund Consent Decrees

The Superfund Consent Decrees (CONSENT) list identifies major legal settlements that establish responsibility and standards for cleanup at NPL sites.

Neither the subject property nor any property within one mile of the subject property is identified on the CONSENT list.

Records of Decision

Record of Decision (ROD) documents mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup.

Neither the subject property nor any property within one mile of the subject property is identified in the ROD database.

Master Mines Index

The Master Mines Index (MINES) file contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

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Neither the subject property nor any property within ¼ mile of the subject property is listed in the MINES database.

6.1.2 New York State Databases

The table below summarizes the State databases that were searched

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
NYS DEC	Inactive Hazardous Waste Disposal Sites in New York State	SHWS	1.0 mile
NYS DEC	Solid Waste Facility Register	SWF	0.5 mile
NYS DEC	Leaking Underground Storage Tank Sites	LTANKS	0.5 mile
NYS DEC	Petroleum Bulk Storage (PBS) - Underground Tanks	UST	0.25 mile
NYS DEC	Chemical Bulk Storage	CBS	0.25 mile
NYS DEC	Major Oil Storage Facilities	MOSF	0.5 mile
NYS DEC	Voluntary Cleanup Agreements	VCP	0.5 mile
NYS DEC	Registered Recycling Facilities	SWRCY	0.5 mile
NYS DEC	Registered Waste Tire Storage Facilities	SWTIRE	0.5 mile
NYS DEC	Hazardous Substance Waste Disposal Site Study	HSWDS	0.5 mile
NYS DEC	Petroleum Bulk Storage (PBS) - Aboveground Tanks	AST	Target Site
NYS DEC	New York State Spills	NYSPILLS	0.125 mile

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New York State Inactive Hazardous Waste Disposal Sites

The New York State Department of Environmental Conservation (NYSDEC) maintains a state priority list of Inactive Hazardous Waste Disposal Sites (SHWS) considered to actually or potentially contaminated and presenting a possible threat to human health and the environment.

Neither the subject property nor any property within 1 mile of the subject property is listed as a SHWS site.

Solid Waste Facility Register

The NYSDEC Solid Waste Facility Register (SWF) records contain an inventory of solid waste disposal facilities or landfills in New York State.

Neither the subject property nor any property within ½ mile of the subject property is listed on the SWF Register.

Leaking Underground Storage Tank Sites

The Leaking Underground Storage Tank Sites (LTANKS) database contains a NYSDEC inventory of reported leaking storage tank incidents. The causes of the incidents are tank test failures, tank failures or tank overfills.

The subject property is not listed as a LTANKS site. Six (6) LTANK sites were identified within ½ mile of the subject property. All six (6) sites have been issued no further action letters by the NYSDEC and, therefore, are unlikely to impact the environmental quality of the subject property.

Petroleum Bulk Storage – Underground Tanks

The NYSDEC Petroleum Bulk Storage – Underground Tanks (UST) database lists facilities with a petroleum storage capacity of more than 1,100 gallons and less than 400,000 gallons.

The EDR report identifies the Island Hills Golf Club property as a UST site. The EDR lists two USTs (one active and one removed) at the site which contain gasoline. The 1,000-gallon active tank corresponds with

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the known gasoline tank observed and according to the EDR report the permit expired in 1991. The former 2,000 gallon UST was listed as being removed in 1986. Sites having a UST do not necessarily pose a hazard unless the tanks are leaking or a spill occurs.

Chemical Bulk Storage

The Chemical Bulk Storage (CBS) database is a NYSDEC list of facilities that store regulated hazardous substances in underground tanks of any size.

Neither the subject property nor any property within ¼ mile of the subject property is listed in the CBS database.

Major Oil Storage Facilities

The NYSDEC Major Oil Storage Facilities (MOSF) database lists facilities or vessels with a petroleum storage capacity of more than 400,000 gallons.

Neither the subject property nor any property within ½ mile of the subject property is listed as a MOSF site.

Voluntary Cleanup Agreements

The NYSDEC Voluntary Cleanup Program (VCP) database identifies brownfield sites undergoing private sector cleanup as part of redevelopment.

Neither the subject property nor any property within ½ mile of the subject property is listed as a VCP site.

Registered Recycling Facilities

The Registered Recycling Facilities List (SWRCY) is a NYSDEC summary of recycling facilities.

Neither the subject property nor any property within ½ mile of the subject property is listed as a SWRCY site.

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Hazardous Substance Waste Disposal Site Study

The Hazardous Substance Waste Disposal Site Study (HSWDS) list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the HSWDS registry and non-registry sites that EPA Preliminary Assessment reports or Site Investigation reports were prepared.

Neither the subject property nor any property within ½ mile of the subject property is listed as a HSWDS site.

Petroleum Bulk Storage – Aboveground Tanks

The EDR report identifies the Island Hills Golf Club property as an AST site. Two of the three tanks that were identified on the EDR have been removed while the other tank has a permit that has expired. The active tank which is listed corresponds with the diesel AST which was observed in the South Maintenance area.

New York State Spills

The New York State Spills Information Database (NYSPILLS) contains data collected on spills reported to NYSDEC since April 1, 1986.

Neither the subject property nor any property within $^1/_8$ mile of the subject property is listed as a Spills site.

6.1.3 EDR and Brownfield Databases

The table below summarizes the EDR and Brownfield databases that were searched.

Agency	Listing Name or Database Searched	Abbreviation	Search Distance
EDR	Dry Cleaner Sites	HDC	0.25 mile
EDR	Manufactured Gas Plants	CGS	1.0 mile
USEPA	Brownfields	BF	0.5 mile

The EDR report indicates that neither the subject property nor any property within the appropriate ASTM search distances appears on the two EDR or Brownfield databases searched.

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6.2 Freedom of Information Act (FOIA) Requests

FOIA requests were sent to the United States Environmental Protection Agency, Region II (USEPA), the New York State Department of Environmental Conservation, Region I (NYSDEC), the Suffolk County Department of Health Services (SCDHS), and the Town of Islip. At the time of the completion of the report, PWGC received replies from the SCDHS and the USEPA indicating that no files were present. PWGC received no response from the NYSDEC or the Town of Islip. PWGC has made additional attempts to obtain additional records for the site. If additional files become available and provide pertinent information, PWGC will prepare an addendum to the report documenting the findings. Copies of the FOIA request and replies are included in Appendix F

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7.0 PHASE I FINDINGS

Recognized environmental conditions (REC) were identified as a result of the site inspection (April 10 and 11, 2006), records review, file searches and interviews. A summary of the conditions are provided below:

Area	REC No.	REC	Comments/Recommendation
Club House Building	01	Sanitary Systems-3	Sample each system primary structure due to age of golf course (1927), potential pesticide herbicide usage and sample results from other sanitary system.
Club House Vicinity	02	Oil Stained Pad & Transformer	Since staining trended off pad to soil, evaluate soil for PCB contamination.
Pro-Shop Building	03	AST Staged on Soil	Fuel oil AST not installed to code and staged on soil. Evaluate soil for petroleum impact.
	04	Sanitary System(s)	Due to the sanitary vent interior to the building, a second system may be associated with the building. Investigate line to determine discharge point. As with REC No. 1, sample each system primary.
	05	UST	A suspected UST fuel oil vent is located inside the building. Locate UST and determine if removed or properly abandoned and evaluate soil as necessary.
Green	06	Storm Drains-2	Two storm drains located at low point on course, potential for accumulation of contaminants. Sample each structure.
	07	Landscape Debris & Waste Drums Area of Holes 1 & 2	Drums in various stages of decay, some with standing liquid that are improperly stored. Evaluate soils in area.
	08	Landscape Debris Piles Holes 13 & 16	Landscape debris stockpiled, evaluate soil.
Central Maintenance Building	09	Sanitary System	Building used for storage of sprinkler supplies and bathrooms are present. As with REC No. 1, sample each primary structure.
S. Maintenance Building	10	Maintenance Pit	Maintenance pit inside building used for repairs of equipment. Evaluate if pit has the potential to impact soil and sample as necessary.
	11	Sanitary System & Slop Sink	Slop sink had evidence of staining and discharges to sanitary system and paint thinner usage evident. Sample associated leaching systems.
	12	Storm Drains-2	Storm drains located outside bay doors, Chemical Storage Trailer adjacent to this area. Sample each structure.

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Area	REC No.	REC	Comments/Recommendation
	13	Gasoline UST	UST is out of registration since 1991. Perform tightness testing and register. A former UST was removed in 1991, no information as to condition or sample results. Evaluate soil in vicinity of current UST.
	14	Chemical Storage Trailer	Various chemicals stored in trailer that is staged on soil, there is potential for mixing of chemicals and surface spills. Evaluate soil surrounding trailer.
Pool House	15	Sanitary System	Building used for storage currently. As with REC No. 1, sample primary leaching structure.
General Conditions	16	Surface Soil	Due to the age of the golf course and the usage of pesticides and herbicides, evaluation of soils around the course is recommended.
	17	Groundwater	Since the Suffolk County Department of Health Services periodically monitors groundwater quality around golf courses, it is recommended that quality be evaluated.

Due to the age of the buildings, it is likely that potential asbestos containing material is present within the buildings. Materials which are in good condition and are not likely to release fibers may remain. Friable and damaged materials should be removed.

As with asbestos, since the buildings were built before the 1978 ban of lead based paint, it is likely that lead based paint is present in the buildings. PWGC observed some peeling paint in the Central Maintenance Building and Pool House. If peeling paint if found within the building, it should be properly removed or repaired.

Mold was identified in two buildings, the Club House and the Pool House. Molds are a class of fungi and have been found to cause a variety of health problems in humans, including allergic, toxicological, and infectious responses. Water damaged drywall and potential mold growth in a storage room located between the kitchen and the catering hall was noted during the inspection. The source of the water damage is likely a roof leak. PWGC recommends repair of the roof leak and removal of the suspected mold damaged materials. There was significant mold growth observed in the bathroom and snack bar areas of the pool house. The Pool House building is in severe disrepair with several water leaks.

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PHASE II

Island Hills Golf Club
Sayville, New York

Prepared for:

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July 2006

EXECUTIVE SUMMARY

A Phase II investigation was performed to address the 15 Recognized Environmental Conditions (RECs) identified in the Phase I Environmental Site Assessment ("ESA") for the Island Hills Golf Course, Sayville, New York. The site was operated as a golf course from 1927 and has a high potential for historical usage of pesticides and herbicides; therefore an assessment of general site conditions, soil and groundwater, was performed. The Phase II investigation identified significant soil contamination in surface soil and within leaching structures which warrant further investigation and/or remedial action. In addition, environmental compliance issues relative to storage tanks and closures were identified.

Surface soil sample results exceeded regulatory criteria at 29 of the 30 locations around the site for semi volatile organic compounds (SVOCs), metals, and/or pesticides; in some cases the exceedances were as much as 100 times the regulatory level. Based upon these exceedances it is recommended that regulatory officials be engaged to determine the extent of remedial action that may be required. Since significant contamination of SVOCs, metals and pesticides is widespread and higher concentrations may be present, we recommend the installation of groundwater monitoring wells and sampling to determine whether groundwater quality has been impacted. In addition, at a minimum, preparation and implementation of a Site-Specific Soil Management Plan (SMP) is recommended for the Island Hills Golf Course to protect workers, guests and prevent the spread of contamination. The SMP should be accompanied by a Site Specific Health and Safety Plan to communicate hazards, protect workers and outline annual training requirements.

Concentrations of contaminants exceeded regulatory levels and warrant remediation at five of ten locations relative to structures that fall under the US Environmental Protection Agency's (EPA) Underground Injection Control (UIC) Program; locally UICs are under the jurisdiction of the Suffolk County Department of Health Services (SCDHS). These results were identified at five locations; two associated with the Club House and three relative to the South Maintenance Building: sanitary leaching structure, maintenance pit and storm drain. Based upon these results, remediation by removal of sediments is warranted and should be performed in accordance with SCDHS protocol.

Proper closure of below grade structures and compliance with waste drum storage and storage tank regulations is necessary. Based upon site conditions it is likely that there is a former sanitary structure associated with the Pro-Shop and it is recommended that this structure be located, sampled and properly closed in accordance with SCDHS protocol. In addition, it is recommended that the waste drums in the landscape debris area and their contents be properly characterized and disposed and a SCDHS compliant staging area be established. There are three issues associated with petroleum storage relative to the support buildings that require action. On-site petroleum storage tanks are not in compliance and require registrations as well as upgrades. Also there is an inactive underground storage tank located inside the Pro-Shop, beneath the concrete floor in the golf cart storage area that should be registered and properly abandoned. In addition, relative to the Pro-Shop there is a fuel oil above ground storage tank that does not comply with SCDHS requirements and it is recommended the tank be upgraded.

The sanitary system associated with the Central Maintenance Building was not been sampled due to a broken cover. Four sanitary structures associated with the Club House were not sampled due to site access limitations. It is recommended that these structures be sampled once access is granted. The Central Maintenance Building may have been a storage location for chemicals and pesticides, indicating a

moderate potential for contamination. In addition, the Club House septic tank sample reported concentrations in excess of SCDHS criteria and it is expected that this structure was periodically maintained, reducing contaminant levels. Conversely, the four associated leaching pools do not have covers to grade and would not have been maintained and therefore has a higher potential to have accumulated contaminants that would likely require remediation.

Groundwater sample results indicate concentrations met applicable regulatory criteria, with the exception of metals. Metals exceeded the groundwater standards in all six locations. To determine if groundwater quality has been impacted by on-site activities we recommend further groundwater monitoring.

To rectify environmental compliance issues as well as address environmental conditions that warrant further investigation and remedial action, costs were compiled. The estimated costs along with the major assumptions are summarized in the following table.

No	Issue	RECs	Cost	Comments/Assumptions
1	Environmental Compliance	03, 07, & 13	$10,000 -- $12,500 Plus Fines $12,000	UST Registrations and upgrade AST. In addition to filing the registrations and fees, the SCDHS has been issuing fines for lapsed registrations. Upgrade Pro-Shop fuel oil AST. Disposal of waste drums and their contents: assume no process knowledge, characterization of standing liquid, disposal of three drums of non-hazardous liquid, 2 days to complete drum removal and disposal of 10 empty drums.
2	UST Abandonment	05	$6,000 -- $8,000	Fuel oil UST abandonment. Assumes 1-550 gallon UST, 1 day to complete, no liquid present, one drum of sludges, sample below UST with no contamination, backfill with clean sand and UST closure report.
3	UIC Remediation / Closure	01, 04A, 09, 10, 11, & 12	$40,000 – $50,000	UIC Remediation: 10 structures - Club House systems: SS-1, SS-3 septic tank and 4 UIC structures (not sampled), Central Maintenance Bldg SS-5 (not sampled) S. Maintenance Building: maintenance pit, sanitary structure SS-6 and storm drain SD-4. Assumes removal of sediments effective and clean endpoint samples obtained. UIC Closure: Locate & sample former Pro-Shop Sanitary (SS-4A)-assume results do not warrant cleanout, obtain SCDHS approval to backfill clean sand and obtain closure.
4	Surface Soil Contamination	16	$6,750,000 -- $7,750,000	Surface Soil Remedial Action: assume excavate to 0.5 feet across site with off-site disposal and backfill.
5	Groundwater Quality	17	$60,000 -- $75,000	Groundwater Monitoring: installation of 10 groundwater monitoring wells with four rounds of samples and assume no groundwater remediation is warranted.

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1.0 INTRODUCTION

The Phase II investigation conducted at Island Hills Golf Course (IHGC), Sayville, New York, was based upon the recognized environmental conditions (RECs) discussed in the Phase I Report. The Phase II was intended to further assess the 15 RECs as well as general site conditions throughout the course. Field activities were performed in May 2006 and a total of 48 samples were collected (42 soil and 6 groundwater) and sample results indicate further investigation and/or remedial action is warranted.

In addition, due to site access limitations, five leaching structures were not sampled; one associated with the Central Maintenance Building and four relative to the Club House.

1.1 Site Description

The subject property is known as Island Hills Golf Club located at 458 Lakeland Avenue, Sayville, New York. The site is located in the Town of Islip and in Suffolk County. The property is approximately 113 acres in size. The subject area consists of an 18-hole golf course and various buildings:

- Club House
- Pool House
- Pro-Shop
- Pump House
- Central Maintenance / Bathroom Building
- Southern Maintenance / Bathroom Building.

A paved parking area for the Pool House is located on the north side of the site. Another main parking area for the Club House and golf course is located on the East side of the site, which P.W. Grosser Consulting, Inc. (PWGC) evaluated and documented under a separate Phase I Environmental Site Assessment (ESA) for Parcels 1 and 2, in April 2006.

2.0 PHASE II ACTIVITIES

Phase II activities included evaluating systems and collecting sediment, soil, and groundwater samples. Table 1 summarizes the 15 RECs and sample identifications. System evaluations consisted of tracing lines

to determine locations of underground storage tanks (USTs) and sanitary systems. Sampling activities included surface soil, subsurface soil, sediment from leaching structures (sanitary and storm drains), and groundwater sampling. A PWGC Field Hydrogeologist was on-site to document field activities and to perform sample collection.

2.1 Soil Sampling

Soil samples were collected from various depths either manually or by a vehicle mounted unit using direct-push technology. To minimize disturbance and expedite sample collection, a direct-push unit was used to collect both surface and subsurface soil samples, unless site limitations restricted its use.

Surface soil samples were collected continuously from grade to a depth of four feet below and subsurface samples were driven to the desired depths. Subsurface samples were collected at one location, relative to the UST associated with the South Maintenance Building. Soil samples were extracted in dedicated sample liners to prevent cross contamination. Non-disposable sampling equipment was cleaned using a distilled water and Alconox detergent wash followed by a distilled water rinse prior to the collection of each sample. At each location, two samples were extracted adjacent each other to obtain sufficient sample volume. One core was archived in the event that analysis of samples from deeper depths proved to be necessary.

Soils were screened with a photoionization detector (PID) for the presence of volatile organic compounds (VOCs). Surface soil samples were collected from grade to a six-inch depth and placed in laboratory supplied glassware and stored in a cooler packed with ice for transport to Long Island Analytical Laboratories, a laboratory certified under the NYS Environmental Laboratory Approval Program. Soil samples were submitted for analysis of Suffolk County Department of Health Services (SCDHS) parameter lists, including VOCs by US Environmental Protection Agency (EPA) Method 8260, semi-VOCs (SVOCs) by EPA Method 8270, metals, pesticides and herbicides, including endrin aldehyde, toxaphene, and dacthal by EPA Method 8081, unless noted otherwise.

2.2 Leaching Structure Sampling

Leaching structures fall under the EPA's Underground Injection Control (UIC) Program. In Suffolk County these structures are under the jurisdiction of the SCDHS. Sediment samples were collected manually using a decontaminated handheld augur from the base of each leaching structure to a 6-inch depth. These samples were submitted for the same suite of analyses and analytical methods as the surface soil samples: SCDHS parameters for VOCs, SVOCs, metals, pesticides and herbicides including endrin aldehyde, toxaphene, and dacthal.

2.3 Groundwater Sampling

Groundwater samples were collected from six locations around the site. At each location, groundwater samples were collected from the water table using Geoprobe™, a direct push drilling technology. A two-foot mill-slot screen was driven to the top of the water table. Disposable polyethylene tubing fitted with a stainless steel check valve was inserted through the rods into the water bearing zone and the tubing manually oscillated extract groundwater. Purging was conducted to reduce turbidity prior to sampling. Non-disposable sampling equipment was cleaned using an Alconox detergent wash and a potable water rinse prior to the collection of each sample. The samples were placed in pre-cleaned laboratory supplied glassware and stored in a cooler packed with ice for transport to Long Island Analytical Laboratories for analysis of VOCs, SVOCs, metals, perchlorate, pesticides and herbicides. The suite of analyses was specific to golf courses and was determined based upon SCDHS' periodic monitoring of golf courses under the groundwater quality program.

3.0 PHASE II RESULTS

Results are discussed by REC number and grouped by building or area (summarized in Table 1). Samples were analyzed for SCDHS list of parameters for VOCs, SVOCs, metals, pesticides and herbicides, unless noted otherwise in the following sections and sample identifications are also provided in Table 1. To evaluate sample results, various sets of regulatory criteria were used and are:

Media	Criteria	Document
Surface/ Subsurface	Recommended Soil Cleanup Objectives (RSCOs)	New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance

Media	Criteria	Document
Soil		Memorandum No. 4046, 12/2000.
UIC Samples	SCDHS Action Levels	SCDHS Article 12 SOP No. 9-95 *Pumpout and Soil Cleanup Criteria*, 7/1998
Groundwater	NYSDEC Standards & Guidance Values	NYSDEC *Ambient Water Quality Standards & Guidance Values & Groundwater Effluent Limitations,* 6/1998.

Data were compared with the above referenced criteria in Tables 2 through 5.

UICs were sampled given the potential for introduction of contaminants from storage areas and since building usage many have varied with time, any sanitary structure was sampled and data are contained in Table 2.

Surface soil samples were collected from grade to 6 inch depth relative to RECs and to assess general soil quality conditions around the site and results are contained in Table 3. Soil samples were collected relative to petroleum storage tanks and results are contained in Table 4. To assess groundwater quality around the site and determine if an on-site source of groundwater contamination exists, groundwater samples were collected and results are presented in Table 5. Copies of the data sheets for soil and groundwater samples are contained in Appendices A and B, respectively.

In summary, the Phase II has identified environmental compliance issues as well as environmental conditions warranting further investigation and remedial action. UIC sampling indicates remedial action is warranted relative to five of 10 structures sampled. Environmental compliance issues were identified relative to UICs as well as storage tanks. Surface soil sample results exceeded regulatory limits at 29 of the 30 locations around the site. Based upon these exceedances it is recommended that regulatory officials be engaged to determine the extent of remedial action that may be required. Since significant contamination of SVOCs, metals and pesticides is widespread and higher concentrations may be present, we recommend the installation of groundwater monitoring wells and sampling to determine whether groundwater has been impacted. In addition, preparation and implementation of a Site-Specific Soil Management Plan (SMP) is recommended for the entire Island Hills Golf Course. The SMP should detail soil management practices in areas identified with soil contamination whenever earthwork is performed; the SMP is discussed in Section 4.0. The SMP should be accompanied by a Site Specific Health and Safety

Plan to communicate hazards, protect workers and outline annual training requirements. Sample result details are provided in the following sections by building or area and REC number.

3.1 Club House Building

There were two RECs identified relative to this building or its immediate vicinity, REC-01 (sanitary system UICs) and REC-02 (transformer and pad oil staining). Based upon the results further investigation and remedial action is warranted for the sanitary systems, REC-01.

3.1.1 REC-01 Sanitary System, UIC

There was one REC identified for the Club House relative to sanitary systems. Based upon the Phase I three separate systems were believed to be present at the Club House. After further evaluation it was determined that there were only two systems, SS-1 and SS-3; SS-3 had four below grade structures that we were not permitted to sample, refer to Figure 1 for locations. Sampling details and results are discussed in the following paragraphs.

Sanitary system SS-1 was located northwest of the clubhouse and consisted of a primary and secondary leaching pool, labeled SS-1 and SS-1-OF, respectively. Leaching pool SS-1 was constructed of eight-foot diameter pre-cast concrete rings. It had a soil bottom approximately 16 feet below grade and contained approximately seven feet of water and sludge. SS-1-OF was also constructed of eight-foot diameter pre-cast concrete rings, with a soil bottom approximately 20 feet below grade, and contained no water. A sample was collected from SS-1 and submitted for laboratory analysis.

Sanitary system SS-3 was located northeast of the clubhouse and consisted of a septic tank and a distribution box which connected directly to four leaching pools (SS-3A through SS-3D). There was no accumulation of sediment in the distribution box. Septic tank SS-3 was a solid concrete structure with a solid bottom approximately nine feet below grade surface. It contained approximately five feet of water and sludge. The septic tank connected to the distribution box which was constructed of three-foot diameter solid pre-cast concrete rings with a solid bottom approximately five feet below grade surface. Four pipes exited the distribution box approximately four feet below grade surface, connecting to four leaching pools.

A remote tracing device was used to locate the four below grade structures, SS-3A through SS-3D, which will require excavation for sampling. Site disturbance during golf season is not permitted and sampling of these structures was not performed. However, a sample was collected from the septic tank, SS-3.

Samples were submitted for analysis of SCDHS parameter lists and results are contained in Table 2.

The concentration of lead in SS-1 was 392 mg/Kg, which is essentially equivalent to the SCDHS Action Level of 400 mg/Kg. Other parameters were either not detected or were detected at concentrations below applicable SCDHS Action Levels.

Chlorobenzene was reported at 9,720 ug/Kg for SS-3, which is in excess of the Action Level of 3,400 ug/Kg.

Based upon the results for SS-1 and SS-3, it is recommended that these structures be remediated in accordance with SCDHS' protocol. In addition, to determine if the primary leaching structures for the SS-3 system have been impacted with VOCs or other contaminants, they should be sampled when access is granted.

3.1.2 REC-02 Transformer Oil Staining

Sample S-1 was collected from the soil adjacent to a transformer located on the east side of the clubhouse, see Figure 2 for location. The transformer, pad and adjacent soil were stained with oil. S-1 was submitted to the laboratory for analysis of PCBs. Results for S-1 indicate concentrations were not detectable and therefore, met RSCOs. No further action is recommended based upon the results.

3.2 Pro-Shop

Four RECs were identified relative to this building or its immediate vicinity, REC-03 (AST), REC-04 (sanitary UICs), REC-05 (UST), and REC-05A (outside storage area). Based upon the results, further investigation is warranted and regulatory officials will require remedial action.

3.2.1 REC-03 AST

A heating oil aboveground storage tank (AST) associated with the Pro-Shop is staged on soil, without secondary containment. A surface soil sample S-11 was collected and submitted for VOCs and SVOCs in accordance with NYSDEC *Spill Technology & Remediation Series*, August 1992. Results indicate concentrations of SVOCs, benzo (b) fluoranthene (138 ug/Kg) and benzo (a) pyrene (87 ug/Kg), in excess of RSCOs both of which are 61 ug/Kg. Refer to Figure 2 for location. Based upon these results, remedial action may be required by regulatory agencies and it is recommended these soils be managed in accordance with a site-specific SMP.

In addition, it is recommended that the AST be registered and upgraded to comply with SCDHS requirements.

3.2.2 REC-04 / 04A Sanitary Systems, UIC

There is one active sanitary system associated with the Pro-Shop, located outside the building to the south (REC-04) and potentially a former sanitary leaching structure or system (REC-04A).

Sanitary system SS-4, REC-04, is located south of the Pro-Shop and consisted of a primary and secondary leaching pool, SS-4 and SS-4-OF, respectively. Leaching pool SS-4 is constructed of eight-foot diameter pre-cast concrete rings. It has a soil bottom approximately 11 feet below grade and contained approximately two feet of water and sludge. SS-4-OF is also constructed of eight-foot diameter pre-cast concrete rings and has a soil bottom approximately 12 feet below grade and contained no water. Refer to Figure 1 for locations. A sample was collected from the primary pool SS-4 and submitted for analysis of SCDHS parameters and results are contained in Table 2. VOCs were below laboratory detection limits; however, concentrations of SVOCs, metals and one pesticide, chlordane were detected and met SCDHS Action Levels or RSCOs.

In addition to SS-4, there is a potential former system inside the building, REC-04A. The sanitary vent is inside the golf cart storage area and there is evidence of a concrete patch trending through the building to the south, towards to the active SS-4 system. Based upon this it is possible that an original system existed (REC-04A). Attempts to locate the structure with a tracing device were unsuccessful and trenching or a

specialized geophysical survey is recommended to locate. Once located, the system can be exposed, sampled and properly closed in accordance with SCDHS protocol.

3.2.3 REC-05 Fuel Oil UST

A fuel oil vent is located inside the Pro-Shop in the golf cart storage area. The UST was located by advancing a rod manually to locate the top of the tank that is below a concrete floor; however, the size could not be confirmed. The approximate location is presented on Figure 1. The capacity is suspected to be 550 gallons. Based upon this it is recommended the tank be registered, and properly removed or abandoned to obtain closure. Abandonment will require cutting the concrete floor, excavating to expose the tank, cutting the tank open to gain access, as well as removal and proper disposal of oil and sludge. If the UST is abandoned in place, cutting a hole through the base of the tank or installation of a monitoring well may be required by SCDHS. The UST can then be properly abandoned and a closure report submitted. If a monitoring well is required, groundwater monitoring will be necessary for a period of time (at a minimum one year).

3.2.4 REC-05A Outside Storage Area

A small area of mounded soil on the east side of the Pro-Shop along the fence is used for improper storage of batteries and debris. A surface soil sample was collected, S-10, and analyzed for SCDHS parameters, VOCs, SVOCs, metals, pesticides and herbicides. Results indicate six compounds exceeded RSCOs and are summarized below as well as on Figure 2.

Parameter	RSCO	Result
Benzo (a) pyrene	61 or MDL	221
Benzo (b) fluoranthene	61 or MDL	464
Chlordane	540	3,029
Dieldrin	44	269
Heptachlor Epoxide	2 or MDL	37
Mercury	.1 or SB	0.430

Notes:

MDL – Analytical laboratory method detection limit

Based upon these results, remedial action may be required by regulatory officials and it is recommended that the soils in this area be included as part of a site-specific SMP.

3.3 Course RECs

Three RECs, REC-06 through REC-08, were identified at various locations around the course that warranted sampling. REC-06 is a UIC issue (storm drains located on the course) REC-07 and REC-08 are landscape debris areas. The REC-07 area also contained waste drums. Based upon the results, remedial action may be required by regulatory agencies. However, at a minimum it is recommended these soils be managed in accordance with a site-specific SMP.

3.3.1 REC-06 Storm Drains-UIC

Two storm drains, SD-1 and SD-2 were identified as low points on the course. These storm drains have the potential to accumulate contaminants, specifically from pesticide/herbicide applications. Refer to Figure 1 for locations. Samples from both drains were collected and analyzed for SCDHS parameters, VOCs, SVOCs, metals, pesticides and herbicides and results are contained in Table 2. There were low detections of VOCs and SVOCs in SD-1 as well as metals and chlordane in both SD-1 and SD-2. Concentrations met SCDHS Action Levels as well as the RSCOs for pesticides.

3.3.2 REC-07 Landscape Debris & Waste Drums Area of Holes 1 & 2

There is a landscape debris area that contains waste drums, in various stages of decay and some with standing liquid in the central-southeast corner of the site by Holes 1 and 2.

Soil was extracted at four locations, S-2 through S-5, and evaluated for evidence of contamination, visually and with a PID. Two samples, S-4 and S-5, were collected from locations suspected to be worst case adjacent overflowing or decaying drums and submitted for analysis. These surface soil samples were analyzed for SCDHS parameter lists for VOCs, SVOCs, metals, pesticides and herbicides and results are contained in Table 3. The locations are presented on Figure 2 with results. Concentrations exceeded the RSCOs for, chlordane, heptachlor epoxide and mercury and are summarized below.

Parameter	RSCO	S-4	S-5
Chlordane	540	**918**	144
Heptachlor Epoxide	2 or MDL	**50**	**9.237**
Mercury	.1 or SB	**3.983**	**0.884**

Notes:

Bold/Shaded Exceeds RSCO

MDL = Analytical laboratory method detection limit

Mercury concentrations in this area are 8 to 10 times the RSCO and heptachlor epoxide is 25 times the RSCO. Based upon this, remedial action may be required by regulatory agencies. However, at a minimum it is recommended these soils be managed in accordance with a site-specific SMP. In addition, the decaying waste drums and their contents require proper disposal.

3.3.3 REC-08 Landscape Debris Pile Area -- Holes 13 & 16

There were landscape debris piles with standing water near Holes 13 and 16, located on the west, central portion of the site.

One sample was collected, S-6, at a low point where there is potential for accumulation of sediments and contaminants. The surface soil sample was analyzed for SCDHS parameter lists for VOCs, SVOCs, metals, pesticides and herbicides and results are contained in Table 3. Exceedances for SVOCs, metals and pesticides are presented below and the location with results is presented on Figure 2.

Parameter	RSCO	Result
Benzo (a) pyrene	61 or MDL	**707**
Benzo (b) fluoranthene	61 or MDL	**971**
Benzo (a) anthracene	224 or MDL	**616**
Dibenzo (a,h) anthracene	14.3 or MDL	**120**
Heptachlor Epoxide	2 or MDL	**9.2**
Mercury	.1 or SB	**0.884**

Notes:

Bold/Shaded Exceeds RSCO

MDL – Analytical laboratory method detection limit

The exceedances for SVOCs, pesticides and metals in this sample ranged two to eight times the RSCO. Based upon these results, remedial action may be required by regulatory agencies and preparation and implementation of a site-specific SMP is recommended.

3.4 Central Maintenance Building

Currently, the Central Maintenance Building is used for storage of sprinkler supplies. Bathrooms are present in this building as well. Since use of the building with time may have varied, sampling of the associated sanitary system was recommended (REC-09). The primary leaching pool was located and the cover exposed by hand digging, SS-5, refer to Figure 1 for the location. Once exposed it was discovered that the concrete cover was in poor condition and collapsing. The Site Superintendent did not want to remove the cover without a replacement. We were informed that a cover was in the processes of being ordered and it was not known when it would be available. Based upon this, sampling has not been performed and is recommended.

3.5 South Maintenance Building

The South Maintenance Building is located on the southwest property boundary and five RECs were identified relative to this building and its immediate vicinity. The building and area are used for the repair and storage of equipment as well as mix chemicals. A maintenance pit, slop sink and bathrooms are also present in the building. Bay doors are present on the west side of the building and the immediate vicinity is paved.

For this area REC-10 through 12 pertain to UIC issues: the maintenance pit, sanitary system and storm drains. REC-13 and 13A are relative to active and former UST issues. REC-14 is relative to chemical mixing and storage areas. Based upon the investigation results, remedial action will be required by regulatory agencies relative to three of the four UICs. As has been seen throughout the site, surface soil concentrations in this area are also in excess of regulatory limits and may require remedial action. At a minimum, it is recommended these soils be managed in accordance with a site-specific SMP.

3.5.1 REC-10 Maintenance Pit

A maintenance pit was located inside that was sealed with a wood plank door of approximately three feet by five feet. Based upon the condition and seal it appeared that the door had not been opened in the recent past. The door was pried open and the pit found to be approximately four feet deep with a tan sand bottom. Staining was noted and a sample was collected, PIT-1, and analyzed for SCDHS parameters, VOCs, SVOCs, metals, pesticides and herbicides. Results are contained in Table 2. The approximate

location is presented on Figure 1. Concentrations of SVOCs, and metals were detected but met applicable SCDHS Action Levels. One pesticide, heptachlor epoxide, was detected at a concentration of 9.2 ug/Kg which is above the RSCO of 2.0 ug/Kg. In addition, another pesticide chlordane was detected at 510 ug/Kg which is just below the RSCO of 540 ug/Kg. Based upon these results, it is recommended that soil be removed and the maintenance pit be sealed in accordance with SCDHS protocol.

3.5.2 REC-11 Slop Sink & Sanitary System

A slop sink is present in the south east corner of the building and was stained with paint. Paint thinners were stored on the counter adjacent the sink. Based upon this the line was traced to determine the discharge receptor and sampled. Tracing determined the sink is connected to the sanitary system and the leaching structure was located. The top of the structure was approximately one foot below grade and was exposed and sampled, SS-6 (see Figure 1 for location). The sample was submitted for SCDHS parameters, VOCs, SVOCs, metals, pesticides and herbicides. Results are contained in Table 2. Concentrations of SVOCs exceeded SCDHS Action Levels. In addition, mercury and chlordane exceeded their respective criteria. Results are summarized below.

Parameter	SCDHS	RSCO	Result
Benzo (b) fluoranthene	2,200	NA	**2,568**
Chrysene	800	NA	**2,632**
Chlordane	NA	540	**12,505**
Mercury	2.0	NA	**2.039**

Notes: **Bold**/Shaded Exceeds RSCO

NA – Not available or not applicable

Based upon these results it is recommended that this structure be remediated in accordance with SCDHS protocol. In addition, any associated overflows should also be sampled to determine if impacted. At the time of sampling the liquid level in the structure was to capacity and any inlets or outlets were not visible and the potential for overflows could not be identified.

3.5.3 REC-12 Two Storm Drains

Two storm drains, SD-3 and SD-4, are located outside the building's bay doors, in a paved area (see Figure 1 for locations). Since these drains have the potential to accumulate contaminants associated with

vehicle/equipment maintenance or chemical mixing, sampling was performed. These samples were submitted for SCDHS parameter lists for VOCs, SVOCs, metals, pesticides and herbicides. Results are contained in Table 2.

Concentrations in SD-3 met applicable SCDHS Action Levels or NYSDEC RSCOs. However, concentrations in SD-4 exceeded the SCDHS Action Levels or NYSDEC RSCOs for metals and pesticides and these results are summarized in the following table.

Parameter	SCDHS	RSCO	Result SD-4
Chlordane	NA	540	**963**
Heptachlor Epoxide	NA	2.0 or MDL	**22**
Mercury	2.0	NA	**4.805**

Notes:

Bold/Shaded Exceeds RSCO

NA – Not available or not applicable
MDL-Analytical laboratory method detection limit

Based upon these results, no further action is recommended for SD-3. However, concentrations in SD-4 exceed regulatory criteria and the structure should be remediated in accordance with SCDHS protocol.

3.5.4 REC-13 Gasoline UST (Former & Active)

An active 1,000 gallon fiberglass UST is present outside the South Maintenance Building to the west, and has been out of registration since 1991. In addition, a former UST was removed in 1991, however, there was no information available as to its condition or if samples were collected. Based upon this soil sampling was performed.

One boring was installed utilizing direct-push technology on the south side of the UST to a depth of 12 feet below grade. Soil samples were collected continuously and field screened by a PWGC hydrogeologist. The soils were characterized as dry, medium to coarse, light to light reddish sand. There were no PID responses or evidence of contamination noted. The deepest interval, 10 feet to 12 feet below grade surface, UST-M, was submitted to the laboratory for analysis for VOCs by EPA method 8021 (STARS) and SVOCs by EPA method 8270 (STARS) and results are contained in Table 4. The sample location UST-M is presented on Figure 2.

There were no VOCs or SVOCs detected in UST-M relative to the active UST. Based upon this no further action is recommended. The location of the former gasoline UST is not known and a groundwater sample was collected downgradient of this area to determine if a source of groundwater contamination is present. This is discussed in Section 3.8.2.

3.5.5 REC-14 Chemical Storage Trailer

A chemical storage trailer is located on soil off the northwest corner of the South Maintenance Building at the end of the paved area. Small work areas outside the trailer indicative of chemical mixing were noted. Two surface soil samples were collected (S-7 and S-8). The samples were submitted for SCDHS parameter lists for VOCs, SVOCs, metals, pesticides and herbicides and results are contained in Table 3. Figure 2 presents the sample locations and summarizes exceedances.

Results are in excess of the RSCOs for mercury and heptachlor epoxide in both samples. Concentrations in excess of these criteria are summarized below.

Parameter	RSCO	Result S-7	Result S-8
Heptachlor Epoxide	2 or MDL	**11**	**9.8**
Mercury	.1 or SB	**0.309**	**0.440**

Notes: **Bold**/Shaded Exceeds RSCO

MDL – Analytical laboratory method detection limit

Due to these exceedances of RSCOs, remedial action may be required relative to the surface soils. In addition at a minimum, it is recommended that any soil disturbance in this area should be performed in accordance with a site-specific SMP.

3.6 Pool House

The Pool House is currently used for storage of poolside chairs and pool equipment. The building has a snack bar area and bathrooms, which are no longer in use. In addition a pump room is present inside the building. Based upon the potential for storage of chemicals the Pool House was identified as REC-15 and

sampling of the sanitary system (SS-7) was performed. The sanitary system is located south of the pool house consists of a single leaching pool constructed of eight-foot diameter pre-cast concrete rings. It was dry at the time of sampling. The sample was submitted for SCDHS parameters, VOCs, SVOCs, metals, pesticides and herbicides and results are contained in Table 2. The SS-7 location is presented on Figure 1.

Concentrations in the Pool House sanitary structure met applicable SCDHS and NYSDEC criteria and based upon this, no further action is recommended. If the Pool House is not placed back in service or is demolished, it is recommended that the sanitary structure be closed in accordance with SCDHS protocol.

3.7 General Conditions

Since the subject property has been operated as a golf course since 1927 and current conditions may not reflect historical course layout and usage, evaluation of soil and groundwater quality around the course was performed (REC-16 and 17 respectively).

Of the 24 surface soil samples collected to assess general conditions, 23 exceeded regulatory levels. Figure 2 presents the sample locations and illustrates the exceedances. In addition, metals exceeded NYSDEC groundwater standards in all six groundwater samples collected. Based upon this regulatory action may be required relative to soil and groundwater. In addition the installation of monitoring wells is recommended to further evaluate groundwater quality and determine if a plume exists.

3.7.1 REC-16 Soil Quality

A total of 24 surface soil samples were collected around the course. Samples GS-1 through GS-18 were collected on the fairway as close as allowed to the greens, since it is anticipated that the greatest pesticide and herbicide usage would be in these areas. Sample GS-19 was positioned in the center of the driving range. Samples GS-20 through GS-24 were positioned at various locations to reduce spacing between the fairway/green samples and were placed toward the center of the site but typically placed off the fairway near vegetated areas. These samples were analyzed for SCDHS list of parameters for VOCs, SVOCs, metals, pesticides and herbicides and results are contained in Table 3. Figure 2 illustrates sample locations as well as selected data. At a minimum for each location results for chlordane, heptachlor

epoxide and mercury are presented. Other contaminants are also presented if concentrations exceeded regulatory criteria.

Results indicate concentrations of SVOCs, metals and pesticides are present in excess of RSCOs. The NYSDEC RSCOs were exceeded in 23 or the 24 samples representing conditions throughout the course.

VOCs and herbicides met RSCOs in the 24 samples.

SVOCs exceeded RSCOs at locations GS-7 and GS-18 and the most significant detection was reported at GS-7 for benzo (a) pyrene at 381 ug/Kg, which is six times the RSCO of 61 ug/Kg.

Two pesticides either chlordane or heptachlor epoxide or both exceeded their respective NYSDEC RSCOs in 18 of the 24 samples. The highest chlordane concentration documented was 6,065 ug/Kg for location GS-4 which is 12 times the RSCO of 540 ug/Kg. At two locations, GS-4 and GS-5, heptachlor epoxide exceeded the RSCO of 2.0 ug/Kg by 100 times with concentrations of 334 ug/Kg and 358 ug/Kg respectively.

Mercury exceeded the NYSDEC RSCO of 0.1 mg/Kg in 20 of the 24 samples. The highest concentration identified was 3.568 mg/Kg for location GS-4. The RSCO for arsenic is 7.5 mg/Kg and one sample GS-6, was in excess of this level with a concentration of 9.56 mg/Kg.

Surface soil concentrations in this area in excess of RSCOs may require remedial action. It is recommended that any soil disturbance in this area should be performed in accordance with a site-specific SMP. In addition, we recommend groundwater monitoring wells be installed to evaluate groundwater concentrations around the site, specifically in the areas where significant soil exceedances were identified.

3.7.2 REC-17 Groundwater Quality

Groundwater samples were collected from six locations, GW-1 through GW-6, around the course and the following table summarizes the location and position relative to groundwater flow. Groundwater flow in the vicinity of the site is to the south-southwest. Sample locations are illustrated on Figure 1.

ID	Location	Position
GW-1	North-central side of property	Upgradient side of property
GW-2	Northeast side of property	Downgradient of Club House Area
GW-3	Central east side of property	Sidegradient of debris & drum area (REC-07) & downgradient of eastern portion of site
GW-4	Center of property	Downgradient of half of the course
GW-5	South-west side of property, South Maintenance Building area.	Downgradient of South Maintenance Area and course
GW-6	Southern edge of property near a concrete slab which may indicate a historical work area.	Downgradient of main portion of course

Groundwater samples were collected at the water table from temporary well points installed using direct push technology. To reduce sample turbidity, approximately 0.5 gallons were purged from the temporary well point at each location. The depth to water around the site is approximately 20 to 25 feet below grade. Groundwater samples were analyzed for VOCs, SVOCs, metals and inorganics, as well as pesticides and herbicides. Results are contained in Table 5 and sample locations are presented on Figure 1.

Results indicate concentrations met their respective NYSDEC standards, with the exception of nine metals: arsenic, chromium, copper, iron, manganese, sodium, nickel, lead and zinc. Samples from temporary well points are typically turbid and result in detections of metals in unfiltered groundwater samples. The elevated metals results are likely due to sediment in the sample since the metals are adhered to sediments and not actually dissolved in groundwater. However, it is recommended that further groundwater monitoring be conducted to determine if groundwater quality has been impacted by on-site activities.

4.0 SOIL MANAGEMENT & HEALTH & SAFETY PLANS

Based upon surface soil sample results that exceeded regulatory limits at 23 of the 24 locations around the site for three classes of compounds, SVOCs, metals and pesticides, preparation and implementation of a Site-Specific Soil Management Plan (SMP) is recommended for the property. The SMP should detail soil management practices in areas identified with soil contamination whenever earthwork is performed to

prevent the spread of contamination and to minimize exposure by protecting worker and patron health and safety.

The SMP will detail the handling requirements whenever soil disturbance is performed. This will include: required personal protective equipment, stockpiling or staging requirements. Depending upon the regulatory requirements, characterization of excavated soil may be required prior to backfilling to determine if off-site disposal is required. The use of engineering controls will be necessary to prevent the spread of contamination and prevent exposure.

In addition, a Site Specific Health and Safety Plan (HASP) is warranted and must be adhered to by site personnel. An important component of the HASP is communication of hazards, including meetings and notices. Education of workers and training requirements will be outlined and will include Hazardous Waste Operations and Emergency Response (HAZWOPER) training and other annual requirements. The HASP will indicate personal protective equipment requirements as well as monitoring equipment, action levels, appropriate protective measures.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The Phase II has identified environmental compliance issues as well as environmental conditions warranting further investigation and remedial action. UIC sampling indicates remedial action is warranted relative to five of ten structures sampled. There are also environmental compliance issues relative to UICs as well as storage tanks. Concentrations of contaminants significantly in excess of regulatory criteria were identified in soil; in some cases pesticides were more than 100 times the regulatory levels.

Surface soil sample results exceeded regulatory limits at 29 of the 30 locations around the site, identified relative to specific RECs or general condition assessment. Based upon these exceedances it is recommended that regulatory officials be engaged to determine the extent of remedial action that will be required. Since significant contamination of SVOCs, metals and pesticides is widespread and higher concentrations may be present that were not identified, we recommend the installation of groundwater monitoring wells and sampling to determine whether groundwater has been impacted. In addition, preparation and implementation of a Site-Specific Soil Management Plan (SMP) is recommended for the

Island Hills Golf Course. The SMP should be accompanied by a Site Specific Health and Safety Plan to communicate hazards, protect workers and outline annual training requirements.

Sampling of UICs, sanitary and storm drain leaching structures and the maintenance pit, indicates remediation of structures by removal of sediments is warranted at five locations: both sanitary systems associated with the Club House on the north side of the building (SS-1 and SS-3 septic tank, the associated leaching structures could not be sampled at this time); South Maintenance Building: sanitary leaching structure, maintenance pit, and storm drain SD-4.

One leaching structure associated with the Central Maintenance Building and four associated with the Club House have not been sampled due to a broken cover and site access limitations. It is recommended that these structures be sampled once access is granted. Based upon site conditions it is likely that there is a former sanitary structure associated with the Pro-Shop and it is recommended that this structure be located, sampled and properly closed in accordance with SCDHS protocol.

Three issues associated with petroleum storage relative to the support buildings require action. PWGC recommends that the South Maintenance Building gasoline UST as well as the other on-site petroleum storage tanks be registered with the SCDHS. An underground storage tank was located inside the Pro-Shop in the golf cart storage area and it is recommended that the tank be registered, and properly removed or abandoned to obtain closure. Abandonment will require cutting the concrete floor, excavating to expose the tank, cutting the tank open to gain access and removal and proper disposal of oil and sludge. If the UST is abandoned in place, cutting a hole through the base of the tank or installation of a monitoring well may be required by SCDHS. The UST can then be properly abandoned and a closure report submitted. If a monitoring well is required, groundwater monitoring will be necessary for a period of time (at a minimum one year). In addition, the Pro-Shop AST should be upgraded to comply with SCDHS requirements.

Relative to the improperly stored waste drums in the vicinity of Holes 1 and 2, it is recommended that the drums and their contents be properly disposed.

Groundwater sample results indicate concentrations met applicable regulatory criteria, with the exception of metals. As many as nine metals were detected in excess of groundwater standards in all six samples

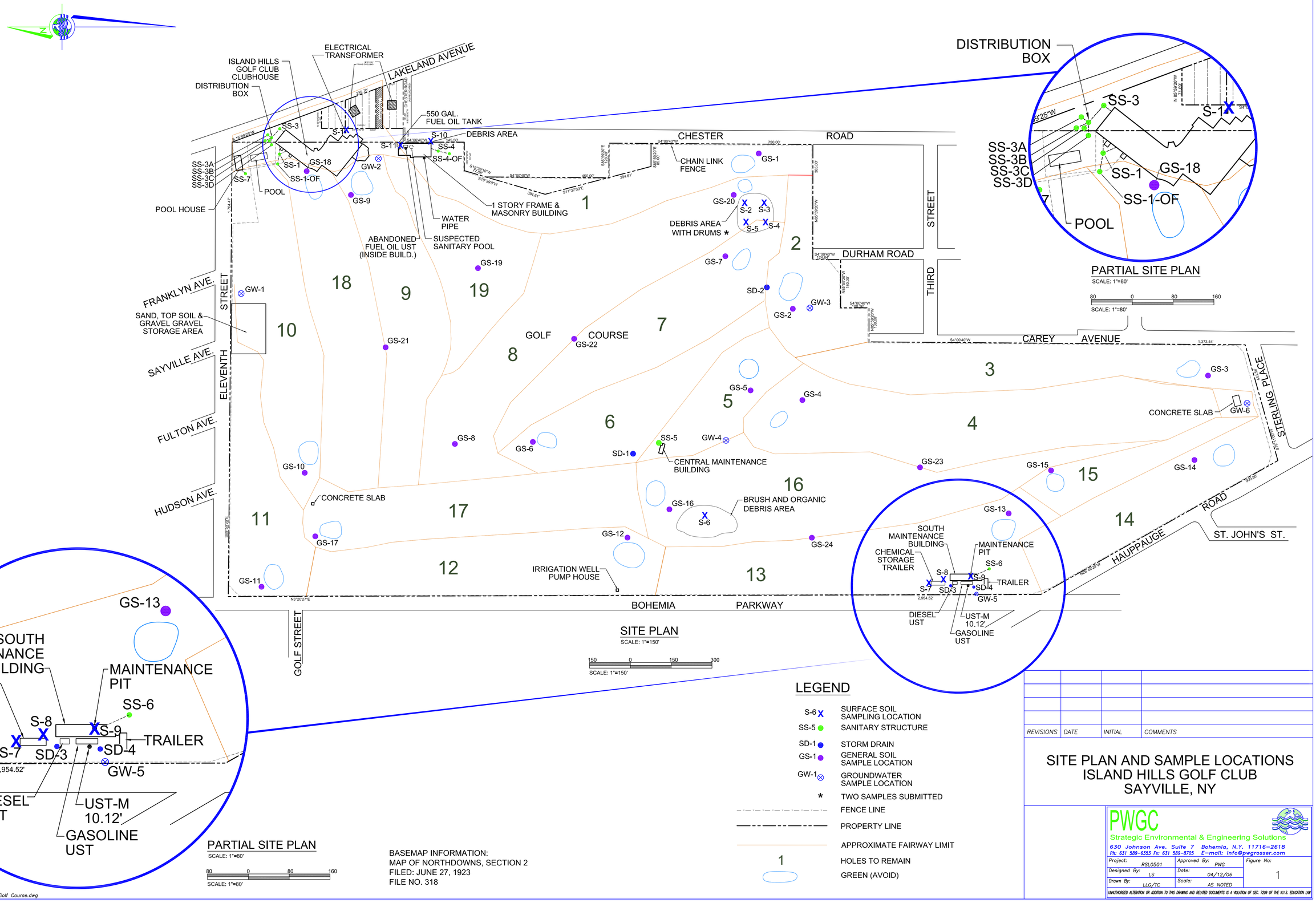
collected. Based upon this it is recommended that further groundwater monitoring be conducted to determine if groundwater quality has been impacted by on-site activities.

To rectify environmental compliance issues as well as address environmental conditions that warrant further investigation and remedial action, costs were compiled. The estimated costs along with the major assumptions are summarized in the following table.

No	Issue	RECs	Cost	Comments/Assumptions
1	Environmental Compliance	03, 07, & 13	$10,000 -- $12,500 Plus Fines $12,000	UST Registrations and upgrade AST. In addition to filing the registrations and fees, the SCDHS has been issuing fines for lapsed registrations. Upgrade Pro-Shop fuel oil AST. Disposal of waste drums and their contents: assume no process knowledge, characterization of standing liquid, disposal of three drums of non-hazardous liquid, 2 days to complete drum removal and disposal of 10 empty drums.
2	UST Abandonment	05	$6,000 -- $8,000	Fuel oil UST abandonment. Assumes 1-550 gallon UST, 1 day to complete, no liquid present, one drum of sludges, sample below UST with no contamination, backfill with clean sand and UST closure report.
3	UIC Remediation / Closure	01, 04A, 09, 10, 11, & 12	$40,000 – $50,000	Remediation of 10 structures: Club House systems: SS-1, SS-3 septic tank and 4 UIC structures (not sampled), Central Maintenance Bldg SS-5 (not sampled) S. Maintenance Building: maintenance pit, sanitary structure SS-6 and storm drain SD-4. Removal of sediments and clean endpoint samples obtained. Locate & sample former Pro-Shop Sanitary (SS-4A): assume results do not warrant cleanout, obtain SCDHS approval to backfill with clean sand and obtain closure.
4	Surface Soil Contamination	16	$6,750,000 -- $7,750,000	Remedial action for surface soil: assume excavate to 0.5 feet across site with off-site disposal and backfill.
5	Groundwater Quality	17	$60,000 -- $75,000	Groundwater monitoring: installation of 10 shallow groundwater monitoring wells, four rounds of samples and no groundwater remediation is warranted.

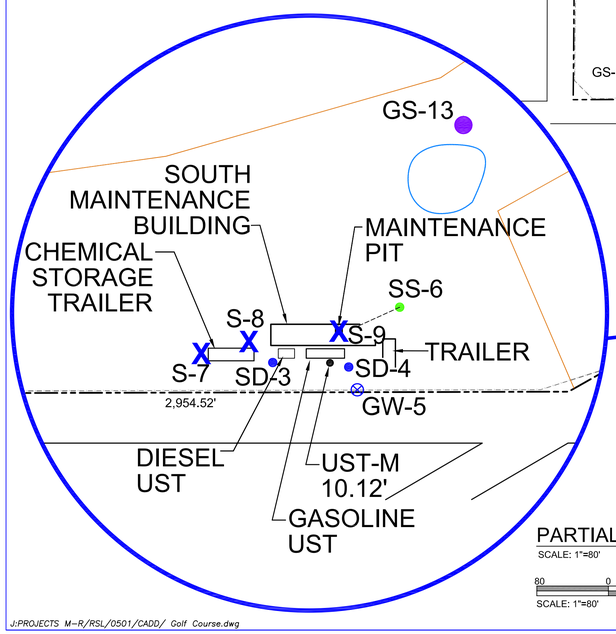
A more detailed cost estimate can be provided upon request.

FIGURES



PARTIAL SITE PLAN
SCALE: 1"=80'

80 0 80 160
SCALE: 1"=80'



PARTIAL SITE PLAN
SCALE: 1"=80'

80 0 80 160
SCALE: 1"=80'

SITE PLAN
SCALE: 1"=150'

150 0 150 300
SCALE: 1"=150'

LEGEND

S-6 X	SURFACE SOIL SAMPLING LOCATION
SS-5 ●	SANITARY STRUCTURE
SD-1 ●	STORM DRAIN
GS-1 ●	GENERAL SOIL SAMPLE LOCATION
GW-1 ⊗	GROUNDWATER SAMPLE LOCATION
*	TWO SAMPLES SUBMITTED
	FENCE LINE
	PROPERTY LINE
	APPROXIMATE FAIRWAY LIMIT
1	HOLES TO REMAIN
	GREEN (AVOID)

BASEMAP INFORMATION:
MAP OF NORTHDOWNS, SECTION 2
FILED: JUNE 27, 1923
FILE NO. 318

REVISIONS	DATE	INITIAL	COMMENTS

SITE PLAN AND SAMPLE LOCATIONS
ISLAND HILLS GOLF CLUB
SAYVILLE, NY

PWGC
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Project: RSL0501	Approved By: PWG	Figure No: 1	
Designed By: LS	Date: 04/12/06		
Drawn By: LLG/TC	Scale: AS NOTED		

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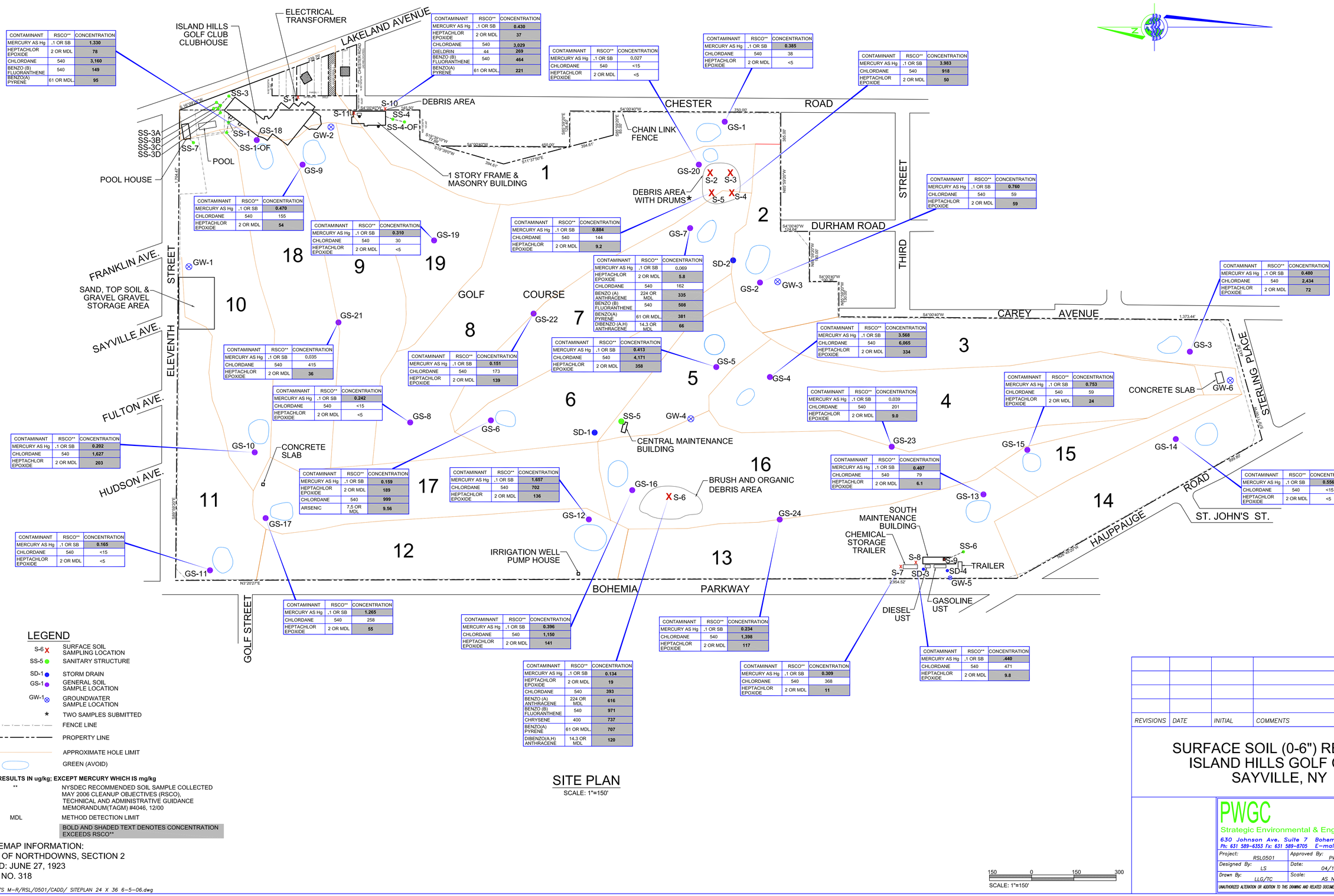

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**1.330**
HEPTACHLOR EPOXIDE	2 OR MDL	**78**
CHLORDANE	540	**3,160**
BENZO (B) FLUORANTHENE	540	**149**
BENZO(A) PYRENE	61 OR MDL	**95**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.430**
HEPTACHLOR EPOXIDE	2 OR MDL	**37**
CHLORDANE	540	**3,029**
DIELDRIN	44	**269**
BENZO (B) FLUORANTHENE	540	**464**
BENZO(A) PYRENE	61 OR MDL	**221**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	0,027
CHLORDANE	540	<15
HEPTACHLOR EPOXIDE	2 OR MDL	<5

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.385**
CHLORDANE	540	38
HEPTACHLOR EPOXIDE	2 OR MDL	<5

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**3.983**
CHLORDANE	540	**918**
HEPTACHLOR EPOXIDE	2 OR MDL	**50**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.760**
CHLORDANE	540	59
HEPTACHLOR EPOXIDE	2 OR MDL	**59**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.470**
CHLORDANE	540	155
HEPTACHLOR EPOXIDE	2 OR MDL	**54**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.310**
CHLORDANE	540	30
HEPTACHLOR EPOXIDE	2 OR MDL	<5

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.884**
CHLORDANE	540	144
HEPTACHLOR EPOXIDE	2 OR MDL	**9.2**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	0,069
HEPTACHLOR EPOXIDE	2 OR MDL	**5.8**
CHLORDANE	540	162
BENZO (A) ANTHRACENE	224 OR MDL	**335**
BENZO (B) FLUORANTHENE	540	**508**
BENZO(A) PYRENE	61 OR MDL	**381**
DIBENZO (A,H) ANTHRACENE	14.3 OR MDL	**66**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.480**
CHLORDANE	540	**2,434**
HEPTACHLOR EPOXIDE	2 OR MDL	**72**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	0,035
CHLORDANE	540	415
HEPTACHLOR EPOXIDE	2 OR MDL	**36**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.151**
CHLORDANE	540	173
HEPTACHLOR EPOXIDE	2 OR MDL	**139**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.413**
CHLORDANE	540	**4,171**
HEPTACHLOR EPOXIDE	2 OR MDL	**358**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**3.568**
CHLORDANE	540	**6,065**
HEPTACHLOR EPOXIDE	2 OR MDL	**334**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.753**
CHLORDANE	540	59
HEPTACHLOR EPOXIDE	2 OR MDL	**24**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	0,039
CHLORDANE	540	201
HEPTACHLOR EPOXIDE	2 OR MDL	**9.0**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.202**
CHLORDANE	540	**1,627**
HEPTACHLOR EPOXIDE	2 OR MDL	**203**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.242**
CHLORDANE	540	<15
HEPTACHLOR EPOXIDE	2 OR MDL	<5

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.159**
HEPTACHLOR EPOXIDE	2 OR MDL	**189**
CHLORDANE	540	**999**
ARSENIC	7,5 OR MDL	**9.56**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**1.657**
CHLORDANE	540	**702**
HEPTACHLOR EPOXIDE	2 OR MDL	**136**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.407**
CHLORDANE	540	79
HEPTACHLOR EPOXIDE	2 OR MDL	**6.1**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.556**
CHLORDANE	540	<15
HEPTACHLOR EPOXIDE	2 OR MDL	<5

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.165**
CHLORDANE	540	<15
HEPTACHLOR EPOXIDE	2 OR MDL	<5

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**1.265**
CHLORDANE	540	258
HEPTACHLOR EPOXIDE	2 OR MDL	**55**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.396**
CHLORDANE	540	**1,150**
HEPTACHLOR EPOXIDE	2 OR MDL	**141**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.234**
CHLORDANE	540	**1,398**
HEPTACHLOR EPOXIDE	2 OR MDL	**117**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.309**
CHLORDANE	540	368
HEPTACHLOR EPOXIDE	2 OR MDL	**11**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**.440**
CHLORDANE	540	471
HEPTACHLOR EPOXIDE	2 OR MDL	**9.8**

CONTAMINANT	RSCO**	CONCENTRATION
MERCURY AS Hg	.1 OR SB	**0.134**
HEPTACHLOR EPOXIDE	2 OR MDL	**19**
CHLORDANE	540	**393**
BENZO (A) ANTHRACENE	224 OR MDL	**616**
BENZO (B) FLUORANTHENE	540	**971**
CHRYSENE	400	**737**
BENZO(A) PYRENE	61 OR MDL	**707**
DIBENZO(A,H) ANTHRACENE	14,3 OR MDL	**120**

LEGEND

- S-6 X — SURFACE SOIL SAMPLING LOCATION
- SS-5 ● — SANITARY STRUCTURE
- SD-1 ● — STORM DRAIN
- GS-1 ● — GENERAL SOIL SAMPLE LOCATION
- GW-1 ⊗ — GROUNDWATER SAMPLE LOCATION
- * — TWO SAMPLES SUBMITTED
- FENCE LINE
- PROPERTY LINE
- APPROXIMATE HOLE LIMIT
- GREEN (AVOID)

RESULTS IN ug/kg; EXCEPT MERCURY WHICH IS mg/kg

- ** — NYSDEC RECOMMENDED SOIL SAMPLE COLLECTED MAY 2006 CLEANUP OBJECTIVES (RSCO), TECHNICAL AND ADMINISTRATIVE GUIDANCE MEMORANDUM(TAGM) #4046, 12/00
- MDL — METHOD DETECTION LIMIT
- BOLD AND SHADED TEXT DENOTES CONCENTRATION EXCEEDS RSCO**

BASEMAP INFORMATION:
MAP OF NORTHDOWNS, SECTION 2
FILED: JUNE 27, 1923
FILE NO. 318

SITE PLAN

SCALE: 1"=150'

150 0 150 300

SCALE: 1"=150'

REVISIONS	DATE	INITIAL	COMMENTS

SURFACE SOIL (0-6") RESULTS
ISLAND HILLS GOLF CLUB
SAYVILLE, NY

PWGC
Strategic Environmental & Engineering Solutions
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Ph: 631 589-6353 Fx: 631 589-8705 E-mail: info@pwgrosser.com

Project: RSL0501	Approved By: PWG	Figure No: 2	
Designed By: LS	Date: 04/12/06		
Drawn By: LLG/TC	Scale: AS NOTED		

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TABLES

Table 1

Island Hills Golf Course, Sayville New York
REC Number and Sample IDs

Area	REC No.	REC Issue	Sample IDs
Club House Building	01	UIC Sanitary Systems	SS-1 and SS3
Club House Vicinity	02	Oil Stained Pad & Transformer	S-1
Pro-Shop Building	03	AST Staged on Soil	S-10
	04/04A	Sanitary System(s)	SS-4
	05	UST	
Pro-Shop Building Area	05A	Storage Area	S-10
Green	06	Storm Drains-2	SD-1 and SD-2
	07	Landscape Debris & Waste Drums Area of Holes 1 & 2	S-2 through S-5
	08	Landscape Debris Piles Holes 13 & 16	S-6
Central Maintenance Building	09	Sanitary System	SS-5
S. Maintenance Building	10	Maintenance Pit	Pit-1
	11	Sanitary System & Slop Sink	SS-6
	12	Storm Drains-2	SD-3 and SD-4
	13	Gasoline UST	UST-M
	14	Chemical Storage Trailer	S-7 and S-8
Pool House	15	Sanitary System	SS -7
General Conditions	16	Surface Soil	GS-1 through GS-24
	17	Groundwater	GW-1 through GW-6

Table 2
Island Hill Golf Course Sayville, New York

UIC Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	SCDHS Action Levels (#)	SCDHS Cleanup Objectives (1)	SD-1	SD-2	SD-3	SD-4	SS-1	SS-3	SS-4	SS-6	SS-7	PIT-1
Volatile Organic Compounds by 8260 - ug/kg												
Dichlorodifluoromethane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Chloromethane	n/a	n/a	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Vinyl Chloride	400	200	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Bromomethane	n/a	n/a	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Chloroethane	400	200	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Trichlorofluoromethane	1,600	800	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,1-Dichloroethene	800	400	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Methylene Chloride	200	100	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
trans-1,2-Dichloroethene	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,1-Dichloroethane	400	200	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
2,2-Dichloropropane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
cis-1,2-Dichloroethene	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Bromochloromethane	400	200	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Chloroform	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,1,1-Trichloroethane	1,600	800	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Carbon Tetrachloride	1,200	600	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,1-Dichloropropene	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Benzene	120	60	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,2-Dichloroethane	200	100	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Trichloroethene	1,400	700	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,2-Dichloropropane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Dibromomethane	400	200	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Bromodichloromethane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
cis-1,3-Dichloropropene	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Toluene	3,000	1,500	88	<5	14	51	8	94	<50	152	<5	<5
trans-1,3-Dicholorpropene	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,1,2-Trichloroethane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Tetrachloroethene	2,800	1,400	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,3-Dichloropropane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Dibromochloromethane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,2-Dibromoethane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Chlorobenzene	3,400	1,700	<5	<5	<5	<5	<5	**9,720**	<50	<50	<5	<5
1,1,1,2-Tetrachloroethane	600	300	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Ethylbenzene	11,000	5,500	<5	<5	25	24	<5	<25	<50	<50	<5	<5
Styrene	2,000	1,000	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5

Table 2
Island Hill Golf Course Sayville, New York

UIC Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	SCDHS Action Levels (#)	SCDHS Cleanup Objectives (1)	SD-1	SD-2	SD-3	SD-4	SS-1	SS-3	SS-4	SS-6	SS-7	PIT-1
Bromoform	1,000	500	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Isopropylbenzene	5,200	2,600	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Bromobenzene	1,600	800	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,1,2,2-Tetrachloroethane	1,200	600	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,2,3-Trichloropropane	800	400	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
n-Propylbenzene	5,000	2,500	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
2-Chlorotoluene	3,600	1,800	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
4-Chlorotoluene	3,600	1,800	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,3,5-Trimethylbenzene	5,200	2,600	<5	<5	8	5	<5	<25	62	147	<5	<5
tert-Butylbenzene	6,800	3,400	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,2,4-Trimethylbenzene	4,800	2,400	<5	<5	31	14	<5	<25	<50	166	<5	<5
sec-Butyl benzene	10,000	5,000	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,3-Dichlorobenzene	3,200	1,600	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
p-Isopropyltoluene	7,800	3,900	58	<5	<5	<5	<5	<25	<50	57	<5	<5
1,4-Dichlorobenzene	15,000	8,000	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,2-Dichlorobenzene	15,000	8,000	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
n-Butyl benzene	6,800	3,400	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Dibromochloropropane (1,2-Dibromo-3-chloropropane)	1,000	500	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,2,4-Trichlorobenzene	6,800	3,400	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Hexachlorobutadiene	15,000	10,000	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Naphthalene	15,000	10,000	<5	<5	10	<5	<5	<25	<50	100	<5	<5
1,2,3-Trichlorobenzene	4,800	2,400	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
2-Chloroerhylvinyl Ether			<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Freon 113 (1,1,2-Trichlorofluoroethane)	12,000	6,000	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
p-Diethylbenzene	7,600	3,800	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
p-Ethyltoluene	3,600	1,800	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
1,2,4,5-Tetramethylbenzene	15,000	10,000	<5	<5	<5	7	<5	<25	<50	82	<5	<5
Acetone	**	**	<50	<50	<50	<50	107	<250	<500	<500	<50	<50
Chlorofluoromethane	n/a	n/a	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
Methyl Ethyl Ketone	600	300	<10	<10	12	<10	33	<50	<100	<100	<10	<10
Methyl Isobutyl Ketone	2,000	1,000	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5
m + p Xylene	2,400 *	1,200	<10	<10	43	62	<10	<50	<100	<100	<10	<10
o-Xylene	2,400 *	1,200	<5	<5	21	24	<5	<25	<50	66	<5	<5
Methyl-Tertiary-Butyl-Ether (MTBE)	1,200	600	<5	<5	<5	<5	<5	<25	<50	<50	<5	<5

Table 2
Island Hill Golf Course Sayville, New York

UIC Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	SCDHS Action Levels (#)	SCDHS Cleanup Objectives (1)	SD-1	SD-2	SD-3	SD-4	SS-1	SS-3	SS-4	SS-6	SS-7	PIT-1
Semi-Volatile Organic Compounds by 8270 - ug/kg												
Anthracene	75,000	50,000	<40	<40	<40	<40	<40	<40	<40	1,140	44	<40
Fluorene	75,000	50,000	<40	<40	<40	<40	<40	<40	<40	381	<40	<40
Phenanthrene	75,000	50,000	<40	<40	232	135	<40	<40	248	4,612	173	76
Pyrene	75,000	50,000	<40	<40	205	158	<40	<40	437	4,313	626	172
Acenaphthene	75,000	50,000	<40	<40	<40	<40	<40	<40	<40	328	<40	<40
Benzo(a)anthracene	6,000	3,000	<40	<40	76	59	<40	<40	201	2,213	447	104
Fluoranthene	75,000	50,000	46	<40	221	177	<40	<40	554	5,319	576	197
Benzo(b)fluoranthene	2,200	1,100	41	<40	141	99	<40	<40	391	**2,568**	478	154
Benzo(k)fluoranthene	2,200	1,100	<40	<40	50	<40	<40	<40	169	889	146	62
Chrysene	800	400	<40	<40	115	103	<40	<40	353	**2,632**	606	127
Benzo(a)pyrene	22,000	11,000	<40	<40	82	60	<40	<40	216	1,792	359	101
Benzo(g,h,i)perylene	75,000	50,000	<40	<40	59	58	<40	<40	233	1,039	197	130
Indeno(1,2,3-cd)pyrene	6,400	3,200	<40	<40	53	59	<40	<40	214	1,136	180	108
Dibenzo(a,h)anthracene	75,000	50,000	<40	<40	<40	<40	<40	<40	44	221	46	<40
Compound	**SCDHS Action Levels (#)**	**SCDHS Cleanup Objectives (1)**	**SD-1**	**SD-2**	**SD-3**	**SD-4**	**SS-1**	**SS-3**	**SS-4**	**SS-6**	**SS-7**	**PIT-1**
Priority Pollutant Metals mg/kg												
Silver as Ag	100	5	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
Arsenic as As	25	7.5	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	3.38
Beryllium as Be	8	1.6	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
Cadmium as Cd	10	1	<1.00	<1.00	<1.00	<1.00	1.54	<1.00	1.37	<1.00	<1.00	1.14
Chromium as Cr	100	10	2.36	<1.65	5.39	5.01	6.93	6.50	3.01	3.59	4.54	20.9
Copper as Cu	500	25	3.85	3.00	11.7	8.75	310	112	101	26.1	64.4	32
Mercury as Hg	2	0.1	0.045	0.022	0.218	**4.805**	0.100	<0.020	1.349	2.039	0.274	0.391
Nickel as Ni	1,000	13	1.83	<1.65	1.96	1.84	5.02	5.75	2.38	<1.65	2.79	7.78
Lead as Pb	400	100	6.68	2.13	7.84	6.69	392	24.4	25.5	10.1	46.7	47.0
Compound	**RSCO ****		**SD-1**	**SD-2**	**SD-3**	**SD-4**	**SS-1**	**SS-3**	**SS-4**	**SS-6**	**SS-7**	**PIT-1**
Pesticides by EPA Method 8081/8082 - ug/kg												
Aldrin	38		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
a BHC	100		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
b BHC	200		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
d BHC	300		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Lindane	60		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Table 2
Island Hill Golf Course Sayville, New York

UIC Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	RSCO **	SD-1	SD-2	SD-3	SD-4	SS-1	SS-3	SS-4	SS-6	SS-7	PIT-1
Chlordane	540	24	49	108	**963**	24	<15	102	**12,505**	31	510
p,p-DDD	2,900	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
p,p-DDE	2,100	<5	<5	<5	13	<5	<5	<5	14	<5	7.8
p,p-DDT	2,100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dieldrin	44	<5	<5	<5	<5	<5	<5	<5	<5	<5	14
Endosulfan 1	800	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Endosulfan 2	800	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Endosulfan Sulfate	1,000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Endrin	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Endrin Aldehyde	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Heptachlor	140	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Heptachlor Epoxide	2 or MDL	<5	<5	<5	**22**	<5	<5	<5	<5	<5	**9.1**
4,4' Methoxychlor	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toxaphene	n/a	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
Endrin Ketone	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Compound	**RSCO ** **	**SD-1**	**SD-2**	**SD-3**	**SD-4**	**SS-1**	**SS-3**	**SS-4**	**SS-6**	**SS-7**	**PIT-1**
Herbicides by EPA Method 8151 - ug/kg											
Dicamba	n/a	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-D	500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Silvex (2,4,5-TP)	700	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4,5-T	1,900	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-DB	n/a	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Dacthal	n/a	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50

Notes:
(#) - Suffolk County Dept. of Health Services, Article 12 - SOP 9-95, Action Levels, July 1998.
(1) - Suffolk County Dept. of Health Services, Article 12 - SOP 9-95, Cleanup Objectives, July 1998.
** NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
All units are ug/Kg, except metals which are mg/kg.
n/a - Not available
MDL - Method detection limit
NS - Not sampled
Bold/Shaded text denotes RSCO and SCDHS Action Level exceedance.

Table 3
Island Hill Golf Course Sayville, New York

Surface Soil Results 0-6"
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	RSCO**	GS-1	GS-2	GS-3	GS-4	GS-5	GS-6	GS-7	GS-8	GS-9	GS-10	GS-11	GS-12	GS-13	GS-14	GS-15	GS-16	GS-17	GS-18	GS-19	GS-20	GS-21	GS-22	GS-23	GS-24	S-4	S-5	S-6	S-7	S-8	S-10
Volatile Organic Compounds by 8260 - ug/kg																															
Dichlordifluoromethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Chloromethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Vinyl Chloride	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Bromomethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Chloroethane	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Trichlorofluoromethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,1 Dichloroethene	300	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Methylene Chloride	50 or MDL	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
t-1,2-Dichloroethene	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,1 Dichloroethane	300	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
2,2-Dichloropropane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
c-1,2-Dichloroethene	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Bromochloromethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Chloroform	400	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
111 Trichloroethane	700	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Carbon Tetrachloride	800	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,1-Dichloropropene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Benzene	60 or MDL	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,2 Dichloroethane	20 or MDL	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,2 Dibromoethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Trichloroethylene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,2 Dichloropropane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Dibromomethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Bromodichloromethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
c-1,3Dichloropropene	240	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Toluene	1,500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
t-1,3Dichloropropene	240	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
112 Trichloroethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Tetrachloroethene	1,300	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,3-Dichloropropane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Dibromochloropropane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,2-Dibromoethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Chlorobenzene	1,100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1112Tetrachloroethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Ethyl Benzene	5,500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Styrene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Bromoform	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Isopropylbenzene	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Bromobenzene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1122Tetrachloroethane	400	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
123-Trichloropropane	3 or MDL	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
n-Propylbenzene	3,700	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-Chlorotoluene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
4-Chlorotoluene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
135-Trimethylbenzene	3,300	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
tert-Butylbenzene	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
124-Trimethylbenzene	10,000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
sec-Butylbenzene	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,3 Dichlorobenzene (v)	1,000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
p-Isopropyltoluene	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,4 Dichlorobenzene (v)	1,800	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,2 Dichlorobenzene (v)	1,100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
n-Butylbenzene	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1,2-Dibromo-3-Chloropropane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
124-Trichlorobenzene (v)	8,300	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Hexachlorobutadiene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Naphthalene(v)	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
123-Trichlorobenzene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
2-Chloroethylvinyl Ether	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Freon 113	1,300	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
p Diethylbenzene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
p-Ethyltoluene	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
1245 Tetramethylbenz	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Acetone	100	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<100
Chlorodifluoromethane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Methyl Ethyl Ketone	n/a	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20
Methylisobutylketone	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
m + p Xylene	n/a	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20
o Xylene	600	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
ter.ButylMethylEther	120	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10
Semi-Volatile Organic Compounds by 8270 - ug/kg																															
Anthracene	50,000	<40	<40	<40	<40	<40	<40	58	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	135	<40	<40	<60
Fluorene	50,000	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<60	<40	<40	<60
Phenanthrene	50,000	<40	<40	<40	<40	<40	<40	199	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	73	<40	<40	<40	<40	<40	<40	47	<40	538	<40	<40	204
Pyrene	50,000	<40	76	<40	<40	<40	<40	509	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	164	<40	<40	<40	<40	43	<40	72	<40	1,036	45	<40	414
Acenaphthene	50,000	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<60	<40	<40	<60
Benzo(a)anthracene	224 or MDL	<40	<40	<40	<40	<40	<40	**335**	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	79	<40	<40	<40	<40	<40	<40	<40	<40	**616**	<40	<40	209

Table 3
Island Hill Golf Course Sayville, New York

Surface Soil Results 0-6"
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	RSCO**	GS-1	GS-2	GS-3	GS-4	GS-5	GS-6	GS-7	GS-8	GS-9	GS-10	GS-11	GS-12	GS-13	GS-14	GS-15	GS-16	GS-17	GS-18	GS-19	GS-20	GS-21	GS-22	GS-23	GS-24	S-4	S-5	S-6	S-7	S-8	S-10
Fluoranthene	50,000	<40	83	<40	<40	<40	<40	560	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	200	<40	<40	<40	<40	52	<40	94	<40	1,212	59	<40	527
Benzo(b)fluoranthene	61 or MDL	<40	53	<40	<40	<40	<40	**508**	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	**149**	<40	<40	<40	<40	43	<40	57	<40	**971**	<40	<40	**464**
Benzo(k)fluoranthene	610 or MDL	<40	<40	<40	<40	<40	<40	181	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	60	<40	<40	<40	<40	<40	<40	<40	<40	341	<40	<40	136
Chrysene	400	<40	48	<40	<40	<40	<40	395	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	138	<40	<40	<40	<40	<40	<40	53	<40	**737**	<40	<40	373
Benzo(a)pyrene	61 or MDL	<40	45	<40	<40	<40	<40	**381**	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	**95**	<40	<40	<40	<40	<40	<40	<40	<40	**707**	<40	<40	**221**
Benzo(ghi)perylene	50,000	<40	<40	<40	<40	<40	<40	287	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	79	<40	<40	<40	<40	<40	<40	<40	<40	448	<40	<40	264
Indeno(1,2,3-cd)pyrene	3,200	<40	41	<40	<40	<40	<40	285	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	86	<40	<40	<40	<40	<40	<40	<40	<40	491	<40	<40	257
Dibenzo(a,h)anthracene	14.3 or MDL	<40	<40	<40	<40	<40	<40	**66**	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	**120**	<40	<40	<60
Priority Pollutant Metals - mg/kg																															
Silver as Ag	SB	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
Arsenic as As	7.5 or SB	2.7	4.03	4.1	<1.65	2.57	**9.56**	2.58	3.4	2.73	5.15	2.16	2.48	3.80	4.82	3.15	2.15	2.66	3.03	<1.65	1.95	2.70	2.00	2.92	2.61	2.25	1.94	2.62	<1.65	3.24	<1.65
Beryllium as Be	0.16 or SB	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
Cadmium as Cd	10	<1.00	<1.00	1.02	<1.00	<1.00	5.51	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chromium as Cr	50	5.78	6.91	9.58	15.8	16.9	11.4	5.48	3.69	6.54	11.9	7.1	3.88	6.19	3.87	8.22	9.35	5.37	10.4	2.56	4.97	4.93	6.89	6.78	10.3	7.53	4.05	8.63	3.87	9.73	5.42
Copper as Cu	25 or SB	3.11	6.16	3.07	3.19	9.07	6.35	11.0	1.98	3.91	4.88	3.67	3.97	3.54	2.76	6.61	2.15	3.62	4.04	2.73	4.72	3.55	4.73	4.10	4.04	4.8	5.69	10.40	4.80	5.88	15.4
Mercury as Hg	.1 or SB	**0.385**	**0.760**	**0.480**	**3.568**	**0.413**	**0.159**	0.069	**0.242**	**0.470**	**0.202**	**0.165**	**1.657**	**0.407**	**0.556**	**0.753**	**0.396**	**1.265**	**1.330**	**0.310**	0.027	0.035	**0.151**	0.039	**0.234**	**3.983**	**0.884**	**0.134**	**0.309**	**0.440**	**0.430**
Nickel as Ni	13 or SB	2.41	2.47	2.46	3.17	2.97	2.32	3.86	2.19	3.47	3.14	3.00	<1.65	2.14	<1.65	3.46	1.92	2.34	4.62	<1.65	3.01	2.97	3.56	2.48	2.54	2.92	2.69	4.87	1.69	2.78	3.70
Lead as Pb^	4-61 or SB	8.19	26.4	11.7	9.88	21.1	43.1	27.7	5.99	6.96	19.9	6.15	18.9	6.49	13.1	6.52	6.88	13.0	7.43	7.78	4.00	26.3	19.2	17.2	15.3	19.2	26.9	21.8	4.87	13.1	36.0
Pesticides by EPA Method 8081/8082 -ug/kg																															
Aldrin	38	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
a BHC	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
b BHC	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
d BHC	300	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Lindane	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlordane	540	38	59	**2,434**	**6,065**	**4,171**	**999**	162	<15	155	**1,627**	<15	**702**	79	<15	59	**1,150**	258	**3,160**	30	<15	415	173	201	**1,398**	**918**	144	393	368	471	**3,029**
p,p-DDD	2,900	<5	<5	<5	<5	<5	<5	6.9	<5	<5	<5	<5	14	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
p,p-DDE	2,100	<5	14	<5	21	18	<5	8.5	<5	<5	<5	<5	38	<5	<5	<5	9.5	<5	7.1	<5	<5	<5	14	6.6	<5	<5	15	10	11	6.6	<5
p,p-DDT	2,100	<5	11	5.2	16	40	<5	26	<5	<5	<5	<5	24	<5	<5	<5	9.9	<5	<5	<5	<5	<5	14	<5	9.5	10	29	<5	<5	9.0	7.7
Dieldrin	44	<5	<5	<5	<5	6.8	5.9	7.0	<5	<5	6.4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**269**
Endosulfan 1	800	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Endosulfan 2	800	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Endosulfan Sulfate	1,000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Endrin	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Endrin Aldehyde	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Heptachlor	140	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Heptachlor Epoxide	2 or MDL	<5	**59**	**72**	**334**	**358**	**189**	**5.8**	<5	**54**	**203**	<5	**136**	**6.1**	<5	**24**	**141**	**55**	**78**	<5	<5	**36**	**139**	**9.0**	**117**	**50**	**9.2**	**19**	**11**	**9.8**	**37**
4,4' Methoxychlor	n/a	<5	<5	<5	6.7	5.7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toxaphene	n/a	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
Endrin Ketone	n/a	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Herbicides by EPA Method 8151 - ug/kg																															
Dicamba	n/a	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-D	500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Silvex (2,4,5-TP)	700	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4,5-T	1,900	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2,4-DB	n/a	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Dacthal	n/a	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50

Notes:
n/a - Not available
MDL - Method detection limit
Bold/Shaded - indicates exceedance of RSCO.
** NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00.

Table 4
Island Hill Golf Course Sayville, New York

Petroleum Storage Tank Sample Results
Volatile and Semi-Volatile

Compound	RSCO**	S-11	UST-M
Volatile Organic Compounds by EPA Method 8021 - ug/kg			
ter.ButylMethylEther	120	<5	<5
Benzene	60 or MDL	<5	<5
n-Butylbenzene	10	<5	<5
sec-Butylbenzene	10	<5	<5
tert-Butylbenzene	10	<5	<5
Isopropylbenzene	10	<5	<5
p-Isopropyltoluene	n/a	<5	<5
n-Propylbenzene	3,700	<5	<5
Ethyl Benzene	5,500	<5	<5
Naphthalene(v)	n/a	<5	<5
Toluene	1,500	<5	<5
124-Trimethylbenzene	10,000	<5	<5
135-Trimethylbenzene	3,300	<5	<5
m + p Xylene	n/a	<10	<10
o Xylene	600	<5	<5
Semi-Volatile Organic Compounds by EPA Method 8270 - ug/kg			
Naphthalene(v)	13,000	<40	<5
Anthracene	50,000	<40	<5
Fluorene	50,000	<40	<5
Phenanthrene	50,000	151	<5
Pyrene	50,000	179	<5
Acenaphthene	50,000	<40	<5
Benzo(a)anthracene	224 or MDL	98	<5
Fluoranthene	50,000	230	<5
Benzo(b)fluoranthene	61 or MDL	**138**	<5
Benzo(k)fluoranthene	610 or MDL	45	<5
Chrysene	400	124	<5
Benzo(a)pyrene	61 or MDL	**87**	<5
Benzo(ghi)perylene	50,000	58	<5
Indeno(1,2,3-cd)pyrene	3,200	58	<5
Dibenzo(a,h)anthracene	14.3 or MDL	<40	<5

Notes:
n/a - Not available
MDL - Method detection limit
Bold/Shaded - indicates exceedance of RSCO

** NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00.

Table 5
Island Hill Golf Course Sayville, New York

Groundwater Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	NYSDEC Groundwater Standards**	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6
Volatile Organic Compounds by EPA Method 524.2 - ug/L							
Acetone	50*	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Benzene	1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromochloromethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	50*	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	50*	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Butanone	50	1.44	<1.00	<1.00	<1.00	<1.00	<1.00
n-Butylbenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
tert-Butylbenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Disulfide	n/a	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorodifluoromethane	n/a	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroform	7	<0.50	1.70	<0.50	<0.50	<0.50	<0.50
Chloromethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Chlorotoluene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chlorotoluene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorodibromomethane	50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromo-3-Chloropropane	0.04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2 Dibromoethane	0.0006	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromomethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2 Dichlorobenzene (v)	3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3 Dichlorobenzene (v)	3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4 Dichlorobenzene (v)	3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlordifluoromethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1 Dichloroethane	4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2 Dichloroethane	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1 Dichloroethene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
c-1,2-Dichloroethene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
t-1,2-Dichloroethene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2 Dichloropropane	1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Table 5
Island Hill Golf Course Sayville, New York

Groundwater Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	NYSDEC Groundwater Standards**	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6
2,2-Dichloropropane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
c-1,3Dichloropropene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
t-1,3Dichloropropene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethyl Benzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachlorobutadiene	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Hexanone	50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	5	<0.50	<0.50	<0.50	<0.50	0.52	<0.50
Methylisobutylketone	n/a	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ter.ButylMethylEther	10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Naphthalene(v)	10*	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Propylbenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1112Tetrachloroethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1122Tetrachloroethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
123-Trichlorobenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
124-Trichlorobenzene (v)	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
111 Trichloroethane	5	<0.50	<0.50	<0.50	<0.50	0.74	<0.50
112 Trichloroethane	1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
123-Trichloropropane	0.04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
124-Trimethylbenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
135-Trimethylbenzene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl Chloride	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m + p Xylene	5	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
o Xylene	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Semi-Volatile Organic Compounds by EPA Method 525.5 - ug/L							
Hexachlorobenzene	0.04	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bis(2-ethylhexyl)phthalate	5	<1.0	1.8	3.8	<1.0	<1.0	<1.0
Benzo(a)pyrene	ND	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pentachlorophenol	1°	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8

Table 5
Island Hill Golf Course Sayville, New York

Groundwater Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	NYSDEC Groundwater Standards**	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6
Butachlor	3.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bis (2-Ethylhexyl) Adipate	20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hexachlorocyclopentadiene	5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Priority Pollutant Metals ug/L							
Silver as Ag	0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aluminum as Al	n/a	28.3	29.3	37.6	17.0	14.6	6.51
Arsenic as As	0.025	**0.45**	<0.05	<0.05	<0.05	<0.05	<0.05
Barium as Ba	1.000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Beryllium as Be	0.003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Calcium as Ca	n/a	21.2	18.6	14.8	10.5	12.1	11.6
Cadmium as Cd	0.005	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cobalt as Co	n/a	0.15	<0.05	0.09	<0.05	<0.05	<0.05
Chromium as Cr	0.050	**1.86**	**0.28**	**0.38**	**0.33**	**0.31**	**0.09**
Copper as Cu	0.200	**0.97**	**0.32**	**0.31**	0.11	**0.26**	0.10
Iron as Fe	0.500	**117**	**75.8**	**106**	**65.3**	**72.5**	**26.1**
Mercury as Hg	0.0007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Potassium as K	n/a	4.95	3.33	8.98	5.99	5.69	3.35
Magnesium as Mg	35.000	7.75	7.24	9.11	6.65	5.11	5.13
Manganese as Mn	0.300	**5.76**	**1.72**	**12.0**	**2.52**	**2.27**	**0.80**
Molybdenum	n/a	0.30	0.17	<0.05	0.09	0.11	<0.05
Sodium as Na	20.000	**39.9**	9.87	15.6	10.5	**41.3**	13.3
Nickel as Ni	0.100	**1.21**	**0.16**	**0.20**	**0.14**	**0.17**	<0.05
Lead as Pb	0.025	**0.047**	**0.046**	**0.058**	0.022	0.025	<0.05
Antimony as Sb	0.003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005
Selenium as Se	0.010	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Thallium as T1	0.0005	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium as V	n/a	0.08	0.10	0.08	<0.05	<0.05	<0.05
Zinc as Zn	2.000	**6.69**	1.34	1.18	1.13	1.59	0.24
Inorganics mg/L							
Chloride	250	62	15	24	17	55	23
Sulfate as SO4	250	44	63	56	67	50	59
Ammonia as N	20	<1.0	<1	<1	<1.0	<1	<1
Nitrate as N	100	<1.0	<1.0	7.0	2.6	2.0	1.9
Nitrite as N	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 5
Island Hill Golf Course Sayville, New York

Groundwater Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	NYSDEC Groundwater Standards**	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6
Bromide	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Orthophosphate as P	n/a	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluride, Total	15	<1.0	1.3	<1.0	<1.0	<1.0	<1.0
Pesticides by EPA Method 608, 508/551 - ug/L							
Aldrin	ND	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
a BHC	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
b BHC	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
d BHC	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lindane	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chlordane	0.5	0.26	<0.02	<0.02	<0.02	<0.02	<0.02
p,p-DDD	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p,p-DDE	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p,p-DDT	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	0.004	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan 1	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan 2	n/a	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan Sulfate	n/a	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endrin	ND	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin Aldehyde	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin Ketone	5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Heptachlor	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor Epoxide	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4' Methoxychlor	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toxaphene	0.06	<20	<20	<20	<20	<20	<20
Aroclor 1016	0.09*	<20	<20	<20	<20	<20	<20
Aroclor 1221	0.09*	<20	<20	<20	<20	<20	<20
Aroclor 1232	0.09*	<20	<20	<20	<20	<20	<20
Aroclor 1242	0.09*	<20	<20	<20	<20	<20	<20
Aroclor 1248	0.09*	<20	<20	<20	<20	<20	<20
Aroclor 1254	0.09*	<20	<20	<20	<20	<20	<20
Aroclor 1260	0.09*	<20	<20	<20	<20	<20	<20
Alachlor	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Atrazine	7.5	<2	<2	<2	<2	<2	<2
Metolachlor	n/a	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Metribuxin	n/a	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Propachlor	35	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table 5
Island Hill Golf Course Sayville, New York

Groundwater Results
Volatile, Semi-Volatile, Metals and Pesticides/Herbicides

Compound	NYSDEC Groundwater Standards**	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6
Simazine	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dibromoethane	0.0006	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromo-3-Chlorpropane	0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Herbicides by EPA Method 515 - ug/L							
Dalapon	50	<20	<20	<20	<20	<20	<20
Dicambia	0.44	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-4-D	50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2,4,5-TP (Silvex)	0.26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dinoseb	1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Picloram	50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Perchlorate by EPA Method 314 - ug/l							
Perchlorate	n/a	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0

Notes:
* - Guidance Value
n/a - Not available
** - New York State Ambient Water Quality Standards
Bold/Shaded - indicates exceedance of the NYSDEC Groundwater Standard
ND - Not Detectable

October 10, 2013

Mr. Gregg Rechler, Partner
R Squared LLC
85 South Service Road
Plainview, New York 11803

RE: Review of 2006 Phase II report
Island Hills Golf Club, Sayville, NY

Dear Mr. Rechler:

In 2006, P.W. Grosser Consulting Inc. (PWGC) conducted a Phase I and Phase II of the Island Hills Golf Club in its entirety. This included Parcels 1 and 2 (the residential lots and the Clubhouse parking lot). Based upon our earlier conversation, R Squared LLC is looking to acquire the primary (Consisting of the course area under the TIC) through a bank foreclosure. As part of your due diligence on assessing the property, PWGC has reviewed the 2006 Phase II findings and evaluated the conclusions at the time in comparison to the current regulatory standards and practices. A copy of the 2006 Phase II executive summary is attached.

The 2006 Phase II identified Environmental Compliance issues associated with tank registration lapses. Estimated costs to bring the site back into compliance with the Suffolk County Department of Health Services (SCHDS) was estimated at $10,000 to $12,500 plus an additional $12,000 in estimated fines. PWGC is not aware of the current conditions, and these issues could have been resolved by Island Hills Golf Club since 2006. Should the issues still exist, PWGC does not see any changes in the estimated compliance costs from 2006, however in our experience, the SCDHS is less likely to levy fines, and we would expect the $12,000 in estimated fines to be lower. Should this issues be remedied voluntarily (rather than the SCDHS identifying the compliance issue and citing the site with a violation), the SCDHS is unlikely in our experience to issue a fine.

The second issue was associated with the abandonment of a 550 gallon underground storage tank (UST). Given the assumption that the tank has not leaked, the $6,000 to $8,000 estimated provided is still valid.

Underground Injection Control (UIC) structures were identified as a site issue with an estimated cost of $40,000 to $50,000 to address. The bulk of the remedial costs were associated with the remediation the sanitary system associated with the clubhouse. Analytical testing revealed elevated levels of dichlorobenzene in sanitary leaching

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pool S-4. This system is located in the parking lot of the Clubhouse (Parcel 1), and therefore would not be part of the proposed property transfer. The assessment and potential remediation of the remaining structures is estimated at $25,000.

During the Phase II, groundwater samples were collected from six locations across the site. Analytical results did not reveal elevated concentrations of Volatile Organic compounds (VOCs), Semi-VOCs (SVOCs), pesticides or herbicides. Testing did reveal elevated levels of nine metals including arsenic, chromium, copper, iron, manganese, sodium, nickel, lead, and zinc. Suspended soil particles in groundwater samples can artificially raise the levels of metals in a groundwater sample. The samples collected in 2006 were for total metals which are not filtered to remove suspended particles. Due to the sampling method (temporary well screens) it is likely that suspended particles were present. Since nearly half of the metals detected are associated with naturally occurring minerals (iron, manganese, sodium, and nickel) present on Long Island, the elevated metals detections are likely due to the sample collection method. Rather than install 10 permanent wells and sample quarterly for a year as proposed, PWGC would recommend re-collecting groundwater samples at three of the six initial locations with a geoprobe and analyzing those samples for both total (unfiltered) and dissolved (filtered) metals as well as pesticides and herbicides. This would allow current data to be assessed before a decision to install permanent wells is made. The estimated cost to collect and evaluate these groundwater samples would be between $5,000 and $7,000.

The 2006 Phase II identified elevated concentrations of Mercury, Chlordane, and Heptachlor Epoxide across much of the golf course property. The Chlordane and Heptachlor Epoxide are associated with pesticides and mercury was historically associated with fungicides. The elevated concentrations are consistent with the sites operation as a golf course since 1927. PWGC did not encountered concentrations indicative of spills or dumping, the concentrations and distribution were consistent with application of pesticides / herbicides over the sites 86 years of operation. Since Mercury based fungicides, Chlordane, and Heptachlor are no longer used, the concentrations detected in 2006 should naturally degrade over time. Should the site continue to operate as a golf course, remediation to address the soil contamination should not be required as groundwater does not appear to be adversely affected by the presence of mercury, Heptachlor Epoxide and Chlordane in the shallow soils (see above). PWGC provided an estimated remedial cost of $6,750,000 to $7,750,000 in the 2006 Phase II based upon the removal of the top six inches of soil across the entire property. This was based upon the regulatory guidance documents at the time and a plan to redevelop the entire property as a residential development. Since 2006, the New York State Department of Environmental Conservation (NYSDEC) has migrated from a single set of soil cleanup criteria as contained in TAGM 4046 to risk

based objectives is contained in NYSDEC CP-51/ 6 NYCRR Part 375. The newer soil cleanup objectives allow for less stringent cleanup objectives depending upon site use. When the old TAGM standards were uses, excedance of one soil cleanup standard occured at greater than 90% of the soil sample locations across the site. When compared to the current Part 375 residential standards, approximately 25% of the locations exceed standard. The new Part 375 standards are designed for managing contaminated soils under a site management plan (SMP) rather than removal and disposal as proposed in 2006. This course of action is currently more common than it was in 2006. The SMP could allow for various options to manage the soils onsite including environmental easements, vertical mixing of soils, and capping. These options can be integrated into redevelopment of the property and avoid costly soil disposal. Soil management plans are also referenced as an option in SCDHS Division of Environmental Quality "Procedures for Municipalities to Evaluate the Need for Soil Sampling and Soil Management at Subdivisions or Other Construction Projects with Potential Contaminated Soils" (Draft February 2006). PWGC cannot estimate the differential cost to address the impacted soils during development as the cost will be dependent upon the nature of the development and the total area to be developed, but the cost would be significantly less than the cost to remove soil across the entire property which represents a worst case cost scenario.

If you have any question or comments, please do not hesitate to contact either of the undersigned.

Very truly yours,
P.W. Grosser Consulting, Inc.

Bryan A. Devaux
Vice President

PWGC
Strategic Environmental Engineering Solutions

ATTACHMENTS
2006 Phase II Executive Summary

EXECUTIVE SUMMARY

A Phase II investigation was performed to address the 15 Recognized Environmental Conditions (RECs) identified in the Phase I Environmental Site Assessment ("ESA") for the Island Hills Golf Course, Sayville, New York. The site was operated as a golf course from 1927 and has a high potential for historical usage of pesticides and herbicides; therefore an assessment of general site conditions, soil and groundwater, was performed. The Phase II investigation identified significant soil contamination in surface soil and within leaching structures which warrant further investigation and/or remedial action. In addition, environmental compliance issues relative to storage tanks and closures were identified.

Surface soil sample results exceeded regulatory criteria at 29 of the 30 locations around the site for semi volatile organic compounds (SVOCs), metals, and/or pesticides; in some cases the exceedances were as much as 100 times the regulatory level. Based upon these exceedances it is recommended that regulatory officials be engaged to determine the extent of remedial action that may be required. Since significant contamination of SVOCs, metals and pesticides is widespread and higher concentrations may be present, we recommend the installation of groundwater monitoring wells and sampling to determine whether groundwater quality has been impacted. In addition, at a minimum, preparation and implementation of a Site-Specific Soil Management Plan (SMP) is recommended for the Island Hills Golf Course to protect workers, guests and prevent the spread of contamination. The SMP should be accompanied by a Site Specific Health and Safety Plan to communicate hazards, protect workers and outline annual training requirements.

Concentrations of contaminants exceeded regulatory levels and warrant remediation at five of ten locations relative to structures that fall under the US Environmental Protection Agency's (EPA) Underground Injection Control (UIC) Program; locally UICs are under the jurisdiction of the Suffolk County Department of Health Services (SCDHS). These results were identified at five locations; two associated with the Club House and three relative to the South Maintenance Building: sanitary leaching structure, maintenance pit and storm drain. Based upon these results, remediation by removal of sediments is warranted and should be performed in accordance with SCDHS protocol.

Proper closure of below grade structures and compliance with waste drum storage and storage tank regulations is necessary. Based upon site conditions it is likely that there is a former sanitary structure associated with the Pro-Shop and it is recommended that this structure be located, sampled and properly closed in accordance with SCDHS protocol. In addition, it is recommended that the waste drums in the landscape debris area and their contents be properly characterized and disposed and a SCDHS compliant staging area be established. There are three issues associated with petroleum storage relative to the support buildings that require action. On-site petroleum storage tanks are not in compliance and require registrations as well as upgrades. Also there is an inactive underground storage tank located inside the Pro-Shop, beneath the concrete floor in the golf cart storage area that should be registered and properly abandoned. In addition, relative to the Pro-Shop there is a fuel oil above ground storage tank that does not comply with SCDHS requirements and it is recommended the tank be upgraded.

The sanitary system associated with the Central Maintenance Building was not been sampled due to a broken cover. Four sanitary structures associated with the Club House were not sampled due to site access limitations. It is recommended that these structures be sampled once access is granted. The Central Maintenance Building may have been a storage location for chemicals and pesticides, indicating a

moderate potential for contamination. In addition, the Club House septic tank sample reported concentrations in excess of SCDHS criteria and it is expected that this structure was periodically maintained, reducing contaminant levels. Conversely, the four associated leaching pools do not have covers to grade and would not have been maintained and therefore has a higher potential to have accumulated contaminants that would likely require remediation.

Groundwater sample results indicate concentrations met applicable regulatory criteria, with the exception of metals. Metals exceeded the groundwater standards in all six locations. To determine if groundwater quality has been impacted by on-site activities we recommend further groundwater monitoring.

To rectify environmental compliance issues as well as address environmental conditions that warrant further investigation and remedial action, costs were compiled. The estimated costs along with the major assumptions are summarized in the following table.

No	Issue	RECs	Cost	Comments/Assumptions
1	Environmental Compliance	03, 07, & 13	$10,000 -- $12,500 Plus Fines $12,000	UST Registrations and upgrade AST. In addition to filing the registrations and fees, the SCDHS has been issuing fines for lapsed registrations. Upgrade Pro-Shop fuel oil AST. Disposal of waste drums and their contents: assume no process knowledge, characterization of standing liquid, disposal of three drums of non-hazardous liquid, 2 days to complete drum removal and disposal of 10 empty drums.
2	UST Abandonment	05	$6,000 -- $8,000	Fuel oil UST abandonment. Assumes 1-550 gallon UST, 1 day to complete, no liquid present, one drum of sludges, sample below UST with no contamination, backfill with clean sand and UST closure report.
3	UIC Remediation / Closure	01, 04A, 09, 10, 11, & 12	$40,000 – $50,000	UIC Remediation: 10 structures - Club House systems: SS-1, SS-3 septic tank and 4 UIC structures (not sampled), Central Maintenance Bldg SS-5 (not sampled) S. Maintenance Building: maintenance pit, sanitary structure SS-6 and storm drain SD-4. Assumes removal of sediments effective and clean endpoint samples obtained. UIC Closure: Locate & sample former Pro-Shop Sanitary (SS-4A)-assume results do not warrant cleanout, obtain SCDHS approval to backfill clean sand and obtain closure.
4	Surface Soil Contamination	16	$6,750,000 -- $7,750,000	Surface Soil Remedial Action: assume excavate to 0.5 feet across site with off-site disposal and backfill.
5	Groundwater Quality	17	$60,000 -- $75,000	Groundwater Monitoring: installation of 10 groundwater monitoring wells with four rounds of samples and assume no groundwater remediation is warranted.

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APPENDIX G
EDR RADIUS MAP REPORT

RSL1401
458 Lakeland Avenue
Sayville, NY 11782

Inquiry Number: 4019942.22s
July 28, 2014

The EDR Radius Map™ Report with GeoCheck®

Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

458 LAKELAND AVENUE
SAYVILLE, NY 11782

COORDINATES

Latitude (North):	40.7570000 - 40° 45' 25.20''
Longitude (West):	73.0982000 - 73° 5' 53.52''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	660539.0
UTM Y (Meters):	4513310.5
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-G1 PATCHOGUE, NY
Most Recent Revision:	1967
South Map:	40073-F1 SAYVILLE, NY
Most Recent Revision:	1976

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20110508
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ISLAND HILLS GOLF CLUB 458 LAKELAND AVENUE SAYVILLE, NY	NY Spills Spill Number/Closed Date: 0511071 / 3/21/2006	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY SHWS ---------- Inactive Hazardous Waste Disposal Sites in New York State
NY VAPOR REOPENED ---------- Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF ---------- Facility Register

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

NY HIST LTANKS Listing of Leaking Storage Tanks
INDIAN LUST Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY TANKS Storage Tank Faciliy Listing
NY CBS UST Chemical Bulk Storage Database
NY MOSF UST Major Oil Storage Facilities Database
NY CBS AST Chemical Bulk Storage Database
NY MOSF AST Major Oil Storage Facilities Database
NY MOSF Major Oil Storage Facility Site Listing
NY CBS Chemical Bulk Storage Site Listing
INDIAN UST Underground Storage Tanks on Indian Land
FEMA UST Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY ENG CONTROLS Registry of Engineering Controls
NY INST CONTROL Registry of Institutional Controls
NY RES DECL Restrictive Declarations Listing

State and tribal voluntary cleanup sites

NY VCP Voluntary Cleanup Agreements
INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP Environmental Restoration Program Listing
NY BROWNFIELDS Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI Open Dump Inventory
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
NY SWTIRE Registered Waste Tire Storage & Facility List
NY SWRCY Registered Recycling Facility List
INDIAN ODI Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL Clandestine Drug Labs
NY DEL SHWS Delisted Registry Sites
US HIST CDL National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

NY HIST UST Historical Petroleum Bulk Storage Database

NY HIST AST ---- Historical Petroleum Bulk Storage Database

Local Land Records

LIENS 2 ---- CERCLA Lien Information
NY LIENS ---- Spill Liens Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
NY Hist Spills ---- SPILLS Database
NY SPILLS 90 ---- SPILLS 90 data from FirstSearch
NY SPILLS 80 ---- SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS ---- Incident and Accident Data
DOD ---- Department of Defense Sites
FUDS ---- Formerly Used Defense Sites
CONSENT ---- Superfund (CERCLA) Consent Decrees
ROD ---- Records Of Decision
UMTRA ---- Uranium Mill Tailings Sites
US MINES ---- Mines Master Index File
TRIS ---- Toxic Chemical Release Inventory System
TSCA ---- Toxic Substances Control Act
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ---- Section 7 Tracking Systems
PADS ---- PCB Activity Database System
MLTS ---- Material Licensing Tracking System
RADINFO ---- Radiation Information Database
RAATS ---- RCRA Administrative Action Tracking System
RMP ---- Risk Management Plans
NY HSWDS ---- Hazardous Substance Waste Disposal Site Inventory
NY UIC ---- Underground Injection Control Wells
NY DRYCLEANERS ---- Registered Drycleaners
NY AIRS ---- Air Emissions Data
NY E DESIGNATION ---- E DESIGNATION SITE LISTING
INDIAN RESERV ---- Indian Reservations
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
NY COAL ASH ---- Coal Ash Disposal Site Listing
NY Financial Assurance ---- Financial Assurance Information Listing
LEAD SMELTERS ---- Lead Smelter Sites
2020 COR ACTION ---- 2020 Corrective Action Program List
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
COAL ASH DOE ---- Steam-Electric Plant Operation Data
US FIN ASSUR ---- Financial Assurance Information
PCB TRANSFORMER ---- PCB Transformer Registration Database
EPA WATCH LIST ---- EPA WATCH LIST
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
PRP ---- Potentially Responsible Parties

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA LF ..... Recovered Government Archive Solid Waste Facilities List
NY RGA HWS ..... Recovered Government Archive State Hazardous Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST SAYVILLE IFS TRANSMITTER	***CHERRY AVE***	***S 1/8 - 1/4 (0.240 mi.)***	***44***	***147***

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/11/2014 has revealed that there is

EXECUTIVE SUMMARY

1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUN AUTO GROUP	***4825 SUNRISE HWY***	***WNW 1/8 - 1/4 (0.146 mi.)***	***H32***	***87***

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 8 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUNRISE GARDEN APT Spill Number/Closed Date: 9704618 / 8/14/1997	LAKELAND AVENUE	N 0 - 1/8 (0.051 mi.)	C6	15
CUMBERLAND FARMS 70209 Spill Number/Closed Date: 1202591 / 10/19/2012	***4909 SUNRISE HWY***	***NW 0 - 1/8 (0.089 mi.)***	***D12***	***30***
AMOCO S/S Spill Number/Closed Date: 9403110 / 2/22/1995	***635 SMITHTOWN AVENUE***	***W 1/8 - 1/4 (0.213 mi.)***	***I42***	***141***
PAUL SCHNECBERG & SONS Spill Number/Closed Date: 9209189 / 3/5/1997	286 JOHNSON AVENUE	ENE 1/4 - 1/2 (0.364 mi.)	J46	163
SAYVILLE MIDDLE SCHOOL Spill Number/Closed Date: 9303436 / 2/9/1994	***291 JOHNSON AVENUE***	***ENE 1/4 - 1/2 (0.367 mi.)***	***J47***	***165***
BOSTI ELEMENTARY SCHOOL Spill Number/Closed Date: 8800135 / 6/22/1988	4 BOURN BLVD	SW 1/4 - 1/2 (0.457 mi.)	49	167

Lower Elevation	Address	Direction / Distance	Map ID	Page
GAZALOFF/P&G FUEL Spill Number/Closed Date: 9508717 / 11/27/1995	386 HILLSIDE AVENUE	SSE 1/4 - 1/2 (0.432 mi.)	48	166
FAIRFIELD PROPERTIES Spill Number/Closed Date: 8900985 / 7/3/1989	EAST STREET & SHERRY LA	S 1/4 - 1/2 (0.483 mi.)	50	169

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 03/31/2014 has revealed that there are 11 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CUMBERLAND GULF #70209	4909 RTE 27 SUNRISE HWY	NW 0 - 1/8 (0.089 mi.)	D11	21
EXXON DIV OF CFI #70209	***4909 SUNRISE HWY***	***NW 0 - 1/8 (0.089 mi.)***	***D16***	***40***
JFA COLLISION	1 ARTIC AVE	W 0 - 1/8 (0.092 mi.)	E17	52

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GAZZA	***123 TOLEDO ST***	***SW 0 - 1/8 (0.112 mi.)***	***G26***	***74***
KOSTER KEUNEN INC	90 BOURNE BLVD	SW 0 - 1/8 (0.112 mi.)	G27	80
COUNTRY CLUB APTS	342 CNTY RD 93 LAKELAND	SE 1/8 - 1/4 (0.163 mi.)	36	117
GAS STATION	***4808 RTE 27 SUNRISE HWY***	***WNW 1/8 - 1/4 (0.166 mi.)***	***H38***	***120***
SUNRISE DIAGNOSTICS & AMOCO S/	***635 SMITHTOWN AVE***	***W 1/8 - 1/4 (0.213 mi.)***	***I40***	***130***
CHASE MANHATTAN BANK	5141 RTE 27 SUNRISE HWY	NNE 1/8 - 1/4 (0.230 mi.)	43	146
BOHEMIA AUTO WASH	***4740 SOUTH SUNRISE HWY***	***W 1/8 - 1/4 (0.250 mi.)***	***I45***	***152***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ISLAND HILLS GOLF CLUB	***CNTY RD 93 LAKELAND AVE***	***0 - 1/8 (0.000 mi.)***	***A2***	***9***

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 03/31/2014 has revealed that there are 9 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXXON 70209	4909 RTE 27 SUNRISE HWY	NW 0 - 1/8 (0.089 mi.)	D13	37
CUMBERLAND GULF #70209	4909 RTE 27 SUNRISE HWY	NW 0 - 1/8 (0.089 mi.)	D14	38
GAZZA	***123 TOLEDO ST***	***SW 0 - 1/8 (0.112 mi.)***	***G26***	***74***
GENERATION KIA	4825 SUNRISE HWY	WNW 1/8 - 1/4 (0.146 mi.)	H33	102
GAS STATION	***4808 RTE 27 SUNRISE HWY***	***WNW 1/8 - 1/4 (0.166 mi.)***	***H38***	***120***
K MART	5151 RTE 27 SUNRISE HWY	NNE 1/8 - 1/4 (0.177 mi.)	39	129
SUNRISE DIAGNOSTICS & AMOCO S/	***635 SMITHTOWN AVE***	***W 1/8 - 1/4 (0.213 mi.)***	***I40***	***130***
BOHEMIA AUTO WASH	***4740 SOUTH SUNRISE HWY***	***W 1/8 - 1/4 (0.250 mi.)***	***I45***	***152***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ISLAND HILLS GOLF CLUB	***CNTY RD 93 LAKELAND AVE***	***0 - 1/8 (0.000 mi.)***	***A2***	***9***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/19/2014 has revealed that there are 17 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNKNOWN Spill Number/Closed Date: 1004768 / 6/6/2011	640 BOHEMIA PKWY	SW 0 - 1/8 (0.009 mi.)	3	13
CURCIO RESIDENCE Spill Number/Closed Date: 1111813 / 1/31/2012	168 TERRY ROAD	SSW 0 - 1/8 (0.013 mi.)	4	14
E&B INDUSTRIAL CLEANING Spill Number/Closed Date: 8806243 / 5/4/1989	LAKELAND AVE & SUNRISE	N 0 - 1/8 (0.051 mi.)	C7	16

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OCEAN ROCK & DIVING Spill Number/Closed Date: 9708750 / 9/22/1999	LAKELAND AVENUE	N 0 - 1/8 (0.051 mi.)	C8	17
KOSTER KEUNEN COMPANY Spill Number/Closed Date: 9010920 / 2/6/1991	BOURNE BLVD	SSW 0 - 1/8 (0.058 mi.)	B9	19
RESIDENCE Spill Number/Closed Date: 1005397 / 8/13/2010	220 TERRY ROAD	SW 0 - 1/8 (0.081 mi.)	10	20
CUMBERLAND FARMS 70209 Spill Number/Closed Date: 1204916 / 2/8/2013 Spill Number/Closed Date: 0804031 / 8/7/2008 Spill Number/Closed Date: 0805016 / 7/31/2008 Spill Number/Closed Date: 0904734 / 3/22/2010 Spill Number/Closed Date: 0902645 / 7/17/2009 **Additional key fields are available in the Map Findings section*	***4909 SUNRISE HWY***	***NW 0 - 1/8 (0.089 mi.)***	***D12***	***30***
UNKNOWN Spill Number/Closed Date: 0401075 / 10/6/2004	LAKELAND AVE/SUNRISE HW	N 0 - 1/8 (0.098 mi.)	C18	53
ALICE CONTRACTING/BULLET Spill Number/Closed Date: 0009331 / 2/20/2001	SUNRISE/LAKELAND	N 0 - 1/8 (0.098 mi.)	C19	54
SAYVILLE BOWLING ALLEY Spill Number/Closed Date: 9012854 / 3/28/1991	SUNRISE HWY & LAKELAND	N 0 - 1/8 (0.098 mi.)	C20	56
TRI VENTURE Spill Number/Closed Date: 9712382 / 7/6/1998	SUNRISE HWY/LAKELAND AV	N 0 - 1/8 (0.100 mi.)	F21	57
UNK Spill Number/Closed Date: 9506171 / 8/23/1995	SUNRISE HWY & LAKELAND	N 0 - 1/8 (0.100 mi.)	F22	58
RUBYAN BRAND RESIDENCE Spill Number/Closed Date: 9909524 / 5/17/2004	82 TERRY ROAD	S 0 - 1/8 (0.106 mi.)	23	59
KOSTER KEUNEN INC Spill Number/Closed Date: 8704744 / 9/10/1987	***90 BOURNE BLVD***	***SW 0 - 1/8 (0.112 mi.)***	***G25***	***61***
UNKNOWN Spill Number/Closed Date: 0402922 / 6/17/2004	LAKELAND AVE/RTE 27 SVC	N 0 - 1/8 (0.115 mi.)	F28	84
UNK Spill Number/Closed Date: 0025378 / 1/23/2001	11TH ST/SUNRISE SOUTH S	N 0 - 1/8 (0.115 mi.)	F29	85
RESIDENCE Spill Number/Closed Date: 0901692 / 5/12/2009	78 ISLAND BLVD	WSW 0 - 1/8 (0.118 mi.)	30	86

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/11/2014 has revealed that there are 5 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EXXON DIV OF CFI #70209	***4909 SUNRISE HWY***	***NW 0 - 1/8 (0.089 mi.)***	***D16***	***40***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KOSTER KEUNEN INC	*90 BOURNE BLVD*	*SW 0 - 1/8 (0.112 mi.)*	*G25*	*61*
ARIEL GRAPHICS	*80 BOURNE BLVD*	*SW 1/8 - 1/4 (0.164 mi.)*	*37*	*118*
TARTAN OIL CO	*635 SMITHTOWN AVE*	*W 1/8 - 1/4 (0.213 mi.)*	*I41*	*137*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WEST SAYVILLE IFS TRANSMITTER	*CHERRY AVE*	*S 1/8 - 1/4 (0.240 mi.)*	*44*	*147*

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 05/01/2014 has revealed that there are 5 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CUMBERLAND FARMS 70209	*4909 SUNRISE HWY*	*NW 0 - 1/8 (0.089 mi.)*	*D12*	*30*
KOSTER KEUNEN INC	*90 BOURNE BLVD*	*SW 0 - 1/8 (0.112 mi.)*	*G25*	*61*
SUN AUTO GROUP	*4825 SUNRISE HWY*	*WNW 1/8 - 1/4 (0.146 mi.)*	*H32*	*87*
TARTAN OIL CO	*635 SMITHTOWN AVE*	*W 1/8 - 1/4 (0.213 mi.)*	*I41*	*137*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WEST SAYVILLE IFS TRANSMITTER	*CHERRY AVE*	*S 1/8 - 1/4 (0.240 mi.)*	*44*	*147*

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 05/01/2014 has revealed that there is 1 NJ MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEE CHEVROLET INC.	4825 SUNRISE HWY	WNW 1/8 - 1/4 (0.146 mi.)	H34	106

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 4 EDR US

Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	4909 SUNRISE HWY	NW 0 - 1/8 (0.089 mi.)	D15	39
Not reported	4850 SUNRISE HWY	W 0 - 1/8 (0.109 mi.)	E24	60
Not reported	4825 SUNRISE HWY	WNW 1/8 - 1/4 (0.146 mi.)	H31	87
Not reported	608 CEDAR AVE	WSW 1/8 - 1/4 (0.148 mi.)	35	117

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there is 1 EDR US Hist Cleaners site within approximately 0.25 miles of the target property.

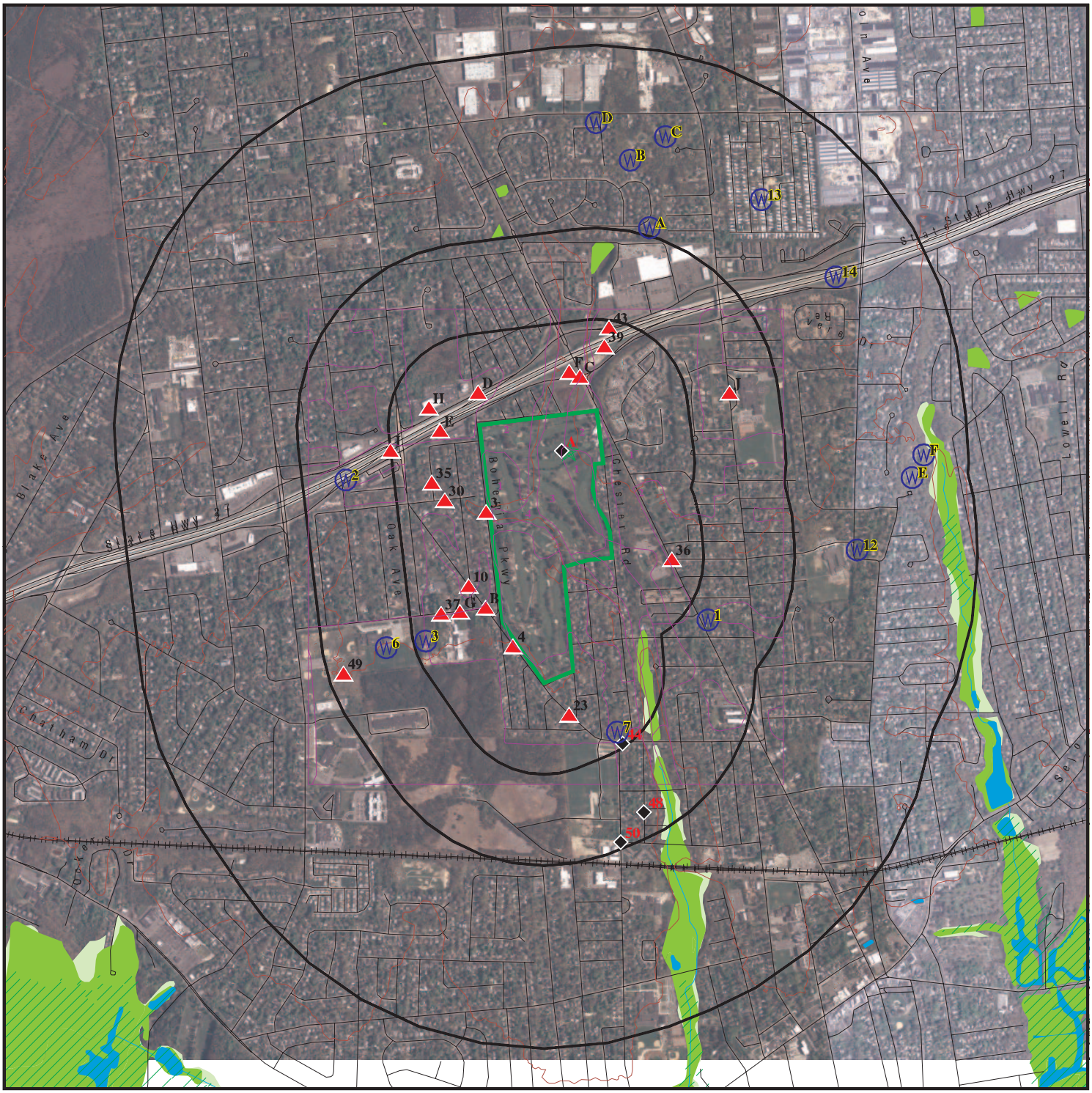
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	211 TERRY RD	SSW 0 - 1/8 (0.041 mi.)	B5	15

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 33 records.

Site Name	Database(s)
NYSDEC	NY MANIFEST
NYS GILBERT LAKE STATE PARK	RCRA NonGen / NLR, NY MANIFEST
VALERO GAS STATION	RCRA-CESQG, NY MANIFEST
NYS LI PK & REC-BAYARD CUTTING ARB	RCRA NonGen / NLR, NY MANIFEST
H/ALESSANDRA CLEANERS	NY DRYCLEANERS
SALES & SERVICES UNION-OOB-	NY UST
SHELL S/S #100207	NY UST
ARTHUR PREMM ELEMENTARY SCHOOL	NY UST
SCWA KAYRON DR WELLFIELD - OAKDALE	NY UST, NY AST
GETTY S/S #00443	NY UST, NY AST
SAYVILLE FIRE DEPT	NY UST, NY AST
EXXON S/S #37479	NY UST
GRAND UNION	NY UST
DICKS GULF S/S	NY UST
GAS STATION -OOB-	NY UST
WEST SAYVILLE CO PARK GOLF COURSE	NY UST
W SAYVILLE CO PARK GOLF COURSE	NY UST, NY AST
SHELL S/S #100207	NY AST
SCWA	NY AST
DICKS GULF S/S	NY AST
AMOCO SERVICE STATION	NY AST
ALESSANDRA CLEANERS/H CLEANERS	NY AST
WEST SAYVILLE CO PARK GOLF COURSE	NY AST
ROADWAY	NY Spills
SOUTH OF TRAIN TRACKS	NY Spills
INTERSECTION	NY Spills
ROADWAY	NY Spills
UNKNOWN	NY Spills
SPILL NUMBER 0210500	NY Spills
LILCO	NY Spills
PAPAS FURS	NY Spills
UNK TRUCK	NY Spills
PELLA AUTO SALES	NY Spills

overview MAP - 4019942.22s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	RSL1401	CLIENT:	P.W. Grosser Consulting
ADDRESS:	458 Lakeland Avenue Sayville NY 11782	CONTACT:	Rocky Wenskus
LAT/LONG:	40.757 / 73.0982	INQUIRY #:	4019942.22s
		DATE:	July 28, 2014 4:55 pm

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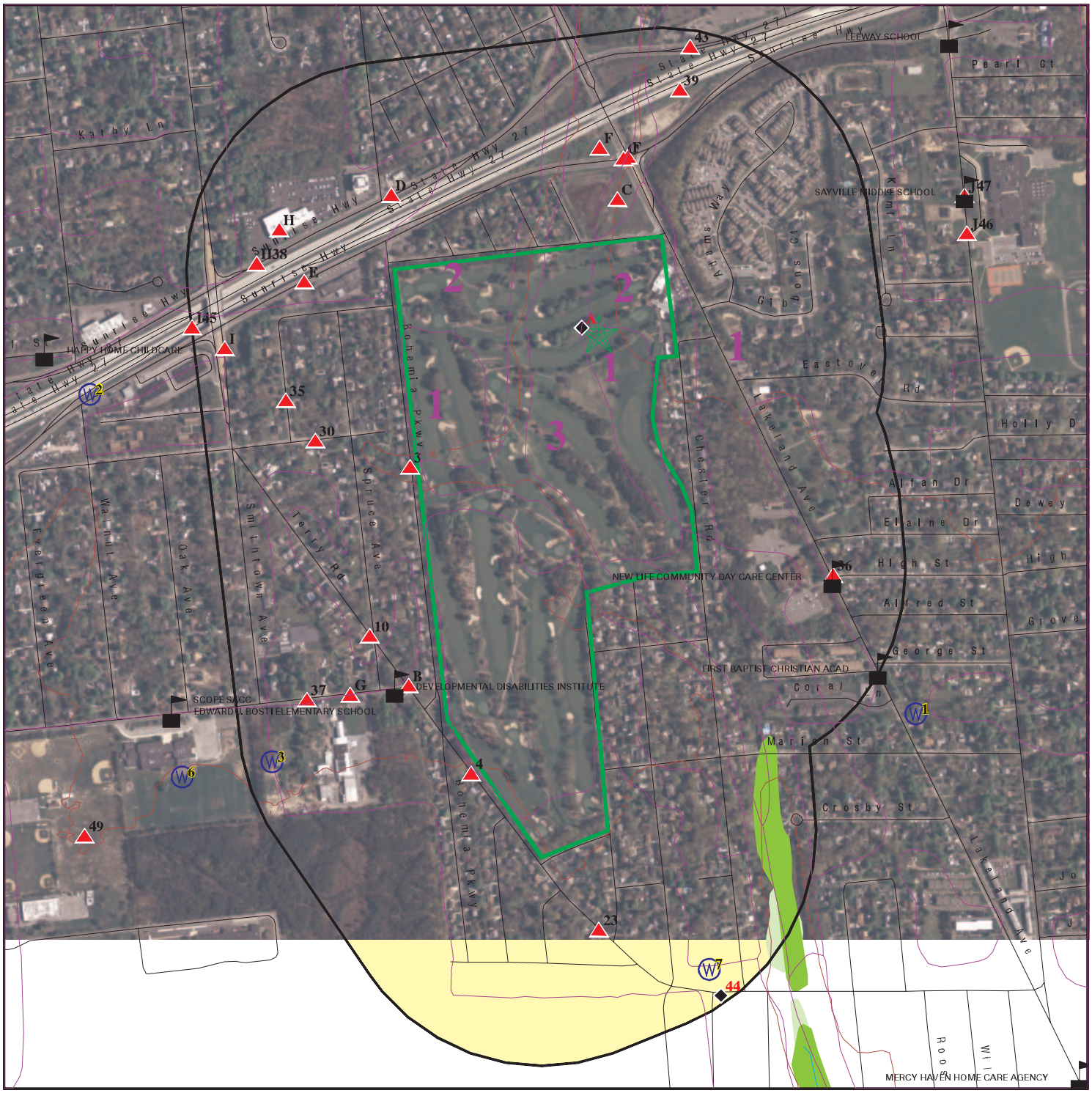
detail MAP - 4019942.22s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	RSL1401	CLIENT:	P.W. Grosser Consulting
ADDRESS:	458 Lakeland Avenue Sayville NY 11782	CONTACT:	Rocky Wenskus
LAT/LONG:	40.757 / 73.0982	INQUIRY #:	4019942.22s
		DATE:	July 28, 2014 4:56 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	1	0	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	0	NR	0
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
NY LTANKS	0.500		2	1	5	NR	NR	8
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
NY TANKS	0.250		0	0	NR	NR	NR	0
NY UST	0.250		6	5	NR	NR	NR	11
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		4	5	NR	NR	NR	9
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	17	NR	NR	NR	NR	18
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	3	NR	NR	NR	5
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		2	3	NR	NR	NR	5
NJ MANIFEST	0.250		0	1	NR	NR	NR	1
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		2	2	NR	NR	NR	4
EDR US Hist Cleaners	0.250		1	0	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA LF	TP		NR	NR	NR	NR	NR	0
NY RGA HWS	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target
Property

ISLAND HILLS GOLF CLUB
458 LAKELAND AVENUE
SAYVILLE, NY

NY Spills **S107521425**
N/A

Site 1 of 2 in cluster A

Actual:
35 ft.

SPILLS:

Facility ID:	0511071
Facility Type:	ER
DER Facility ID:	307187
Site ID:	357155
DEC Region:	1
Spill Date:	12/21/2005
Spill Number/Closed Date:	0511071 / 3/21/2006
Spill Cause:	Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	HMCIRRIT
Referred To:	Not reported
Reported to Dept:	12/21/2005
CID:	408
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/21/2005
Spill Record Last Update:	8/13/2008
Spiller Name:	JOHN GENOVESI
Spiller Company:	ISLAND HILLS GOLF CLUB
Spiller Address:	458 LAKELAND AVE
Spiller City,St,Zip:	SAYVILLE, NY
Spiller Company:	001
Contact Name:	JOHN
Contact Phone:	(631) 445-7092
DEC Memo:	12/21/05 15;25 LEFT MESSAGE FOR STEVE-G&M DEGE, LINE TEST, BAD CHECK VALVE, DOES NOT BELIEVE THERE IS A SPILL, PLANS TO RETEST LINEREPLACED CHECK VALVE, ACTUALLY FOUND SYSTEM TO HAVE 2 DO THEY REMOVED THE ONE AT THE TANK TOP
Remarks:	SUFFOLK CTY #05-0623. 99% SURE THAT THE PRODUCT IS GOING BACK INTO THE TANK.

Material:

Site ID:	357155
Operable Unit ID:	1114434
Operable Unit:	01
Material ID:	2104507
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

ISLAND HILLS GOLF CLUB (Continued) **S107521425**

Oxygenate: False

Tank Test:

A2 **ISLAND HILLS GOLF CLUB** **NY UST U003843439**
CNTY RD 93 LAKELAND AVE **NY AST N/A**
< 1/8 **SAYVILLE, NY 11782**
1 ft.

Site 2 of 2 in cluster A

Relative: Lower

Actual: 32 ft.

SUFFOLK CO. UST:

Region:	SUFFOLK
Site Ref#:	11452
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	11452
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	ISLAND HILLS GOLF CLUB
Storage Owner Address:	LAKELAND AVE.
Storage Owner City:	SAYVILLE
Storage Owner State:	NY
Storage Owner Zip:	11782

Tank Info:

Facility ID:	11452
Facility Reference #:	07235
Official Use:	Removed Tank. 86
Township:	ISLIP
Tax Map No:	0500 280.00 001 015.000
Region:	SUFFOLK
Permit to Operate:	Not reported
Tank ID:	1
Tank Key:	31792
Installed:	77
Capacity:	0000002000
Content:	GASOLINE
Date Removed:	010186
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000002000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported

ISLAND HILLS GOLF CLUB (Continued) **U003843439**

Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010186
Year Installed:	77
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	2
Tank Key:	31793
Installed:	86
Capacity:	0000001000
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FRP
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	Not reported
Year Installed:	86
Description of drop records:	RECORDS AS OF 09/10/2013

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	11452
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

ISLAND HILLS GOLF CLUB (Continued) **U003843439**

Site Ref#:	11452
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	ISLAND HILLS GOLF CLUB
Storage Owner Address:	LAKELAND AVE.
Storage Owner City:	SAYVILLE
Storage Owner State:	NY
Storage Owner Zip:	11782

Tank Info:

Facility ID:	11452
Facility Reference #:	07235
Township:	ISLIP
Tax Map No:	0500
Region:	SUFFOLK
Tank ID:	3
Tank Key:	31794
Year Installed:	79
Content:	DIESEL
Construction:	STEEL
Dispenser:	SUCTION
Official Use:	Removed Tank. 98
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000275
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	083198

Tank ID:	4
Tank Key:	31795
Year Installed:	Not reported
Content:	CHEMICAL STORAGE CON
Construction:	Not reported
Dispenser:	Not reported
Official Use:	Removed Tank. 98
Permit to Operate:	Not reported
Tank Location:	ABOVE

ISLAND HILLS GOLF CLUB (Continued) **U003843439**

Tabk Status:	Not reported
Total Capacity:	0000000000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	031798

Tank ID:	5
Tank Key:	31796
Year Installed:	Not reported
Content:	DIESEL
Construction:	STEEL
Dispenser:	SUCTION
Official Use:	Permitted Tank. Permit Runs Out. 04
Permit to Operate:	051099
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000300
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	Not reported

3
SW
< 1/8
0.009 mi.
48 ft.

UNKNOWN
640 BOHEMIA PKWY
SAYVILLE, NY

NY Spills **S110490436**
N/A

Relative:
Higher

Actual:
38 ft.

SPILLS:

Facility ID:	1004768
Facility Type:	ER
DER Facility ID:	393028
Site ID:	438054
DEC Region:	1
Spill Date:	7/27/2010
Spill Number/Closed Date:	1004768 / 6/6/2011
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	7/27/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/27/2010
Spill Record Last Update:	6/8/2011
Spiller Name:	JOSEPH BARBERA
Spiller Company:	NATIONAL GRID/LIPA
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	JOSPEH BARBERA
Contact Phone:	(516) 790-5726
DEC Memo:	POLE 35 TRANSFORMER
Remarks:	APPROX 1 GALLON DOWN POLE TO PAVEMENT/SOIL. CLEANUP PENDING.

Material:

Site ID:	438054
Operable Unit ID:	1188713
Operable Unit:	01
Material ID:	2183650
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

4
SSW
< 1/8
0.013 mi.
68 ft.

CURCIO RESIDENCE
168 TERRY ROAD
SAYVILLE, NY

NY Spills **S111457531**
N/A

Relative:
Higher

Actual:
40 ft.

SPILLS:

Facility ID:	1111813
Facility Type:	ER
DER Facility ID:	414187
Site ID:	459728
DEC Region:	1
Spill Date:	1/7/2012
Spill Number/Closed Date:	1111813 / 1/31/2012
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	1/7/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/7/2012
Spill Record Last Update:	4/24/2012
Spiller Name:	MR. CURCIO
Spiller Company:	CURCIO RESIDENCE
Spiller Address:	168 TERRY RD
Spiller City,St,Zip:	SAYVILLE, NY
Spiller Company:	999
Contact Name:	MR. CURCIO
Contact Phone:	6315673419
DEC Memo:	1/7/2011 12:50 t/c from Mike Delgado, Islip Hazmat on site.-Leak stopped, speedy dry deployed to the basement floor.-No drains/ soil affected.-House is owner occupied.-Advised Delgado that the home owner is responsible for the cleanup.-Islip FM to issue cleanup forthwith. (BD)01/10/12 1205 Hrs (A): HUGO (SERV-PRO) called to determine whether an inspector had been assigned.01/10/12 1205 Hrs (B): Informed him of what this office had been told, and that no inspector had been assigned. HE CONFIRMED THE SPILLAGE WAS ONLY ON CONCRETE.01/10/12 1205 Hrs (C): Directed him to send a letter summarizing what had happened; what was impacted; what was performed for a cleanup; etc to the Reg Spill Engineer requesting closure. DR
Remarks:	40 gal from hole in tank, patch on tank, 4 bags of speedie dry down, contained in concrete basement.

Material:

Site ID:	459728
Operable Unit ID:	1209811
Operable Unit:	01
Material ID:	2207363
Material Code:	0001A

CURCIO RESIDENCE (Continued) **S111457531**

Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

B5 **EDR US Hist Cleaners** **1015017283**
SSW **211 TERRY RD** **N/A**
< 1/8 **SAYVILLE, NY 11782**
0.041 mi.
218 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
44 ft.

EDR Historical Cleaners:

Name:	SUBURBAN CARPET UPHOLSTERY CLEANING
Year:	2008
Address:	211 TERRY RD

C6 **SUNRISE GARDEN APT** **NY LTANKS** **S102660068**
North **LAKELAND AVENUE** **N/A**
< 1/8 **BOHEMIA, NY**
0.051 mi.
269 ft. **Site 1 of 6 in cluster C**

Relative:
Higher

Actual:
40 ft.

LTANKS:

Site ID:	87162
Spill Number/Closed Date:	9704618 / 8/14/1997
Spill Date:	7/17/1997
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5200
Investigator:	BPAUSTIN
Referred To:	Not reported
Reported to Dept:	7/17/1997
CID:	257
Water Affected:	Not reported
Spill Notifier:	Health Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/17/1997
Spill Record Last Update:	8/15/1997
Spiller Name:	NONE
Spiller Company:	SUNRISE GARDEN APT
Spiller Address:	LAKELAND AVENUE
Spiller City,St,Zip:	BOHEMIA, NY

SUNRISE GARDEN APT (Continued) **S102660068**

Spiller County:	001
Spiller Contact:	NONE
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	1
DER Facility ID:	79894
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"3K #2 FUEL OIL WITH 2 PINHOLES, THEY'RE AWAITING DEC INSPECTION, SEWER LINE IS VISIBLE IN THE TANK HOLE, TANKS STILL ON SITE FOR INSPECTIONAUSTIN ON SITE, THOUROUGHLY CHECKED UNDISTURBED SOILS OF EXCAVATION BY VISUAL, FACTORY, AND PID. SOIL IS DISCOLORED FROM RUST AND TAR LIKE COATING OF TANKS. HOWEVER, NO INDICATION OF PETROLEUM CONTAMINATION FOUND IN ANY SAMPLE
Remarks:	DURING TANK REMOVAL THEY FOUND CONTAMINATED SOIL UNDER TANK

Material:

Site ID:	87162
Operable Unit ID:	1050482
Operable Unit:	01
Material ID:	553453
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C7 **E&B INDUSTRIAL CLEANING** **NY Spills** **S102095319**
North **LAKELAND AVE & SUNRISE HWY** **N/A**
< 1/8 **BOHEMIA, NY**
0.051 mi.
269 ft. **Site 2 of 6 in cluster C**

Relative:
Higher

Actual:
40 ft.

SPILLS:

Facility ID:	8806243
Facility Type:	ER
DER Facility ID:	155953
Site ID:	186589
DEC Region:	1
Spill Date:	10/25/1988
Spill Number/Closed Date:	8806243 / 5/4/1989
Spill Cause:	Deliberate
Spill Class:	Not reported
SWIS:	5228
Investigator:	CXONEILL
Referred To:	Not reported
Reported to Dept:	10/25/1988
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department

E&B INDUSTRIAL CLEANING (Continued) **S102095319**

Cleanup Ceased:	5/4/1989
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/26/1988
Spill Record Last Update:	6/5/2006
Spiller Name:	Not reported
Spiller Company:	E&B INDUSTRIAL CLEANING
Spiller Address:	50 NORTH BROOK AVENUE
Spiller City,St,Zip:	DEER PARK, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'NEILL FD"05/02/89: TOWN OF ISLIP PERSONNEL WOULD NOT RETURN CALLS REGARDING SAMPLE OF SOIL COLLECTED BY TOWN PERSONNEL.O'NEILL RE-INSPECTED SITE ON 5/1/89 AREA CLEANED UP,NO SOIL CONTAMINATION EVIDENT.FILE HAS BEEN DESTROYED ACCORDING TO STATE ARCHIVE AND RECORD ADMINISTRATOR RETENTION/DISPOSAL PROCEDURES
Remarks:	TOWN ENVIRONMENTAL UNIT WITNESSED DUMPING & STOPPED VEHICLE

Material:

Site ID:	186589
Operable Unit ID:	921399
Operable Unit:	01
Material ID:	454593
Material Code:	1133A
Material Name:	INDUSTRIAL SLUDGE
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C8 **OCEAN ROCK & DIVING** **NY Spills** **S102661222**
North **LAKELAND AVENUE** **N/A**
< 1/8 **BOHEMIA, NY**
0.051 mi.
269 ft. **Site 3 of 6 in cluster C**

Relative:
Higher

Actual:
40 ft.

SPILLS:

Facility ID:	9708750
Facility Type:	ER
DER Facility ID:	79894
Site ID:	87163
DEC Region:	1
Spill Date:	10/26/1997
Spill Number/Closed Date:	9708750 / 9/22/1999
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

OCEAN ROCK & DIVING (Continued) **S102661222**

SWIS:	5200
Investigator:	RDDECAND
Referred To:	Not reported
Reported to Dept:	10/27/1997
CID:	365
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/27/1997
Spill Record Last Update:	9/23/1999
Spiller Name:	Not reported
Spiller Company:	OCEAN ROCK & DIVING
Spiller Address:	LAKELAND AVENUE
Spiller City,St,Zip:	BOHEMIA, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DECANDIA"CLEANUP COMPLETE 4 DRUMS OF SOIL EXCAVATED, ONLY REC'VD DISPOSAL MANIFESTS FOR 1 DRUM. NO FURTHER ACTION,NO DISPOSAL LETTER SENT
Remarks:	RIGHT NEXT TO PETS WAREHOUSE - OIL FROM THEIR COMPRESSORS IS COMING OUT OF A PIPE THAT GOES RIGHT TO THE GROUND - THERE IS A 10 FT AREA CONTAMINATED WITH OIL, AS WELL AS THE SIDE OF THE BUILDING. THERE IS ALSO A DEAD BUSH THERE.

Material:

Site ID:	87163
Operable Unit ID:	1051821
Operable Unit:	01
Material ID:	330700
Material Code:	9999
Material Name:	Other -
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

B9
SSW
< 1/8
0.058 mi.
308 ft.

KOSTER KEUNEN COMPANY
BOURNE BLVD
SAYVILLE, NY

Site 2 of 2 in cluster B

NY Spills **S102097441**
N/A

Relative:
Higher

Actual:
43 ft.

SPILLS:

Facility ID:	9010920
Facility Type:	ER
DER Facility ID:	113800
Site ID:	132114
DEC Region:	1
Spill Date:	4/11/1990
Spill Number/Closed Date:	9010920 / 2/6/1991
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	5228
Investigator:	LUCE
Referred To:	Not reported
Reported to Dept:	1/11/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	DEC
Cleanup Ceased:	2/6/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/15/1991
Spill Record Last Update:	7/31/2009
Spiller Name:	Not reported
Spiller Company:	KOSTER KEUNEN COMPANY
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	NO ACTION REQUIRED, REF TO HAZ WASTE
Remarks:	MOULTANT BLACK LIQUID POURED INTO PITS DUG INTO GROUND THEN COVERING UP AGAIN. LOCATED IN BACK OF FACILITY

Material:

Site ID:	132114
Operable Unit ID:	948007
Operable Unit:	01
Material ID:	431026
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

KOSTER KEUNEN COMPANY (Continued) **S102097441**

Tank Test:

10
SW
< 1/8
0.081 mi.
426 ft.

RESIDENCE **NY Spills** **S110489806**
220 TERRY ROAD **N/A**
SAYVILLE, NY

Relative:
Higher

Actual:
43 ft.

SPILLS:

Facility ID:	1005397
Facility Type:	ER
DER Facility ID:	393694
Site ID:	438712
DEC Region:	1
Spill Date:	8/13/2010
Spill Number/Closed Date:	1005397 / 8/13/2010
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	8/13/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/13/2010
Spill Record Last Update:	12/24/2010
Spiller Name:	FRANK NAGLIERI
Spiller Company:	LIPA/NATIONAL GRID
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	FRANK NAGLIERI
Contact Phone:	(917) 578-0161
DEC Memo:	As per Frank, less than one gal of transformer oil spilled onto roadway at the above location.-Oil is non-PCB as per quick test.-Waste Recycling responded and cleaned up the spill.-No waterways affected by the spill. No further action required. (WG)
Remarks:	cleanup in progress

Material:

Site ID:	438712
Operable Unit ID:	1189362
Operable Unit:	01
Material ID:	2184317
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum

RESIDENCE (Continued) **S110489806**

Quantity: 1
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:

D11
NW
< 1/8
0.089 mi.
472 ft.

Relative: Higher

Actual: 51 ft.

CUMBERLAND GULF #70209 **NY UST** **U004219838**
4909 RTE 27 SUNRISE HWY **N/A**
BOHEMIA, NY 11716

Site 1 of 6 in cluster D

SUFFOLK CO. UST:
Region: SUFFOLK
Site Ref#: 12578
Status: ACTIVE
Site Type: PBS
Operating Permit Expires: 02/28/2017
Owner/Storage Information: AVAILABLE

Facility Info:
Site Ref#: 12578
Billing Contact: CUMBERLAND FARMS INC
Billing Address: 588 SILVER ST
Billing Address: AGAWAM
Billing State: MA
Billing Zip: 1001
Storage Owner: CUMBERLAND FARMS INC
Storage Owner Address: 100 CROSSING BLVD
Storage Owner City: Not reported
Storage Owner State: Not reported
Storage Owner Zip: Not reported

Tank Info:
Facility ID: 12578
Facility Reference #: Not reported
Official Use: Not reported
Township: Not reported
Tax Map No: Not reported
Region: SUFFOLK
Permit to Operate: Not reported

Tank ID: 1
Tank Key: Not reported
Installed: Not reported
Capacity: 8000 gallons
Content: GASOLINE
Date Removed: Not reported
Construction: FIBER REINFORCED PLASTIC
Dispenser: SUCTION
Fill Type: Not reported
Tank Location: UNDER - OUT
Tabk Status: REMOVED
Total Capacity: 8000 gallons

CUMBERLAND GULF #70209 (Continued) **U004219838**

Date Permitted:	Not reported
Date Closed:	11/14/1990
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	2
Tank Key:	Not reported
Installed:	Not reported
Capacity:	10000 gallons
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	10000 gallons
Date Permitted:	Not reported
Date Closed:	11/14/1990
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	3
Tank Key:	Not reported
Installed:	Not reported
Capacity:	6000 gallons
Content:	GASOLINE

CUMBERLAND GULF #70209 (Continued) **U004219838**

Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	6000 gallons
Date Permitted:	Not reported
Date Closed:	11/14/1990
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	4
Tank Key:	Not reported
Installed:	Not reported
Capacity:	1000 gallons
Content:	WASTE OIL
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	1000 gallons
Date Permitted:	Not reported
Date Closed:	12/09/1998
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

CUMBERLAND GULF #70209 (Continued) **U004219838**

Tank ID:	5
Tank Key:	Not reported
Installed:	Not reported
Capacity:	1000 gallons
Content:	WASTE OIL
Date Removed:	Not reported
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	1000 gallons
Date Permitted:	Not reported
Date Closed:	01/01/1981
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	6
Tank Key:	Not reported
Installed:	Not reported
Capacity:	6000 gallons
Content:	GASOLINE
Date Removed:	Not reported
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	6000 gallons
Date Permitted:	Not reported
Date Closed:	01/01/1981
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported

CUMBERLAND GULF #70209 (Continued) **U004219838**

Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	7
Tank Key:	Not reported
Installed:	Not reported
Capacity:	6000 gallons
Content:	GASOLINE
Date Removed:	Not reported
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	6000 gallons
Date Permitted:	Not reported
Date Closed:	01/01/1981
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	8
Tank Key:	Not reported
Installed:	Not reported
Capacity:	3000 gallons
Content:	GASOLINE
Date Removed:	Not reported
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	3000 gallons
Date Permitted:	Not reported
Date Closed:	01/01/1981
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported

CUMBERLAND GULF #70209 (Continued) **U004219838**

Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	9
Tank Key:	Not reported
Installed:	Not reported
Capacity:	1000 gallons
Content:	#2 FUEL OIL
Date Removed:	Not reported
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	1000 gallons
Date Permitted:	Not reported
Date Closed:	01/01/1981
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	10
Tank Key:	Not reported
Installed:	Not reported
Capacity:	1000 gallons
Content:	#2 FUEL OIL
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED

CUMBERLAND GULF #70209 (Continued) **U004219838**

Total Capacity:	1000 gallons
Date Permitted:	Not reported
Date Closed:	03/11/2010
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	11
Tank Key:	Not reported
Installed:	Not reported
Capacity:	12000 gallons
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUBMERSIBLE
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	IN SERVICE
Total Capacity:	12000 gallons
Date Permitted:	12/12/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	SECONDARY WALL - FIBERGLASS
Extrenal Protection:	Not reported
Leak Detection:	(DWP) ELECTRONIC LEAK PROBES
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	12
Tank Key:	Not reported
Installed:	Not reported
Capacity:	12000 gallons

CUMBERLAND GULF #70209 (Continued) **U004219838**

Content:	GASOLINE
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUBMERSIBLE
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	IN SERVICE
Total Capacity:	12000 gallons
Date Permitted:	12/12/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	SECONDARY WALL - FIBERGLASS
Extrenal Protection:	Not reported
Leak Detection:	(DWP) ELECTRONIC LEAK PROBES
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	13
Tank Key:	Not reported
Installed:	Not reported
Capacity:	12000 gallons
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUBMERSIBLE
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	IN SERVICE
Total Capacity:	12000 gallons
Date Permitted:	12/12/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	SECONDARY WALL - FIBERGLASS
Extrenal Protection:	Not reported
Leak Detection:	(DWP) ELECTRONIC LEAK PROBES
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported

CUMBERLAND GULF #70209 (Continued) **U004219838**

Description of drop records:	Not reported

Tank ID:	14
Tank Key:	Not reported
Installed:	Not reported
Capacity:	1000 gallons
Content:	WASTE OIL
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	1000 gallons
Date Permitted:	12/12/1990
Date Closed:	04/25/2001
Internal Protection:	NONE
Secondary Containment:	SECONDARY WALL - FIBERGLASS
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	15
Tank Key:	Not reported
Installed:	Not reported
Capacity:	1000 gallons
Content:	#2 FUEL OIL
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	REMOVED
Total Capacity:	1000 gallons
Date Permitted:	12/12/1990
Date Closed:	04/25/2001
Internal Protection:	NONE
Secondary Containment:	SECONDARY WALL - FIBERGLASS
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported

CUMBERLAND GULF #70209 (Continued) **U004219838**

Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

D12 **CUMBERLAND FARMS 70209** **NY LTANKS** **S104652210**
NW **4909 SUNRISE HWY** **NY MANIFEST** **N/A**
< 1/8 **BOHEMIA, NY 11716** **NY Spills**
0.089 mi.
472 ft. **Site 2 of 6 in cluster D**

Relative:
Higher

Actual:
51 ft.

LTANKS:

Site ID:	465364
Spill Number/Closed Date:	1202591 / 10/19/2012
Spill Date:	6/15/2012
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	5228
Investigator:	hmcirrit
Referred To:	Not reported
Reported to Dept:	6/15/2012
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/15/2012
Spill Record Last Update:	11/29/2012
Spiller Name:	AARON
Spiller Company:	CUMBERLAND FARMS
Spiller Address:	4909 SUNRISE HIGHWAY
Spiller City,St,Zip:	BOHEMIA, NY
Spiller County:	999
Spiller Contact:	AARON
Spiller Phone:	(508) 270-4446
Spiller Extention:	Not reported
DEC Region:	1
DER Facility ID:	298857
DEC Memo:	OUTWALL OF TANK06/15/12 1240 Hrs: Checked database- there does not appear to be any active spills here. DR06/15/12 1245 Hrs: Left message for Cumberland. DR06/15/12 1250 Hrs (A): Aaron called- THIS WAS AN ANNUAL, ROUTINE TEST OF AN 8,000GAL TANK BY TANKNOLOGY. He was not certain whether any other tanks are being tested.06/15/12 1250 Hrs (B): Upon removing the interstitial leak detection probes so they could be inspected they were noticed to be damp with gasoline.06/15/12 1250 Hrs (C): TMC ENVIRONMENTAL is removing the product from the interstitial space at this time.06/15/12 1250 Hrs

CUMBERLAND FARMS 70209 (Continued) **S104652210**

(D): TYREE is on site to repair and reinstall the probes. If they go into alarm mode additional actions will be taken. DR6/19/12: 10:45 T/C to Aaron @ Cumberland Farms. Tank did pass yesterdays interstitial test but it was not an official tank test. He will put a report together which will include the passing test result from an official tank test. He thinks the product which could have been water got into the interstitial space through a loose bung.

Remarks: gasoline found in outerwall of tank during testing

Material:
Site ID: 465364
Operable Unit ID: 1215386
Operable Unit: 01
Material ID: 2213512
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 465364
Spill Tank Test: 2494031
Tank Number: UNKNOWN
Tank Size: 0
Test Method: 01
Leak Rate: 0
Gross Fail: Not reported
Modified By: DJFARRAR
Last Modified: 8/13/2013
Test Method: Petro-Tite/Petro Comp

NY MANIFEST:
EPA ID: NYD986928687
Country: USA

Mailing Info:
Name: EXXON
Contact: EXXON
Address: P O BOX 2180
City/State/Zip: HOUSTON, TX 77252
Country: USA
Phone: 000-000-0000

NY MANIFEST:
No Manifest Records Available

SPILLS:
Facility ID: 1204916
Facility Type: ER

CUMBERLAND FARMS 70209 (Continued) **S104652210**

DER Facility ID:	350165
Site ID:	467822
DEC Region:	1
Spill Date:	8/15/2012
Spill Number/Closed Date:	1204916 / 2/8/2013
Spill Cause:	Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	8/15/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/15/2012
Spill Record Last Update:	2/20/2013
Spiller Name:	MELISSA GLIDDEN
Spiller Company:	CUMBERLAND FARMS
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller Company:	999
Contact Name:	MELISSA GLIDDEN
Contact Phone:	(508) 270-4449
DEC Memo:	***SEVERE THUNDERSTORM EARLIER THIS DATE*** DR08/15/12 1455 Hrs: Left message for Glidden- please confirm this involved water, with possibly some gas, in the sump(s) of the tanks. DR
Remarks:	Tyree on rte for removal

Material:

Site ID:	467822
Operable Unit ID:	1217763
Operable Unit:	01
Material ID:	2235440
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	467822
Operable Unit ID:	1217763
Operable Unit:	01
Material ID:	2216067
Material Code:	9999
Material Name:	Other - liquid in sump
Case No.:	Not reported

CUMBERLAND FARMS 70209 (Continued) **S104652210**

Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0804031
Facility Type:	ER
DER Facility ID:	350165
Site ID:	400865
DEC Region:	1
Spill Date:	7/8/2008
Spill Number/Closed Date:	0804031 / 8/7/2008
Spill Cause:	Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	7/8/2008
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/8/2008
Spill Record Last Update:	4/1/2009
Spiller Name:	MELLISSA GLIDDEN
Spiller Company:	CUMBERLAND
Spiller Address:	4909 SUNRISE HWY
Spiller City,St,Zip:	BOHEMIA, NY
Spiller Company:	001
Contact Name:	MELLISSA GLIDDEN
Contact Phone:	(800) 225-9702 3412
DEC Memo:	Not reported
Remarks:	PHOENIX TO PUMP OUT WATER

Material:

Site ID:	400865
Operable Unit ID:	1157678
Operable Unit:	01
Material ID:	2148707
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0

CUMBERLAND FARMS 70209 (Continued) **S104652210**

Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0805016
Facility Type:	ER
DER Facility ID:	323805
Site ID:	402044
DEC Region:	1
Spill Date:	7/31/2008
Spill Number/Closed Date:	0805016 / 7/31/2008
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	7/31/2008
CID:	406
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/1/2008
Spill Record Last Update:	4/1/2009
Spiller Name:	MELISSA GLIDEN
Spiller Company:	CUMBERLAND FARMS #70209
Spiller Address:	4909 SUNRISE HWY
Spiller City,St,Zip:	BOHEMIA, NY
Spiller Company:	001
Contact Name:	MELISSA GLIDEN
Contact Phone:	(800) 225-9702 3412
DEC Memo:	Not reported
Remarks:	PBS No: 5-0059 -PBS No. not found in UIS, may be invalid.Found water in the sump. Phoenix Environmental will be pumping it out.

Material:

Site ID:	402044
Operable Unit ID:	1158815
Operable Unit:	01
Material ID:	2149902
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Gallons

CUMBERLAND FARMS 70209 (Continued) **S104652210**

Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0904734
Facility Type:	ER
DER Facility ID:	350165
Site ID:	416940
DEC Region:	1
Spill Date:	7/23/2009
Spill Number/Closed Date:	0904734 / 3/22/2010
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	7/23/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/23/2009
Spill Record Last Update:	4/29/2010
Spiller Name:	MELISSA GLIDDEN
Spiller Company:	CUMBERLAND FARMS # 70209
Spiller Address:	4909 SUNRISE HWY
Spiller City,St,Zip:	BOHEMIA, NY
Spiller Company:	999
Contact Name:	MELISSA GLIDDEN
Contact Phone:	(508) 270-4494
DEC Memo:	***HEAVY RAIN 21-22JUL09*** DR
Remarks:	WATER IN THE SUMP PUMP OUT WILL BE DONE BY PHOENIX.

Material:

Site ID:	416940
Operable Unit ID:	1173199
Operable Unit:	01
Material ID:	2165093
Material Code:	9999
Material Name:	Other - WATER
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

CUMBERLAND FARMS 70209 (Continued) **S104652210**

Tank Test:

Facility ID:	0902645
Facility Type:	ER
DER Facility ID:	298857
Site ID:	414702
DEC Region:	1
Spill Date:	6/4/2009
Spill Number/Closed Date:	0902645 / 7/17/2009
Spill Cause:	Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	6/4/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/4/2009
Spill Record Last Update:	7/20/2009
Spiller Name:	MELISSA GLIDDEN
Spiller Company:	CUMBERLAND FARMS
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller Company:	999
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	Water in the sumps.

Material:

Site ID:	414702
Operable Unit ID:	1171081
Operable Unit:	01
Material ID:	2162869
Material Code:	0060A
Material Name:	WASTEWATER
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

CUMBERLAND FARMS 70209 (Continued) **S104652210**

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

D13 **EXXON 70209** **NY AST** **A100265104**
NW **4909 RTE 27 SUNRISE HWY** **N/A**
< 1/8 **BOHEMIA, NY 11716**
0.089 mi.
472 ft. **Site 3 of 6 in cluster D**

Relative:
Higher

Actual:
51 ft.

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	09474
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	09474
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	CUMBERLAND FARMS
Storage Owner Address:	777 DEDHAM ST
Storage Owner City:	CANTON
Storage Owner State:	MA
Storage Owner Zip:	02021

Tank Info:

Facility ID:	09474
Facility Reference #:	12578
Township:	ISLIP
Tax Map No:	0500
Region:	SUFFOLK
Tank ID:	16
Tank Key:	26389
Year Installed:	Not reported
Content:	WASTE OIL
Construction:	Not reported
Dispenser:	SUCTION
Official Use:	Permitted Tank. Permit Runs Out. 03
Permit to Operate:	121198
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000501
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported

EXXON 70209 (Continued) **A100265104**

Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	Not reported

D14 **CUMBERLAND GULF #70209** **NY AST** **A100385705**
NW **4909 RTE 27 SUNRISE HWY** **N/A**
< 1/8 **BOHEMIA, NY 11716**
0.089 mi.
472 ft. **Site 4 of 6 in cluster D**

Relative:
Higher

Actual:
51 ft.

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	12578
Status:	ACTIVE
Site Type:	PBS
Operating Permit Expires:	02/28/2017
Owner/Storage Information:	AVAILABLE

Facility Info:

Site Ref#:	12578
Billing Contact:	CUMBERLAND FARMS INC
Billing Address:	588 SILVER ST
Billing Address:	AGAWAM
Billing State:	MA
Billing Zip:	1001
Storage Owner:	CUMBERLAND FARMS INC
Storage Owner Address:	100 CROSSING BLVD
Storage Owner City:	Not reported
Storage Owner State:	Not reported
Storage Owner Zip:	Not reported

Tank Info:

Facility ID:	12578
Facility Reference #:	Not reported
Township:	Not reported
Tax Map No:	Not reported
Region:	SUFFOLK
Tank ID:	16
Tank Key:	Not reported
Year Installed:	Not reported
Content:	WASTE OIL
Construction:	REFER TO PAPER FILE
Dispenser:	SUCTION
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - OUT
Tabk Status:	IN SERVICE
Total Capacity:	240 gallons
Date Permitted:	12/11/1998
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	REFER TO PAPER FILE

CUMBERLAND GULF #70209 (Continued) **A100385705**

Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	17
Tank Key:	Not reported
Year Installed:	Not reported
Content:	#2 FUEL OIL
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - OUT
Tabk Status:	IN SERVICE
Total Capacity:	500 gallons
Date Permitted:	03/03/2010
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	DIKE - STEEL
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

D15 **EDR US Hist Auto Stat** **1015517863**
NW **4909 SUNRISE HWY** **N/A**
< 1/8 **BOHEMIA, NY 11716**
0.089 mi.
472 ft. **Site 5 of 6 in cluster D**

Relative:
Higher

Actual:
51 ft.

EDR Historical Auto Stations:

Name:	EDMIR SVCE STATION
Year:	1999
Address:	4909 SUNRISE HWY
Name:	EDMIR SVCE STATION
Year:	2000
Address:	4909 SUNRISE HWY

(Continued) **1015517863**

Name: FRANKS SERVICE STATION
Year: 2002
Address: 4909 SUNRISE HWY

Name: FRANKS SERVICE STATION
Year: 2003
Address: 4909 SUNRISE HWY

Name: TOP SERVICE AUTO REPAIR
Year: 2004
Address: 4909 SUNRISE HWY

Name: TOP SERVICE AUTO REPAIR
Year: 2007
Address: 4909 SUNRISE HWY

Name: BOHEMIA EXXON
Year: 2009
Address: 4909 SUNRISE HWY

Name: TRIPLE DIAMOND AUTO REPAIR
Year: 2010
Address: 4909 SUNRISE HWY

Name: NICOS WAY AUTOMOTIVE
Year: 2011
Address: 4909 SUNRISE HWY

Name: NICOS WAY AUTOMOTIVE
Year: 2012
Address: 4909 SUNRISE HWY

D16 **EXXON DIV OF CFI #70209** **RCRA NonGen / NLR** **1000457607**
NW **4909 SUNRISE HWY** **NY UST** **NYD986928687**
< 1/8 **BOHEMIA, NY 11716**
0.089 mi.
472 ft. **Site 6 of 6 in cluster D**

Relative:
Higher

Actual:
51 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: EXXON DIV OF CFI #70209
Facility address: 4909 SUNRISE HWY
BOHEMIA, NY 11716
EPA ID: NYD986928687
Mailing address: DEDHAM ST
CANTON, MA 02021
Contact: MAUREEN JERNSTEDT
Contact address: DEDHAM ST
CANTON, MA 02021
Contact country: US
Contact telephone: (800) 225-9702
Telephone ext.: 3378
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Owner/Operator Summary:

Owner/operator name:	NO NAME FOUND
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/10/2003
Owner/Op end date:	Not reported

Owner/operator name:	NO NAME FOUND
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	09/10/2003
Owner/Op end date:	Not reported

Owner/operator name:	CUMBERLAND FARMS INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/10/2003
Owner/Op end date:	Not reported

Owner/operator name:	TOSCO
Owner/operator address:	PO BOX 52085
	PHOENIX, AZ 85072
Owner/operator country:	Not reported
Owner/operator telephone:	(602) 728-8000
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CUMBERLAND FARMS INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	09/10/2003
Owner/Op end date:	Not reported

Owner/operator name:	TOSCO
Owner/operator address:	PO BOX 52085
	PHOENIX, AZ 85072
Owner/operator country:	US
Owner/operator telephone:	(602) 728-8000
Legal status:	Private

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: EXXON DIV OF CFI #70209
Classification: Not a generator, verified

Date form received by agency: 10/01/2004
Facility name: EXXON DIV OF CFI #70209
Classification: Small Quantity Generator

Date form received by agency: 08/08/2001
Facility name: EXXON DIV OF CFI #70209
Site name: TOSCO #34638
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/08/1999
Facility name: EXXON DIV OF CFI #70209
Site name: TOSCO #34638
Classification: Not a generator, verified

Date form received by agency: 02/25/1992
Facility name: EXXON DIV OF CFI #70209
Site name: EXXON #31720
Classification: Large Quantity Generator

Date form received by agency: 10/24/1990
Facility name: EXXON DIV OF CFI #70209
Site name: TOSCO #34638
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

EXXON DIV OF CFI #70209 (Continued) **1000457607**

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

SUFFOLK CO. UST:
Region: SUFFOLK
Site Ref#: 09474
Status: Not reported
Site Type: Not reported
Operating Permit Expires: Not reported
Owner/Storage Information: Not reported

Facility Info:
Site Ref#: 09474
Billing Contact: Not reported
Billing Address: Not reported
Billing Address: Not reported
Billing State: Not reported
Billing Zip: Not reported
Storage Owner: CUMBERLAND FARMS
Storage Owner Address: 777 DEDHAM ST
Storage Owner City: CANTON
Storage Owner State: MA
Storage Owner Zip: 02021

Tank Info:
Facility ID: 09474
Facility Reference #: 12578
Official Use: Removed Tank. 90
Township: ISLIP
Tax Map No: 0500 256.00 002 045.000
Region: SUFFOLK
Permit to Operate: Not reported

Tank ID: 1
Tank Key: 26374
Installed: 77
Capacity: 0000008000
Content: GASOLINE
Date Removed: 111490
Construction: FRP
Dispenser: SUCTION
Fill Type: GRAVITY
Tank Location: UNDER
Tabk Status: Not reported
Total Capacity: 0000008000
Date Permitted: Not reported
Date Closed: Not reported
Internal Protection: Not reported
Secondary Containment: Not reported
Extrenal Protection: Not reported
Leak Detection: Not reported
Overfill Prevention: Not reported
Spill Prevention: Not reported
Pipe Location: Not reported
Pipe Type: Not reported

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	111490
Year Installed:	77
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	2
Tank Key:	26375
Installed:	81
Capacity:	0000010000
Content:	GASOLINE
Date Removed:	111490
Construction:	FRP
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000010000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	111490
Year Installed:	81
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	3
Tank Key:	26376
Installed:	81
Capacity:	0000006000
Content:	GASOLINE
Date Removed:	111490
Construction:	FRP
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000006000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	111490
Year Installed:	81
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	4
Tank Key:	26377
Installed:	81
Capacity:	0000001000
Content:	WASTE OIL
Date Removed:	120998
Construction:	FRP
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	120998
Year Installed:	81
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	5
Tank Key:	26378
Installed:	Not reported
Capacity:	0000001000
Content:	WASTE OIL
Date Removed:	010181
Construction:	STEEL
Dispenser:	SUCTION

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010181
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	6
Tank Key:	26379
Installed:	Not reported
Capacity:	0000006000
Content:	GASOLINE
Date Removed:	010181
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000006000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010181
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	7

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Tank Key:	26380
Installed:	Not reported
Capacity:	0000006000
Content:	GASOLINE
Date Removed:	010181
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000006000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010181
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	8
Tank Key:	26381
Installed:	Not reported
Capacity:	0000003000
Content:	GASOLINE
Date Removed:	010181
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000003000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Fill:	GRAVITY
Date Removed:	010181
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	9
Tank Key:	26382
Installed:	Not reported
Capacity:	0000001000
Content:	#2 FUEL OIL
Date Removed:	010181
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	010181
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	10
Tank Key:	26383
Installed:	81
Capacity:	0000001000
Content:	#2 FUEL OIL
Date Removed:	Not reported
Construction:	FRP
Dispenser:	SUCTION
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	Not reported
Year Installed:	81
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	11
Tank Key:	26384
Installed:	90
Capacity:	0000012000
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FRP / FRP
Dispenser:	SUBMERSIBLE
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000012000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	Not reported
Year Installed:	90
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	12
Tank Key:	26385
Installed:	90
Capacity:	0000012000
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FRP / FRP
Dispenser:	SUBMERSIBLE
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000012000

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	Not reported
Year Installed:	90
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	13
Tank Key:	26386
Installed:	90
Capacity:	0000012000
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FRP / FRP
Dispenser:	SUBMERSIBLE
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000012000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	Not reported
Year Installed:	90
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	14
Tank Key:	26388
Installed:	90
Capacity:	0000001000
Content:	WASTE OIL

EXXON DIV OF CFI #70209 (Continued) **1000457607**

Date Removed:	042501
Construction:	FRP / FRP
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	042501
Year Installed:	90
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	15
Tank Key:	26387
Installed:	90
Capacity:	0000001000
Content:	#2 FUEL OIL
Date Removed:	042501
Construction:	FRP / FRP
Dispenser:	SUCTION
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	042501
Year Installed:	90
Description of drop records:	RECORDS AS OF 09/10/2013

E17
West
< 1/8
0.092 mi.
485 ft.

JFA COLLISION
1 ARTIC AVE
BOHEMIA, NY 11716

Site 1 of 2 in cluster E

NY UST **U003538708**
N/A

Relative:
Higher

Actual:
48 ft.

SUFFOLK CO. UST:

Region:	SUFFOLK
Site Ref#:	10017
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	10017
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	JFA COLLISION
Storage Owner Address:	1 ARTIC AVE
Storage Owner City:	BOHEMIA
Storage Owner State:	NY
Storage Owner Zip:	11716

Tank Info:

Facility ID:	10017
Facility Reference #:	14315
Official Use:	Removed Tank. 90
Township:	ISLIP
Tax Map No:	0500 191.00 002 062.000
Region:	SUFFOLK
Permit to Operate:	Not reported
Tank ID:	1
Tank Key:	29105
Installed:	Not reported
Capacity:	0000000275
Content:	WASTE OIL
Date Removed:	060890
Construction:	Not reported
Dispenser:	Not reported
Fill Type:	Not reported
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000000275
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported

JFA COLLISION (Continued) **U003538708**

Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	060890
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

C18 **UNKNOWN** **NY Spills** **S106468612**
North **LAKELAND AVE/SUNRISE HWY** **N/A**
< 1/8 **WEST SAYVILLE, NY**
0.098 mi.
520 ft. **Site 4 of 6 in cluster C**

Relative:
Higher

Actual:
38 ft.

SPILLS:

Facility ID:	0401075
Facility Type:	ER
DER Facility ID:	89670
Site ID:	101173
DEC Region:	1
Spill Date:	4/30/2004
Spill Number/Closed Date:	0401075 / 10/6/2004
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	5228
Investigator:	CAGAITES
Referred To:	Not reported
Reported to Dept:	4/30/2004
CID:	406
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/30/2004
Spill Record Last Update:	10/7/2004
Spiller Name:	Not reported
Spiller Company:	EMERALI ISLE PAVING
Spiller Address:	36 EAST MADISON STREET
Spiller City,St,Zip:	EAST ISLIP, NY 11730-
Spiller Company:	001
Contact Name:	MIKE POSTAL
Contact Phone:	(631) 987-5285
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GAITES"4/30 TELECON TO MIKE POSTAL, SAYVILLE FD, DIESEL MACK DUMP TRUCK LOST BRAKES AND HIT A FENCE. FENCE BROKE CROSS OVER LINE BETWEEN TANKS, TANKS ARE OK, LINE LEAK STOPPED BY FD, APPROX 20 GALLONS RELEASE,SLIGHT IMPACT TO STORM DRAIN, RP REP ENROUTE TO THE SITESPOKE TO MIKE WASER ISLIP HAZMAT ON SITE,WILL ADVISE RP TO CLEANUP SITE, SPILL TO GRASS AREA IMPACTING GRASS AND SOIL, PADS AND BOOM DEPLOYED BY FD, 1ST STORM WEST OF LAKELAND ON NORTHSIDE OF SOUTH SERVICE ROAD

UNKNOWN (Continued) **S106468612**

Remarks: Hazmat from Islip is on scene with assistant fire chief. Material is all over the road minimal material went into the storm drain. Would like DEC on scene. Comm veh. is source. Contact fire chief ASAP.

Material:

Site ID:	101173
Operable Unit ID:	885238
Operable Unit:	01
Material ID:	559909
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C19 **ALICE CONTRACTING/BULLET** **NY Spills** **S104951983**
North **SUNRISE/LAKELAND** **N/A**
< 1/8 **SAYVILLE, NY**
0.098 mi.
520 ft. **Site 5 of 6 in cluster C**

Relative:
Higher

Actual:
38 ft.

SPILLS:

Facility ID:	0009331
Facility Type:	ER
DER Facility ID:	166784
Site ID:	200424
DEC Region:	1
Spill Date:	11/14/2000
Spill Number/Closed Date:	0009331 / 2/20/2001
Spill Cause:	Traffic Accident
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	5228
Investigator:	HMCIRRIT
Referred To:	Not reported
Reported to Dept:	11/14/2000
CID:	100
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	11/14/2000
Cleanup Meets Std:	True
Last Inspection:	11/14/2000
Recommended Penalty:	True
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/14/2000
Spill Record Last Update:	1/9/2012
Spiller Name:	JOHN JORGENSON
Spiller Company:	ALICE CONTRACTING (ET AL)
Spiller Address:	91 MONTAUK HIGHWAY

ALICE CONTRACTING/BULLET (Continued) **S104951983**

Spiller City,St,Zip: EAST MORICHES, NY 11940-
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CIRRITO"11/14/00 (A): DEC was notified of traffic accident resulting in spill of diesel onto road and into drainage.11/14/00 (B): DEC (Cirrito) responded- met Suffolk County PD (CASE # 00-619920). Has sketch.11/14/00 (C): PRP- JOHN JORGENSON (OWNER/OPERATOR OF "ALICE'S CONTRACTING", 91 MONTAUK HIGHWAY, EAST MORICHES NY, 11940.11/14/00 (D): ***THIS COMPANY IS SUPPOSEDLY ALSO KNOWN AS "BULLET EXPRESS"*** 11/14/00 (E): VEHICLE- 87 VOLVO, PLATE 9651PB (NY)11/14/00 (F): JORGENSON SUPPOSEDLY DECIDED TO PARK HIS VEHICLE IN THE "FAST LANE" OF THE SERVICE ROAD IN ORDER TO SLEEP. A CAR ENTERING THE HIGHWAY HIT HIS TRUCK, RUPTURING THE SADDLE TANK. ***SEE 26JAN01 ENTRIES***11/14/00 (G): JORGENSON WAS ARRESTED BY SCPD FOR DRUNK DRIVING AND IMPROPER PARKING.11/14/00 (H): The Town sanded the road, but would not sweep up the sand as this is a State road. NYSDOT later responded to sweep up the sand.11/14/00 (H): Due to the situation, DEC hired Tradewinds to clean up. Responded with guzzler, drum truck, and support truck.Began soaking up free product on the roadside.11/14/00 (I): Upon DOT arrival, they opened the drains. It was determined the drains led to a recharge basin nearby.11/14/00 (J): DEC asked FD to return in order to flush product through drainage to basin, in order to facilitate cleanup.11/14/00 (K): Began raining lightly.11/14/00 (L): It was determined the guzzler would not be needed, so DEC directed that it be returned. DEC requested a backhoe, in order to dig contaminated soil out of the basin.11/14/00 (M): Used the backhoe to dig out soil, and to move rocks along the edge of the basin. It was found oil was trapped among the rocks, under the rising water due to the rain. Applied sorbents to soak up the oil. Left fresh sorbents.11/14/00 (N): Generated 21 drums of soil, speedi dri, and sorbents.11/15/00: Cirrito on site with Tradewinds- removed the sorbents and restored the basin. Generated another 5 drums of debris. Cleanup deemed satisfactory.01/08/01: Requested copy of SCPD reports.01/09/01: HAD PLATE REGISTRATION CHECKED- VEHICLE REGISTERED TO "ALICE'S CONTRACTING", 91 MONTAUK HWY.01/26/01 (A): RECEIVED COPY OF SCPD REPORT CC 00-619920.01/26/01 (B): GIVES ONLY THE 91 MONTAUK HWY ADDRESS FOR THE PRP.01/26/01 (C): SAYS DRIVER "1" (THE CAR) REPORTED HE WAS EXITING THE HIGHWAY WHEN HE SAW A TRUCK STOPPED IN THE CENTER LANE. DRIVER 1 SAID HE TRIED TO AVOID THE TRUCK BUT COULD NOT STOP IN TIME. ***SKETCH APPARENTLY SWITCHED LABELS FOR VEHICLES 1 AND 2: SHOWS THE TRUCK AS VEHICLE 1, THE CAR AS VEHICLE 2.***01/26/01 (D): DRIVER OF TRUCK WAS ARRESTED.DEC HIRED CONTRACTOR FOR CLEANUP, ISR AND PENALTY MATRIX COMPLETED,NO FURTHER ACTION
Remarks: Traffic accident caused material to spill and run into storm drain.Fire dept on scene.

Material:
Site ID: 200424
Operable Unit ID: 831622
Operable Unit: 01
Material ID: 543284
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum

ALICE CONTRACTING/BULLET (Continued) **S104951983**

Quantity: 100
Units: Gallons
Recovered: 100
Resource Affected: Not reported
Oxygenate: False

Tank Test:

C20 **SAYVILLE BOWLING ALLEY** **NY Spills** **S106701250**
North **SUNRISE HWY & LAKELAND AVENUE** **N/A**
< 1/8 **ISLIP, NY**
0.098 mi.
520 ft. **Site 6 of 6 in cluster C**

Relative:
Higher

Actual:
38 ft.

SPILLS:
Facility ID: 9012854
Facility Type: ER
DER Facility ID: 83478
Site ID: 93089
DEC Region: 1
Spill Date: 3/15/1991
Spill Number/Closed Date: 9012854 / 3/28/1991
Spill Cause: Traffic Accident
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS: 5228
Investigator: MIRZA
Referred To: Not reported
Reported to Dept: 3/15/1991
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Local Agency
Cleanup Ceased: 3/28/1991
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 3/19/1991
Spill Record Last Update: 8/21/2009
Spiller Name: Not reported
Spiller Company: AGGREKKO
Spiller Address: Not reported
Spiller City,St,Zip: ***UPDATE***, ZZ
Spiller Company: 999
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: STORM DRAIN AFFECTED, FOUND BY DEC DURING INVESTIGATION AND SUBSEQUENTLY CLEANED DURING CLEANUP, UNDER DEC SUPERVISION
Remarks: MV ACCIDENT, SCPD ON SCENE.MAY HAVE APPLIED SPEEDI DRY. 50-70 GALS SPILLED.DIKED & CONTAINED ON ROAD.S.D AFFECTED (FOUND BY DEC DURING INVESTIGATION) AND SUBSEQUENTLY CLEANED DURING CLEANUP ***NOTE: MAY ALSO HAVE BEEN RECORDED AS 9012855; THIS IS THE NUMBER TO BE USED***

Material:
Site ID: 93089

SAYVILLE BOWLING ALLEY (Continued) **S106701250**

Operable Unit ID:	952767
Operable Unit:	01
Material ID:	429312
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	75
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

F21 **TRI VENTURE** **NY Spills** **S102961557**
North **SUNRISE HWY/LAKELAND AVE** **N/A**
< 1/8 **SAYVILLE, NY**
0.100 mi.
527 ft. **Site 1 of 4 in cluster F**

Relative:
Higher

Actual:
38 ft.

SPILLS:

Facility ID:	9712382
Facility Type:	ER
DER Facility ID:	196092
Site ID:	238082
DEC Region:	1
Spill Date:	2/5/1998
Spill Number/Closed Date:	9712382 / 7/6/1998
Spill Cause:	Deliberate
Spill Class:	No spill occured. No DEC Response. No corrective action required.
SWIS:	5200
Investigator:	BMFORD
Referred To:	Not reported
Reported to Dept:	2/5/1998
CID:	266
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/5/1998
Spill Record Last Update:	7/7/1998
Spiller Name:	Not reported
Spiller Company:	TRI VENTURE
Spiller Address:	SUNRISE HWY/LAKELAND AVE
Spiller City,St,Zip:	SAYVILLE, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FORD"SEE ALSO 97-12676

TRI VENTURE (Continued) **S102961557**

Remarks: WIFE OF AN EMPLOYEE STATES THAT SPILLER IS DUMPING WASTE OIL AND ANTIFREEZE FROM 55 GALLON DRUMS.

Material:

Site ID:	238082
Operable Unit ID:	1055146
Operable Unit:	01
Material ID:	326991
Material Code:	0043A
Material Name:	ANTIFREEZE
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	238082
Operable Unit ID:	1055146
Operable Unit:	01
Material ID:	326990
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

F22 **UNK** **NY Spills** **S104786766**
North **SUNRISE HWY & LAKELAND AV** **N/A**
< 1/8 **SAYVILLE, NY**
0.100 mi.
527 ft. **Site 2 of 4 in cluster F**

Relative:
Higher

Actual:
38 ft.

SPILLS:

Facility ID:	9506171
Facility Type:	ER
DER Facility ID:	277808
Site ID:	93090
DEC Region:	1
Spill Date:	8/18/1995
Spill Number/Closed Date:	9506171 / 8/23/1995
Spill Cause:	Traffic Accident
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5200
Investigator:	SCHULZ
Referred To:	Not reported
Reported to Dept:	8/18/1995
CID:	Not reported
Water Affected:	Not reported

UNK (Continued) **S104786766**

Spill Source:	Commercial Vehicle
Spill Notifier:	DEC
Cleanup Ceased:	8/23/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/21/1995
Spill Record Last Update:	8/24/1995
Spiller Name:	Not reported
Spiller Company:	UNK
Spiller Address:	Not reported
Spiller City,St,Zip:	***UPDATE***, ZZ
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	CASES OF OIL FELL OFF A TRUCK AND SPLIT OPEN, SC HWY SANDED AREA AND SWEPT

Material:

Site ID:	93090
Operable Unit ID:	1020984
Operable Unit:	01
Material ID:	364148
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

---

23 **RUBYAN BRAND RESIDENCE** **NY Spills** **S104278654**
South **82 TERRY ROAD** **N/A**
< 1/8 **SAYVILLE, NY**
0.106 mi.
560 ft.

Relative:
Higher

Actual:
38 ft.

SPILLS:

Facility ID:	9909524
Facility Type:	ER
DER Facility ID:	236952
Site ID:	292737
DEC Region:	1
Spill Date:	11/5/1999
Spill Number/Closed Date:	9909524 / 5/17/2004
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	COSTELLO

RUBYAN BRAND RESIDENCE (Continued) **S104278654**

Referred To:	Not reported
Reported to Dept:	11/5/1999
CID:	270
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/5/1999
Spill Record Last Update:	7/9/2010
Spiller Name:	RUBYAN BRAND
Spiller Company:	RUBYAN BRAND RESIDENCE
Spiller Address:	82 TERRY ROAD
Spiller City,St,Zip:	SAYVILLE, NY
Spiller Company:	001
Contact Name:	RUBYAN BRAND
Contact Phone:	(631) 589-6156
DEC Memo:	10:00 TELECON BARBARO, NOT SURE HOW MUCH LEAKED, TANK IN CRAWLSPACE ON SOIL, HAD PLACED A MAGNETIC PATCH ON TANK 2 MONTHS AGO WHEN TANK WAS 1/2 FULL
Remarks:	CALLER HAS MADE HOMEOWNER AWARE OF TANK LEAKING AND HOMEOWNER IS REFUSING TO ALLOW COMPANY TO DO CLEAN UP. HOMEOWNER HAS SWITCHED TO GAS

Material:

Site ID:	292737
Operable Unit ID:	1084290
Operable Unit:	01
Material ID:	298605
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

E24
West
< 1/8
0.109 mi.
577 ft.

Relative:
Higher

Actual:
48 ft.

EDR US Hist Auto Stat **1015516003**
N/A

4850 SUNRISE HWY
SAYVILLE, NY 11782

Site 2 of 2 in cluster E

EDR Historical Auto Stations:

Name:	PARK SUNOCO
Year:	2007
Address:	4850 SUNRISE HWY

G25 **KOSTER KEUNEN INC** **RCRA NonGen / NLR** **1000400659**
SW **90 BOURNE BLVD** **FINDS** **NYD002048593**
< 1/8 **SAYVILLE, NY 11782** **NY MANIFEST**
0.112 mi. **NY Spills**
591 ft. **Site 1 of 3 in cluster G** **NY SPDES**

Relative:
Higher

Actual:
44 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	KOSTER KEUNEN INC
Facility address:	90 BOURNE BLVD SAYVILLE, NY 117823307
EPA ID:	NYD002048593
Mailing address:	PO BOX 383 SAYVILLE, NY 11782
Contact:	Not reported
Contact address:	PO BOX 383 SAYVILLE, NY 11782
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JOHN KOSTER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JOHN KOSTER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

KOSTER KEUNEN INC (Continued) **1000400659**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: KOSTER KEUNEN INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: KOSTER KEUNEN INC
Classification: Not a generator, verified

Date form received by agency: 05/22/1987
Facility name: KOSTER KEUNEN INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004337307

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

NY MANIFEST:
EPA ID: NYD002048593
Country: USA

Mailing Info:
Name: KOSTER KEUNEN
Contact: KOSTER KEUNEN

KOSTER KEUNEN INC (Continued) **1000400659**

Address: 90 BOURNE BLVD
City/State/Zip: SAYVILLE, NY 11782
Country: USA
Phone: 516-589-0456

Document ID: NYB4943862
Manifest Status: Completed copy
Trans1 State ID: XB4885
Trans2 State ID: Not reported
Generator Ship Date: 940712
Trans1 Recv Date: 940712
Trans2 Recv Date: Not reported
TSD Site Recv Date: 940713
Part A Recv Date: 940728
Part B Recv Date: 940721
Generator EPA ID: NYD002048593
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 095
Year: 94

Document ID: NYB4441086
Manifest Status: Completed copy
Trans1 State ID: XB4885
Trans2 State ID: Not reported
Generator Ship Date: 920114
Trans1 Recv Date: 920114
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920114
Part A Recv Date: 920124
Part B Recv Date: 920124
Generator EPA ID: NYD002048593
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 095
Year: 92

Document ID: NYB4710339
Manifest Status: Completed copy
Trans1 State ID: XB4885

KOSTER KEUNEN INC (Continued) **1000400659**

Trans2 State ID:	Not reported
Generator Ship Date:	920409
Trans1 Recv Date:	920409
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920410
Part A Recv Date:	920417
Part B Recv Date:	920416
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00024
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	92

Document ID:	NYB5583375
Manifest Status:	Completed copy
Trans1 State ID:	XB4885
Trans2 State ID:	Not reported
Generator Ship Date:	920601
Trans1 Recv Date:	920601
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920601
Part A Recv Date:	Not reported
Part B Recv Date:	920616
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F005 - UNKNOWN
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	92

Document ID:	NYA7172703
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890328
Trans1 Recv Date:	890328
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890329
Part A Recv Date:	890405
Part B Recv Date:	890406
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429

KOSTER KEUNEN INC (Continued) **1000400659**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	89

Document ID:	NYA7038828
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890830
Trans1 Recv Date:	890830
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890830
Part A Recv Date:	890905
Part B Recv Date:	890906
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYB5410107
Manifest Status:	Completed copy
Trans1 State ID:	XB4885
Trans2 State ID:	Not reported
Generator Ship Date:	921208
Trans1 Recv Date:	921208
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921208
Part A Recv Date:	921217
Part B Recv Date:	921217
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00018
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095

KOSTER KEUNEN INC (Continued) **1000400659**

Year: 92

Document ID: NYB5719545
Manifest Status: Completed copy
Trans1 State ID: XB4885
Trans2 State ID: Not reported
Generator Ship Date: 920828
Trans1 Recv Date: 920828
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920831
Part A Recv Date: Not reported
Part B Recv Date: 920910
Generator EPA ID: NYD002048593
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00025
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 005
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 095
Year: 92

Document ID: NYB4360113
Manifest Status: Completed copy
Trans1 State ID: XB4885
Trans2 State ID: Not reported
Generator Ship Date: 921008
Trans1 Recv Date: 921008
Trans2 Recv Date: Not reported
TSD Site Recv Date: 921008
Part A Recv Date: 921021
Part B Recv Date: 921019
Generator EPA ID: NYD002048593
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 095
Year: 92

Document ID: NYA7176024
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 890605
Trans1 Recv Date: 890605

KOSTER KEUNEN INC (Continued) **1000400659**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890605
Part A Recv Date:	890609
Part B Recv Date:	890613
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	89

Document ID:	NYA7173369
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890404
Trans1 Recv Date:	890404
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890404
Part A Recv Date:	890407
Part B Recv Date:	890421
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	89

Document ID:	NYA7164279
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890719
Trans1 Recv Date:	890719
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890720
Part A Recv Date:	890721
Part B Recv Date:	890727
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

KOSTER KEUNEN INC (Continued) **1000400659**

Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYA7175601
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890602
Trans1 Recv Date:	890602
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890602
Part A Recv Date:	890607
Part B Recv Date:	890608
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	89

Document ID:	NYB2047455
Manifest Status:	Completed copy
Trans1 State ID:	VE6339
Trans2 State ID:	Not reported
Generator Ship Date:	891102
Trans1 Recv Date:	891102
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891103
Part A Recv Date:	891108
Part B Recv Date:	891109
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00015
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	89

KOSTER KEUNEN INC (Continued) **1000400659**

Document ID:	NYB5585436
Manifest Status:	Completed copy
Trans1 State ID:	XB4885
Trans2 State ID:	Not reported
Generator Ship Date:	920713
Trans1 Recv Date:	920713
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920713
Part A Recv Date:	Not reported
Part B Recv Date:	920724
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	92

Document ID:	NYB4361868
Manifest Status:	Completed copy
Trans1 State ID:	XB4885
Trans2 State ID:	Not reported
Generator Ship Date:	921106
Trans1 Recv Date:	921106
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921106
Part A Recv Date:	921120
Part B Recv Date:	921117
Generator EPA ID:	NYD002048593
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	095
Year:	92

Document ID:	NYB2140011
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	VE6339
Trans2 State ID:	Not reported
Generator Ship Date:	900605
Trans1 Recv Date:	900605
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900605
Part A Recv Date:	900718

KOSTER KEUNEN INC (Continued) **1000400659**

Part B Recv Date: 900724
Generator EPA ID: NYD002048593
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00010
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 095
Year: 90

Document ID: NYB5376429
Manifest Status: Completed copy
Trans1 State ID: XB4885
Trans2 State ID: Not reported
Generator Ship Date: 930611
Trans1 Recv Date: 930611
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930611
Part A Recv Date: 930626
Part B Recv Date: 930623
Generator EPA ID: NYD002048593
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 095
Year: 93

Document ID: NYB4326129
Manifest Status: Completed copy
Trans1 State ID: XB4885
Trans2 State ID: Not reported
Generator Ship Date: 930408
Trans1 Recv Date: 930408
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930408
Part A Recv Date: 930421
Part B Recv Date: 930416
Generator EPA ID: NYD002048593
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00015
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003

KOSTER KEUNEN INC (Continued) **1000400659**

Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 095
Year: 93

Document ID: NYB5413716
Manifest Status: Completed copy
Trans1 State ID: XB4885
Trans2 State ID: Not reported
Generator Ship Date: 930208
Trans1 Recv Date: 930208
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930208
Part A Recv Date: 930218
Part B Recv Date: 930218
Generator EPA ID: NYD002048593
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00022
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 005
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 095
Year: 93

Click this hyperlink while viewing on your computer to access
16 additional NY_MANIFEST: record(s) in the EDR Site Report.

SPILLS:
Facility ID: 8704744
Facility Type: ER
DER Facility ID: 102091
Site ID: 117339
DEC Region: 1
Spill Date: 9/8/1987
Spill Number/Closed Date: 8704744 / 9/10/1987
Spill Cause: Equipment Failure
Spill Class: Not reported
SWIS: 5222
Investigator: KDGOERTZ
Referred To: Not reported
Reported to Dept: 9/8/1987
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: 9/10/1987
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/14/1987

KOSTER KEUNEN INC (Continued) **1000400659**

Spill Record Last Update:	7/5/2005
Spiller Name:	Not reported
Spiller Company:	EAGLE FUEL TRANSPORT
Spiller Address:	108 WATERBURY STREET
Spiller City,St,Zip:	BROOKLYN, NY 11206
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GOERTZ FD" / / : SPILLER IN PROCESS OF CLEANING UP SPILL. FILE HAS BEEN DESTROYED ACCORDING TO STATE ARCHIVE AND RECORD ADMINISTRATOR RETENTION/DISPOSAL PROCEDURES
Remarks:	DELIVERY HOSE DISCONNECTED FROM FILL PIPE DURING DELIVERY.APPROX 50 GALS SPRAYED ON BUILDING & CONCRETE.

Material:

Site ID:	117339
Operable Unit ID:	911194
Operable Unit:	01
Material ID:	467363
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPDES:

Permit Number:	NY0075892
State-Region:	01
Expiration Date:	10/31/2013
Current Major Minor Status:	Minor
Primary Facility SIC Code:	3999
State Water Body Name:	GW
Limit Set Status Flag:	Active
Total Actual Average Flow(MGD):	.009000
Total App Design Flow(MGD):	Not reported
UDF1:	Not reported
Lat/Long:	40.749583 / -73.103972
DMR Cognizant Official:	RICHARD B KOSTER, PRESIDENT
UDF2:	001701
UDF3:	GA
FIPS County Code:	NY103

Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	PARAMOLD MANUFACTURING LTD
Non-Gov Permit Street Address:	PARAMOLD MANUFACTURING LTD
Non-Gov Permit Supplemental Location:	90 BOURNE BLVD
Non-Gov Permit City:	SAYVILLE
Non-Gov Permit State Code:	NY

KOSTER KEUNEN INC (Continued) **1000400659**

Non-Gov Permit Zip Code: 11782
Non-Gov Facility Affiliation Type Desc: Mailing Address
Non-Gov Facility Org Formal Name: PARAMOLD MANUFACTURING LTD
Non-Gov Facility Street Address: PARAMOLD MANUFACTURING LTD
Non-Gov Facility Supplemental Location: 90 BOURNE BLVD
Non-Gov Facility City: SAYVILLE
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 11782
State Water Body: 02030202100

UDF2: 001701
UDF3: GA
FIPS County Code: NY103

Non-Gov Permit Affiliation Type Desc: DMR Mailing Address
Non-Gov Permit Org Formal Name: PARAMOLD MANUFACTURING LTD
Non-Gov Permit Street Address: PARAMOLD MANUFACTURING LTD
Non-Gov Permit Supplemental Location: 90 BOURNE BLVD
Non-Gov Permit City: SAYVILLE
Non-Gov Permit State Code: NY
Non-Gov Permit Zip Code: 11782
Non-Gov Facility Affiliation Type Desc: Owner
Non-Gov Facility Org Formal Name: PARAMOLD MANUFACTURING LTD
Non-Gov Facility Street Address: PARAMOLD MANUFACTURING LTD
Non-Gov Facility Supplemental Location: 90 BOURNE BLVD
Non-Gov Facility City: SAYVILLE
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 11782
State Water Body: 02030202100

UDF2: 001701
UDF3: GA
FIPS County Code: NY103

Non-Gov Permit Affiliation Type Desc: Permittee
Non-Gov Permit Org Formal Name: PARAMOLD MANUFACTURING LTD
Non-Gov Permit Street Address: 90 BOURNE BLVD
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: SAYVILLE
Non-Gov Permit State Code: NY
Non-Gov Permit Zip Code: 11782
Non-Gov Facility Affiliation Type Desc: Mailing Address
Non-Gov Facility Org Formal Name: PARAMOLD MANUFACTURING LTD
Non-Gov Facility Street Address: PARAMOLD MANUFACTURING LTD
Non-Gov Facility Supplemental Location: 90 BOURNE BLVD
Non-Gov Facility City: SAYVILLE
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 11782
State Water Body: 02030202100

UDF2: 001701
UDF3: GA
FIPS County Code: NY103

Non-Gov Permit Affiliation Type Desc: Permittee
Non-Gov Permit Org Formal Name: PARAMOLD MANUFACTURING LTD
Non-Gov Permit Street Address: 90 BOURNE BLVD

KOSTER KEUNEN INC (Continued) **1000400659**

Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	SAYVILLE
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	11782
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	PARAMOLD MANUFACTURING LTD
Non-Gov Facility Street Address:	PARAMOLD MANUFACTURING LTD
Non-Gov Facility Supplemental Location:	90 BOURNE BLVD
Non-Gov Facility City:	SAYVILLE
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	11782
State Water Body:	02030202100

G26 **GAZZA** **NY UST U003842832**
SW **123 TOLEDO ST** **NY AST N/A**
< 1/8 **FARMINGDALE, NY 11735**
0.112 mi.
591 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
44 ft.

SUFFOLK CO. UST:

Region:	SUFFOLK
Site Ref#:	01595
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	01595
Billing Contact:	KOSTER KEUNEN WAXES LTD
Billing Address:	90 BOURNE BLVD
Billing Address:	SAYVILLE
Billing State:	NY
Billing Zip:	11782
Storage Owner:	KOSTER KEUNEN WAXES LTD
Storage Owner Address:	90 BOURNE BLVD
Storage Owner City:	SAYVILLE
Storage Owner State:	NY
Storage Owner Zip:	11782

Tank Info:

Facility ID:	01595
Facility Reference #:	Not reported
Official Use:	Not reported
Township:	Not reported
Tax Map No:	Not reported
Region:	SUFFOLK
Permit to Operate:	Not reported
Tank ID:	1
Tank Key:	Not reported
Installed:	Not reported
Capacity:	10000 gallons
Content:	#6 FUEL OIL
Date Removed:	Not reported
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT

GAZZA (Continued) **U003842832**

Tabk Status:	REMOVED
Total Capacity:	10000 gallons
Date Permitted:	Not reported
Date Closed:	09/13/1996
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	2
Tank Key:	Not reported
Installed:	Not reported
Capacity:	10000 gallons
Content:	#6 FUEL OIL
Date Removed:	Not reported
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	IN SERVICE
Total Capacity:	10000 gallons
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	10290

GAZZA (Continued) **U003842832**

Status: Not reported
Site Type: Not reported
Operating Permit Expires: Not reported
Owner/Storage Information: Not reported

Facility Info:
Site Ref#: 10290
Billing Contact: Not reported
Billing Address: Not reported
Billing Address: Not reported
Billing State: Not reported
Billing Zip: Not reported
Storage Owner: KOSTER KEUNEN WAXES LTD
Storage Owner Address: 90 BOURNE BLVD
Storage Owner City: SAYVILLE
Storage Owner State: NY
Storage Owner Zip: 11782

Tank Info:
Facility ID: 10290
Facility Reference #: 01595
Township: ISLIP
Tax Map No: 0500
Region: SUFFOLK

Tank ID: 10
Tank Key: 29513
Year Installed: Not reported
Content: ORGANIC SOLVENT
Construction: STEEL
Dispenser: OTHER
Official Use: Removed Tank. 89
Permit to Operate: Not reported
Tank Location: ABOVE
Tabk Status: Not reported
Total Capacity: 0000000500
Date Permitted: Not reported
Date Closed: Not reported
Internal Protection: Not reported
Secondary Containment: Not reported
Extrenal Protection: Not reported
Leak Detection: Not reported
Overfill Prevention: Not reported
Spill Prevention: Not reported
Pipe Location: Not reported
Pipe Type: Not reported
Pipe External Protection: Not reported
Pipe Containment: Not reported
Pipe Leak Detection: Not reported
Date Next Tank Test: Not reported
Fill: OTHER
Date Removed: 010189

Tank ID: 11
Tank Key: 29514
Year Installed: Not reported

GAZZA (Continued) **U003842832**

Content:	ORGANIC SOLVENT
Construction:	STEEL
Dispenser:	OTHER
Official Use:	Removed Tank. 89
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	OTHER
Date Removed:	010189

Tank ID:	12
Tank Key:	29515
Year Installed:	Not reported
Content:	ORGANIC SOLVENT
Construction:	STEEL
Dispenser:	OTHER
Official Use:	Removed Tank. 89
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000001000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	OTHER
Date Removed:	010189

Tank ID:	5
Tank Key:	29508

GAZZA (Continued) **U003842832**

Year Installed:	79
Content:	ORGANIC SOLVENT
Construction:	Not reported
Dispenser:	SUCTION
Official Use:	Removed Tank. 89
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000500
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	010189

Tank ID:	6
Tank Key:	29509
Year Installed:	79
Content:	ORGANIC SOLVENT
Construction:	Not reported
Dispenser:	SUCTION
Official Use:	Removed Tank. 89
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000500
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	010189

Tank ID:	7

GAZZA (Continued) **U003842832**

Tank Key:	29510
Year Installed:	59
Content:	ORGANIC SOLVENT
Construction:	STEEL
Dispenser:	SUCTION
Official Use:	Removed Tank. 89
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000800
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	010189

Tank ID:	8
Tank Key:	29511
Year Installed:	59
Content:	ORGANIC SOLVENT
Construction:	STEEL
Dispenser:	SUCTION
Official Use:	Removed Tank. 89
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000800
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	010189

GAZZA (Continued) **U003842832**

Tank ID:	9
Tank Key:	29512
Year Installed:	59
Content:	ORGANIC SOLVENT
Construction:	STEEL
Dispenser:	SUCTION
Official Use:	Removed Tank. 89
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000500
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	010189

G27 **KOSTER KEUNEN INC** **NY UST** **U004219763**
SW **90 BOURNE BLVD** **N/A**
< 1/8 **SAYVILLE, NY 11782**
0.112 mi.
591 ft. **Site 3 of 3 in cluster G**

Relative:
Higher

Actual:
44 ft.

SUFFOLK CO. UST:

Region:	SUFFOLK
Site Ref#:	10290
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	10290
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	KOSTER KEUNEN WAXES LTD
Storage Owner Address:	90 BOURNE BLVD
Storage Owner City:	SAYVILLE
Storage Owner State:	NY
Storage Owner Zip:	11782

Tank Info:

Facility ID:	10290

KOSTER KEUNEN INC (Continued) **U004219763**

Facility Reference #:	01595
Official Use:	Removed Tank. 96
Township:	ISLIP
Tax Map No:	0500 304.00 002 010.000
Region:	SUFFOLK
Permit to Operate:	Not reported
Tank ID:	1
Tank Key:	29504
Installed:	60
Capacity:	0000010000
Content:	#6 Fuel Oil
Date Removed:	091396
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000010000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	091396
Year Installed:	60
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	2
Tank Key:	29505
Installed:	71
Capacity:	0000010000
Content:	#6 Fuel Oil
Date Removed:	Not reported
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000010000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported

KOSTER KEUNEN INC (Continued) **U004219763**

Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	Not reported
Year Installed:	71
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	3
Tank Key:	29506
Installed:	59
Capacity:	0000005000
Content:	ORGANIC SOLVENT
Date Removed:	010185
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000005000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010185
Year Installed:	59
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	4
Tank Key:	29507
Installed:	59
Capacity:	0000003000
Content:	ORGANIC SOLVENT
Date Removed:	010185
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported

KOSTER KEUNEN INC (Continued) **U004219763**

Total Capacity:	0000003000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010185
Year Installed:	59
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	13
Tank Key:	29516
Installed:	Not reported
Capacity:	0000006000
Content:	ORGANIC SOLVENT
Date Removed:	Not reported
Construction:	Not reported
Dispenser:	SUCTION
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000006000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

F28 **UNKNOWN** **NY Spills** **S106470087**
North **LAKELAND AVE/RTE 27 SVCE** **N/A**
< 1/8 **SAYVILLE, NY**
0.115 mi.
607 ft. **Site 3 of 4 in cluster F**

Relative:
Higher

Actual:
36 ft.

SPILLS:

Facility ID:	0402922
Facility Type:	ER
DER Facility ID:	253691
Site ID:	314666
DEC Region:	1
Spill Date:	6/16/2004
Spill Number/Closed Date:	0402922 / 6/17/2004
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	6/16/2004
CID:	71
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Police Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/16/2004
Spill Record Last Update:	6/1/2009
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	SUFFOLK CO POLICE
Contact Phone:	(631) 854-8500
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "NONE"TELECON SCPDES FROM SCENE, SPILL QTY IS LESS THAN ONE QUART FROM AN UNK LEAKY VEHICLE, NO ASSISTANCE FROM DEC NEEDED
Remarks:	PATROL DISCOVERED SPILL AT INTERSECTION OF LAKELAND AV & RT 27 SERVICE RD EASTBOUND. CLEAN-UP PENDING. EMERGENCY UNIT STANDING BY. CENTRAL COMPLAIN #04327912.

Material:

Site ID:	314666
Operable Unit ID:	884730
Operable Unit:	01
Material ID:	490527
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

UNKNOWN (Continued) **S106470087**

Oxygenate: False

Tank Test:

F29 **UNK** **NY Spills** **S104952314**
North **11TH ST/SUNRISE SOUTH SVC** **N/A**
< 1/8 **BOHEMIA, NY**
0.115 mi.
607 ft. **Site 4 of 4 in cluster F**

Relative:
Higher

Actual:
36 ft.

SPILLS:

Facility ID:	0025378
Facility Type:	ER
DER Facility ID:	75908
Site ID:	82238
DEC Region:	1
Spill Date:	1/23/2001
Spill Number/Closed Date:	0025378 / 1/23/2001
Spill Cause:	Other
Spill Class:	No spill occured. No DEC Response. No corrective action required.
SWIS:	5228
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	1/23/2001
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Passenger Vehicle
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/23/2001
Spill Record Last Update:	6/29/2012
Spiller Name:	Not reported
Spiller Company:	UNK
Spiller Address:	Not reported
Spiller City,St,Zip:	***UPDATE***, ZZ
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "NONE" 1/23/01 14:21 TELECON WITH STEVE OF DOT, KNOWS NO DETAILS, WILL CALL BACK WHEN CREW RADIOS IN,14:41 TELECON WITH STEVE FROM DOT DISPATCH, FIELD CREW REPORTED NO VEHICLE BELIEVES TO BE CRACK CALL (CE)
Remarks:	DOT HIGHWAY CREW FOUND MOTOR VEHICLE ABANDONED NEXT TO A SUMP (SUMP 47?). IS ACTIVELY LEAKING AUTOMOTIVE FLUIDS (UNCERTAIN EXACTLY WHAT, BUT PROBABLY NOT GAS) INTO SUMP.

Material:

Site ID:	82238
Operable Unit ID:	836498
Operable Unit:	01
Material ID:	540805

UNK (Continued) **S104952314**

Material Code:	0005A
Material Name:	AUTO WASTE FLUIDS
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

30
WSW
< 1/8
0.118 mi.
625 ft.

RESIDENCE
78 ISLAND BLVD
SAYVILLE, NY 11782

NY Spills **S109582769**
N/A

Relative:
Higher

Actual:
44 ft.

SPILLS:

Facility ID:	0901692
Facility Type:	ER
DER Facility ID:	362822
Site ID:	413701
DEC Region:	1
Spill Date:	5/11/2009
Spill Number/Closed Date:	0901692 / 5/12/2009
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	5/11/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/11/2009
Spill Record Last Update:	1/25/2010
Spiller Name:	LISA & FRANK
Spiller Company:	Not reported
Spiller Address:	82 ISLAND BLVD
Spiller City,St,Zip:	SAYVILLE, NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	05-12-09 @ 9:30 AM T/C with caller.Per Ms. Stachowic, impacted area has been cleaned up by her neighbor. All contaminated materials were removed and properly disposed of. Caller is scheduled to backfill the excavation at a later date. No Further action required.

RESIDENCE (Continued) **S109582769**

Remarks: Caller states her neighbor is dumping waste automotive fluid over adjoining fence between properties into her flower garden. Caller further states affected area smells like oil and needs to be cleaned up. Caller has not spoken with her neighbor regarding her suspicions and does not want to approach them directly. As per callers request - she was forward to ECO desk following completion of new spill notification process.

Material:

Site ID:	413701
Operable Unit ID:	1170113
Operable Unit:	01
Material ID:	2161828
Material Code:	0005A
Material Name:	AUTO WASTE FLUIDS
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

H31 **EDR US Hist Auto Stat** **1015515213**
WNW **4825 SUNRISE HWY** **N/A**
1/8-1/4 **BOHEMIA, NY 11716**
0.146 mi.
773 ft. **Site 1 of 5 in cluster H**

Relative:
Higher

Actual:
49 ft.

EDR Historical Auto Stations:

Name:	BOHEMIA AUTOMOBILE GROUP
Year:	2012
Address:	4825 SUNRISE HWY

H32 **SUN AUTO GROUP** **RCRA-CESQG** **1000106507**
WNW **4825 SUNRISE HWY** **FINDS** **NYD982737017**
1/8-1/4 **BOHEMIA, NY** **NY MANIFEST**
0.146 mi.
773 ft. **Site 2 of 5 in cluster H**

Relative:
Higher

Actual:
49 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	LEE CHEVROLET
Facility address:	4825 SUNRISE HWY BOHEMIA, NY 11716
EPA ID:	NYD982737017
Mailing address:	SUNRISE HWY BOHEMIA, NY 11716
Contact:	PAUL FACOVITZ
Contact address:	SUNRISE HWY BOHEMIA, NY 11716
Contact country:	US
Contact telephone:	(516) 589-3100

SUN AUTO GROUP (Continued) **1000106507**

Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: ROBERT LEE
Owner/operator address: 4825 SUNRISE HWY
BOHEMIA, NY 11716
Owner/operator country: US
Owner/operator telephone: (516) 589-3100
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ROBERT LEE
Owner/operator address: 4825 SUNRISE HWY
BOHEMIA, NY 11716
Owner/operator country: US
Owner/operator telephone: (516) 589-3100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

SUN AUTO GROUP (Continued) **1000106507**

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: LEE CHEVROLET
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/09/1996
Facility name: LEE CHEVROLET
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 04/30/1993
Date achieved compliance: 10/19/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/04/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1200
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 04/30/1993
Date achieved compliance: 10/19/1993
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/19/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1200
Paid penalty amount: 1200

Evaluation Action Summary:
Evaluation date: 01/01/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/30/1993
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 10/19/1993
Evaluation lead agency: State

FINDS:

Registry ID: 110004430303

Environmental Interest/Information System

SUN AUTO GROUP (Continued) **1000106507**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110019563284

Environmental Interest/Information System

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYD982737017
Country:	USA

Mailing Info:

Name:	SUN AUTO GROUP
Contact:	JIM FALCONE
Address:	4825 SUNRISE HIGHWAY
City/State/Zip:	BOHEMIA, NY 11716
Country:	USA
Phone:	516-631-3100

Document ID:	NYC4921200
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/1998
Trans1 Recv Date:	02/05/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/05/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	NYAT8306
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00010
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	98

SUN AUTO GROUP (Continued) **1000106507**

Document ID:	NYC4992838
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	Not reported
Generator Ship Date:	04/06/1998
Trans1 Recv Date:	04/06/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/06/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	NYD000708198
Trans2 EPA ID:	Not reported
TSDF ID:	NYAT8306
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00031
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00010
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	98

Document ID:	07
Manifest Status:	000054125SKS
Trans1 State ID:	NYD982737017
Trans2 State ID:	Not reported
Generator Ship Date:	NJD982270506
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	TXR000050930
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	2
Number of Containers:	DF
Container Type:	10
Handling Method:	G
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported

SUN AUTO GROUP (Continued) **1000106507**

Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	07
Manifest Status:	000333658SKS
Trans1 State ID:	NYD982737017
Trans2 State ID:	Not reported
Generator Ship Date:	NJD982270506
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	TXR000050930
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	2
Number of Containers:	DM
Container Type:	11
Handling Method:	G
Specific Gravity:	1
Waste Code:	R
Quantity:	D040
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	07
Manifest Status:	000406683SKS
Trans1 State ID:	NYD982737017
Trans2 State ID:	Not reported
Generator Ship Date:	NJD982270506
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	TXR000050930
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	2
Number of Containers:	DM
Container Type:	14
Handling Method:	G
Specific Gravity:	1

SUN AUTO GROUP (Continued) **1000106507**

Waste Code:	R
Quantity:	D040
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	07
Manifest Status:	000406683SKS
Trans1 State ID:	NYD982737017
Trans2 State ID:	Not reported
Generator Ship Date:	NJD982270506
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	TXR000050930
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	2
Number of Containers:	DF
Container Type:	10
Handling Method:	G
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	07
Manifest Status:	000424077SKS
Trans1 State ID:	NYD982737017
Trans2 State ID:	Not reported
Generator Ship Date:	NJD982270506
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	TXR000050930
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported

SUN AUTO GROUP (Continued) **1000106507**

Units:	2
Number of Containers:	DM
Container Type:	14
Handling Method:	G
Specific Gravity:	1
Waste Code:	R
Quantity:	D040
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	07
Manifest Status:	000424077SKS
Trans1 State ID:	NYD982737017
Trans2 State ID:	Not reported
Generator Ship Date:	NJD982270506
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	TXR000050930
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	2
Number of Containers:	DF
Container Type:	10
Handling Method:	G
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	7/13/2007
Trans1 Recv Date:	7/13/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	7/17/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017

SUN AUTO GROUP (Continued) **1000106507**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	10
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000054125SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	6/15/2007
Trans1 Recv Date:	6/15/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	6/19/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	11
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000333658SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

SUN AUTO GROUP (Continued) **1000106507**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	3/22/2007
Trans1 Recv Date:	3/22/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	3/27/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	14
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000406683SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	3/22/2007
Trans1 Recv Date:	3/22/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	3/27/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	10
Units:	G - Gallons (liquids only)* (8.3 pounds)

SUN AUTO GROUP (Continued) **1000106507**

Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000406683SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	1/5/2007
Trans1 Recv Date:	1/5/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	1/9/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	14
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000424077SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported

SUN AUTO GROUP (Continued) **1000106507**

Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	1/5/2007
Trans1 Recv Date:	1/5/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	1/9/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	10
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000424077SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	11/27/2007
Trans1 Recv Date:	11/27/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/3/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	14
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000831662SKS

SUN AUTO GROUP (Continued) **1000106507**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	11/27/2007
Trans1 Recv Date:	11/27/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/3/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	10
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000831662SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	8/31/2007
Trans1 Recv Date:	8/31/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	9/7/2007

SUN AUTO GROUP (Continued) **1000106507**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	14
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000857497SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	8/31/2007
Trans1 Recv Date:	8/31/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	9/7/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982737017
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD982270506
Waste Code:	Not reported
Quantity:	10
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000857497SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

SUN AUTO GROUP (Continued) **1000106507**

Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: NYC7438487
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: Not reported
Generator Ship Date: 03/01/2005
Trans1 Recv Date: 03/01/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/01/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD982737017
Trans1 EPA ID: NY89410JE
Trans2 EPA ID: Not reported
TSDF ID: NYD000708198
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00014
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 01.00
Waste Code: D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity: 00010
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: Not reported
Specific Gravity: 01.00
Waste Code: Not reported
Quantity: Not reported
Units: Not reported
Number of Containers: Not reported
Container Type: Not reported
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: Not reported
Year: Not reported

Document ID: CTF0353933
Manifest Status: Completed copy
Trans1 State ID: P52018IL
Trans2 State ID: Not reported
Generator Ship Date: 950222
Trans1 Recv Date: 950222
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950223
Part A Recv Date: 950314
Part B Recv Date: 950313
Generator EPA ID: NYD982737017
Trans1 EPA ID: ILD099202681

SUN AUTO GROUP (Continued) **1000106507**

Trans2 EPA ID:	Not reported
TSDF ID:	CTD072138969
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01066
Units:	P - Pounds
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Click this hyperlink while viewing on your computer to access
91 additional NY_MANIFEST: record(s) in the EDR Site Report.

H33 **GENERATION KIA** **NY AST** **U003843398**
WNW **4825 SUNRISE HWY** **N/A**
1/8-1/4 **BOHEMIA, NY 11716**
0.146 mi.
773 ft. **Site 3 of 5 in cluster H**

Relative:
Higher

Actual:
49 ft.

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	06962
Status:	ACTIVE
Site Type:	PBS
Operating Permit Expires:	03/31/2015
Owner/Storage Information:	AVAILABLE

Facility Info:

Site Ref#:	06962
Billing Contact:	GENERATION KIA
Billing Address:	4825 SUNRISE HWY
Billing Address:	BOHEMIA
Billing State:	NY
Billing Zip:	11716
Storage Owner:	GENERATION KIA
Storage Owner Address:	4825 SUNRISE HWY
Storage Owner City:	BOHEMIA
Storage Owner State:	NY
Storage Owner Zip:	11716

Tank Info:

Facility ID:	06962
Facility Reference #:	Not reported
Township:	Not reported
Tax Map No:	Not reported
Region:	SUFFOLK
Tank ID:	1
Tank Key:	Not reported
Year Installed:	Not reported
Content:	WASTE OIL
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - OUT
Tabk Status:	IN SERVICE

GENERATION KIA (Continued) **U003843398**

Total Capacity:	275 gallons
Date Permitted:	06/01/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	2
Tank Key:	Not reported
Year Installed:	Not reported
Content:	WASTE OIL
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - OUT
Tabk Status:	IN SERVICE
Total Capacity:	275 gallons
Date Permitted:	06/01/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	3
Tank Key:	Not reported
Year Installed:	Not reported
Content:	MOTOR OIL
Construction:	STEEL/ IRON
Dispenser:	OTHER
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - OUT

GENERATION KIA (Continued) **U003843398**

Tabk Status:	IN SERVICE
Total Capacity:	275 gallons
Date Permitted:	06/01/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	4
Tank Key:	Not reported
Year Installed:	Not reported
Content:	MOTOR OIL
Construction:	STEEL/ IRON
Dispenser:	OTHER
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - OUT
Tabk Status:	IN SERVICE
Total Capacity:	275 gallons
Date Permitted:	06/01/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	5
Tank Key:	Not reported
Year Installed:	Not reported
Content:	MOTOR OIL
Construction:	STEEL/ IRON
Dispenser:	OTHER
Official Use:	Not reported
Permit to Operate:	Not reported

GENERATION KIA (Continued) **U003843398**

Tank Location:	ABOVE - OUT
Tabk Status:	IN SERVICE
Total Capacity:	275 gallons
Date Permitted:	06/01/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	7
Tank Key:	Not reported
Year Installed:	Not reported
Content:	TRANSMISSION FLUID
Construction:	STEEL/ IRON
Dispenser:	Not reported
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - OUT
Tabk Status:	IN SERVICE
Total Capacity:	275 gallons
Date Permitted:	06/01/1990
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	8
Tank Key:	Not reported
Year Installed:	Not reported
Content:	WASTE OIL
Construction:	STEEL/ IRON
Dispenser:	Not reported
Official Use:	Not reported

GENERATION KIA (Continued) **U003843398**

Permit to Operate:	Not reported
Tank Location:	ABOVE - OUT
Tabk Status:	REMOVED
Total Capacity:	275 gallons
Date Permitted:	Not reported
Date Closed:	03/11/2002
Internal Protection:	NONE
Secondary Containment:	NONE
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

H34 **LEE CHEVROLET INC.** **NJ MANIFEST** **S108794053**
WNW **4825 SUNRISE HWY** **N/A**
1/8-1/4 **SAYVILLE, NY 11782**
0.146 mi.
773 ft. **Site 4 of 5 in cluster H**

Relative:
Higher

Actual:
49 ft.

NJ MANIFEST:

Manifest Code:	001417274SKS
EPA ID:	NYD982737017
Date Shipped:	08/04/2008
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/04/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/07/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H141

Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	16
Unit:	G
Hand Code:	H141

Manifest Code:	000831662SKS
EPA ID:	NYD982737017
Date Shipped:	11/27/2007
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	11/27/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	12/03/2007

LEE CHEVROLET INC. (Continued) **S108794053**

Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	000054125SKS
EPA ID:	NYD982737017
Date Shipped:	07/13/2007
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/13/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/17/2007
Tranporter 1 Decal:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H14

Manifest Code:	000406683SKS
EPA ID:	NYD982737017
Date Shipped:	03/22/2007
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/22/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/27/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H14

Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	14
Unit:	G
Hand Code:	H14

Manifest Code:	000424077SKS
EPA ID:	NYD982737017
Date Shipped:	01/05/2007
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/05/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/09/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H14

Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	14
Unit:	G
Hand Code:	H14

Manifest Code:	000333658SKS
EPA ID:	NYD982737017
Date Shipped:	06/15/2007
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/15/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/19/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	11
Unit:	G
Hand Code:	H14

Manifest Code:	000857497SKS
EPA ID:	NYD982737017
Date Shipped:	08/31/2007
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/31/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/07/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	14
Unit:	G
Hand Code:	H14

Waste Code:	D039
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H14

Manifest Code:	000998747SKS
EPA ID:	NYD982737017
Date Shipped:	02/18/2008
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/18/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/26/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H141

Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	14
Unit:	G
Hand Code:	H141

Manifest Code:	001105666SKS
EPA ID:	NYD982737017
Date Shipped:	05/12/2008
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/12/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/14/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H141

Manifest Code:	001445954SKS
EPA ID:	NYD982737017
Date Shipped:	10/27/2008
TSDF EPA ID:	NJD982270506
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported

LEE CHEVROLET INC. (Continued) **S108794053**

Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/27/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/30/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	16
Unit:	G
Hand Code:	H141
Waste Code:	D039
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H141

35
WSW
1/8-1/4
0.148 mi.
780 ft.

608 CEDAR AVE
SAYVILLE, NY 11782

EDR US Hist Auto Stat **1015573140**
N/A

Relative:
Higher

Actual:
43 ft.

EDR Historical Auto Stations:
Name: HOUSE CALL AUTOMOTIVE
Year: 2004
Address: 608 CEDAR AVE

36
SE
1/8-1/4
0.163 mi.
863 ft.

COUNTRY CLUB APTS
342 CNTY RD 93 LAKELAND AVE
SAYVILLE, NY 11782

NY UST **U003538567**
N/A

Relative:
Higher

Actual:
35 ft.

SUFFOLK CO. UST:
Region: SUFFOLK
Site Ref#: 09427
Status: Not reported
Site Type: Not reported
Operating Permit Expires: Not reported
Owner/Storage Information: Not reported

Facility Info:
Site Ref#: 09427
Billing Contact: Not reported
Billing Address: Not reported
Billing Address: Not reported
Billing State: Not reported
Billing Zip: Not reported
Storage Owner: COUNTRY CLUB ASSOCIATES
Storage Owner Address: 66 COMMACK RD
Storage Owner City: COMMACK
Storage Owner State: NY
Storage Owner Zip: 11725

Tank Info:
Facility ID: 09427
Facility Reference #: 12523
Official Use: Removed Tank. 92
Township: ISLIP
Tax Map No: 0500 305.00 003 030.000
Region: SUFFOLK
Permit to Operate: Not reported

Tank ID: 1
Tank Key: 26184
Installed: 69
Capacity: 0000002000
Content: #2 FUEL OIL
Date Removed: 121692
Construction: STEEL
Dispenser: SUCTION
Fill Type: PUMPED
Tank Location: UNDER
Tabk Status: Not reported
Total Capacity: 0000002000
Date Permitted: Not reported

COUNTRY CLUB APTS (Continued) **U003538567**

Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	121692
Year Installed:	69
Description of drop records:	RECORDS AS OF 09/10/2013

37
SW
1/8-1/4
0.164 mi.
868 ft.

ARIEL GRAPHICS **RCRA NonGen / NLR** **1000203549**
80 BOURNE BLVD **FINDS** **NYD986866556**
SAYVILLE, NY 11782

Relative:
Higher

Actual:
44 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ARIEL GRAPHICS
Facility address:	80 BOURNE BLVD SAYVILLE, NY 117823307
EPA ID:	NYD986866556
Mailing address:	PO BOX 100 SAYVILLE, NY 11782
Contact:	Not reported
Contact address:	PO BOX 100 SAYVILLE, NY 11782
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ANDREA WANDELT
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ANDREA WANDELT
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999

ARIEL GRAPHICS (Continued) **1000203549**

Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ARIEL GRAPHICS
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: ARIEL GRAPHICS
Classification: Not a generator, verified

Date form received by agency: 05/04/1988
Facility name: ARIEL GRAPHICS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004436085

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

H38 **GAS STATION** **NY UST** **U003538135**
WNW **4808 RTE 27 SUNRISE HWY** **NY AST** **N/A**
1/8-1/4 **BOHEMIA, NY 11716**
0.166 mi.
875 ft. **Site 5 of 5 in cluster H**

Relative:
Higher

Actual:
49 ft.

SUFFOLK CO. UST:

Region:	SUFFOLK
Site Ref#:	09536
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	09536
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	NEW YORK STATE DOT REAL ESTATE DIV
Storage Owner Address:	4700 VETERANS HWY
Storage Owner City:	HAUPPAUGE
Storage Owner State:	NY
Storage Owner Zip:	11788

Tank Info:

Facility ID:	09536
Facility Reference #:	12644
Official Use:	Removed Tank. 95
Township:	ISLIP
Tax Map No:	0500 279.00 002 002.000
Region:	SUFFOLK
Permit to Operate:	Not reported
Tank ID:	1
Tank Key:	26908
Installed:	83
Capacity:	0000008000
Content:	GASOLINE
Date Removed:	020295
Construction:	FRP
Dispenser:	SUBMERSIBLE
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000008000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported

GAS STATION (Continued) **U003538135**

Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	020295
Year Installed:	83
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	2
Tank Key:	26909
Installed:	83
Capacity:	0000008000
Content:	GASOLINE
Date Removed:	020295
Construction:	FRP
Dispenser:	SUBMERSIBLE
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000008000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	020295
Year Installed:	83
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	3
Tank Key:	26910
Installed:	83
Capacity:	0000004000
Content:	GASOLINE
Date Removed:	020295
Construction:	FRP
Dispenser:	SUBMERSIBLE
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000004000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported

GAS STATION (Continued) **U003538135**

Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	020295
Year Installed:	83
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	4
Tank Key:	26911
Installed:	83
Capacity:	0000004000
Content:	DIESEL
Date Removed:	020295
Construction:	FRP
Dispenser:	SUBMERSIBLE
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000004000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	020295
Year Installed:	83
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	5
Tank Key:	26912
Installed:	58
Capacity:	0000000550
Content:	KEROSENE
Date Removed:	042792
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	PUMPED

GAS STATION (Continued) **U003538135**

Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000000550
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	042792
Year Installed:	58
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	6
Tank Key:	26913
Installed:	58
Capacity:	0000000550
Content:	WASTE OIL
Date Removed:	010189
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000000550
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010189
Year Installed:	58
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	7
Tank Key:	26914

GAS STATION (Continued) **U003538135**

Installed:	Not reported
Capacity:	0000004000
Content:	GASOLINE
Date Removed:	010183
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000004000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010183
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	8
Tank Key:	26915
Installed:	Not reported
Capacity:	0000003000
Content:	GASOLINE
Date Removed:	010183
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000003000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY

GAS STATION (Continued) **U003538135**

Date Removed:	010183
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	9
Tank Key:	26916
Installed:	Not reported
Capacity:	0000003000
Content:	GASOLINE
Date Removed:	010183
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000003000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010183
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	10
Tank Key:	26917
Installed:	Not reported
Capacity:	0000003000
Content:	GASOLINE
Date Removed:	010183
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000003000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported

GAS STATION (Continued) **U003538135**

Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010183
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	11
Tank Key:	26918
Installed:	Not reported
Capacity:	0000003000
Content:	GASOLINE
Date Removed:	010183
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000003000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010183
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	12
Tank Key:	26919
Installed:	Not reported
Capacity:	0000000550
Content:	WASTE OIL
Date Removed:	030295
Construction:	STEEL
Dispenser:	Not reported
Fill Type:	Not reported
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000000550
Date Permitted:	Not reported

GAS STATION (Continued) **U003538135**

Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	030295
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	13
Tank Key:	26920
Installed:	Not reported
Capacity:	0000000550
Content:	KEROSENE
Date Removed:	020295
Construction:	STEEL
Dispenser:	Not reported
Fill Type:	Not reported
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000000550
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	020295
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	09536
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported

GAS STATION (Continued) **U003538135**

Owner/Storage Information: Not reported

Facility Info:
Site Ref#: 09536
Billing Contact: Not reported
Billing Address: Not reported
Billing Address: Not reported
Billing State: Not reported
Billing Zip: Not reported
Storage Owner: NEW YORK STATE DOT REAL ESTATE DIV
Storage Owner Address: 4700 VETERANS HWY
Storage Owner City: HAUPPAUGE
Storage Owner State: NY
Storage Owner Zip: 11788

Tank Info:
Facility ID: 09536
Facility Reference #: 12644
Township: ISLIP
Tax Map No: 0500
Region: SUFFOLK

Tank ID: 14
Tank Key: 26921
Year Installed: Not reported
Content: #2 FUEL OIL
Construction: STEEL
Dispenser: Not reported
Official Use: Removed Tank. 95
Permit to Operate: Not reported
Tank Location: ABOVE
Tabk Status: Not reported
Total Capacity: 0000000275
Date Permitted: Not reported
Date Closed: Not reported
Internal Protection: Not reported
Secondary Containment: Not reported
Extrenal Protection: Not reported
Leak Detection: Not reported
Overfill Prevention: Not reported
Spill Prevention: Not reported
Pipe Location: Not reported
Pipe Type: Not reported
Pipe External Protection: Not reported
Pipe Containment: Not reported
Pipe Leak Detection: Not reported
Date Next Tank Test: Not reported
Fill: Not reported
Date Removed: 020295

39
NNE
1/8-1/4
0.177 mi.
937 ft.

K MART
5151 RTE 27 SUNRISE HWY
BOHEMIA, NY 11716

NY AST **A100197438**
N/A

Relative:
Higher

Actual:
44 ft.

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	10103
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	10103
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	K MART
Storage Owner Address:	5151 RTE 27 SUNRISE HWY
Storage Owner City:	BOHEMIA
Storage Owner State:	NY
Storage Owner Zip:	11716

Tank Info:

Facility ID:	10103
Facility Reference #:	14470
Township:	ISLIP
Tax Map No:	0500
Region:	SUFFOLK
Tank ID:	1
Tank Key:	29308
Year Installed:	Not reported
Content:	WASTE OIL
Construction:	Not reported
Dispenser:	Not reported
Official Use:	Removed Tank. 99
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000250
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported

K MART (Continued) **A100197438**

Fill:	Not reported
Date Removed:	050199
Tank ID:	2
Tank Key:	29309
Year Installed:	Not reported
Content:	WASTE OIL
Construction:	Not reported
Dispenser:	Not reported
Official Use:	Permitted Tank. Permit Runs Out. 04
Permit to Operate:	062499
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000280
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	Not reported

I40 West 1/8-1/4 0.213 mi. 1127 ft. **SUNRISE DIAGNOSTICS & AMOCO S/S** **NY UST U003538067**
635 SMITHTOWN AVE **NY AST N/A**
BOHEMIA, NY 11716

Site 1 of 4 in cluster I

Relative: Higher

Actual: 47 ft.

SUFFOLK CO. UST:

Region:	SUFFOLK
Site Ref#:	09638
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	09638
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	NYS DOT REGION 10
Storage Owner Address:	635 STATE OFFICE BLDG
Storage Owner City:	HAUPPAUGE
Storage Owner State:	NY

SUNRISE DIAGNOSTICS & AMOCO S/S (Continued) **U003538067**

Storage Owner Zip: 11788

Tank Info:

Facility ID:	09638
Facility Reference #:	13113
Official Use:	Removed Tank. 90
Township:	ISLIP
Tax Map No:	0500 256.00 002 018.000
Region:	SUFFOLK
Permit to Operate:	Not reported
Tank ID:	1
Tank Key:	27459
Installed:	77
Capacity:	0000008000
Content:	GASOLINE
Date Removed:	101590
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000008000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	101590
Year Installed:	77
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	2
Tank Key:	27460
Installed:	61
Capacity:	0000003000
Content:	GASOLINE
Date Removed:	010185
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000003000
Date Permitted:	Not reported
Date Closed:	Not reported

SUNRISE DIAGNOSTICS & AMOCO S/S (Continued) **U003538067**

Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010185
Year Installed:	61
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	3
Tank Key:	27461
Installed:	61
Capacity:	0000003000
Content:	GASOLINE
Date Removed:	010185
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000003000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	010185
Year Installed:	61
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	4
Tank Key:	27462
Installed:	72
Capacity:	0000006000
Content:	GASOLINE
Date Removed:	101590
Construction:	STEEL

SUNRISE DIAGNOSTICS & AMOCO S/S (Continued) **U003538067**

Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000006000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	101590
Year Installed:	72
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	5
Tank Key:	27463
Installed:	61
Capacity:	0000000550
Content:	WASTE OIL
Date Removed:	102490
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000000550
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	102490
Year Installed:	61
Description of drop records:	RECORDS AS OF 09/10/2013

SUNRISE DIAGNOSTICS & AMOCO S/S (Continued) **U003538067**

Tank ID:	6
Tank Key:	27464
Installed:	85
Capacity:	0000008000
Content:	GASOLINE
Date Removed:	050995
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000008000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	050995
Year Installed:	85
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	7
Tank Key:	27465
Installed:	Not reported
Capacity:	0000000550
Content:	#2 FUEL OIL
Date Removed:	110290
Construction:	STEEL
Dispenser:	SUCTION
Fill Type:	PUMPED
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000000550
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported

SUNRISE DIAGNOSTICS & AMOCO S/S (Continued) **U003538067**

Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	110290
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	8
Tank Key:	27466
Installed:	90
Capacity:	0000010000
Content:	GASOLINE
Date Removed:	050995
Construction:	FRP / FRP
Dispenser:	SUBMERSIBLE
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000010000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	050995
Year Installed:	90
Description of drop records:	RECORDS AS OF 09/10/2013

Tank ID:	9
Tank Key:	27467
Installed:	90
Capacity:	0000010000
Content:	GASOLINE
Date Removed:	050995
Construction:	FRP / FRP
Dispenser:	SUBMERSIBLE
Fill Type:	GRAVITY
Tank Location:	UNDER
Tabk Status:	Not reported
Total Capacity:	0000010000
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported

SUNRISE DIAGNOSTICS & AMOCO S/S (Continued) **U003538067**

Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	050995
Year Installed:	90
Description of drop records:	RECORDS AS OF 09/10/2013

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	09638
Status:	Not reported
Site Type:	Not reported
Operating Permit Expires:	Not reported
Owner/Storage Information:	Not reported

Facility Info:

Site Ref#:	09638
Billing Contact:	Not reported
Billing Address:	Not reported
Billing Address:	Not reported
Billing State:	Not reported
Billing Zip:	Not reported
Storage Owner:	NYS DOT REGION 10
Storage Owner Address:	635 STATE OFFICE BLDG
Storage Owner City:	HAUPPAUGE
Storage Owner State:	NY
Storage Owner Zip:	11788

Tank Info:

Facility ID:	09638
Facility Reference #:	13113
Township:	ISLIP
Tax Map No:	0500
Region:	SUFFOLK
Tank ID:	10
Tank Key:	27468
Year Installed:	90
Content:	WASTE OIL
Construction:	STEEL
Dispenser:	SUCTION
Official Use:	Removed Tank. 90
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000275
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported

SUNRISE DIAGNOSTICS & AMOCO S/S (Continued) **U003538067**

Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	GRAVITY
Date Removed:	100190

Tank ID:	11
Tank Key:	27469
Year Installed:	90
Content:	#2 FUEL OIL
Construction:	STEEL
Dispenser:	GRAVITY
Official Use:	Removed Tank. 95
Permit to Operate:	Not reported
Tank Location:	ABOVE
Tabk Status:	Not reported
Total Capacity:	0000000275
Date Permitted:	Not reported
Date Closed:	Not reported
Internal Protection:	Not reported
Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	050995

I41
West
1/8-1/4
0.213 mi.
1127 ft.

TARTAN OIL CO
635 SMITHTOWN AVE
BOHEMIA, NY 11716

Site 2 of 4 in cluster I

RCRA NonGen / NLR **1004571542**
ICIS **NYD986931954**
FINDS
NY MANIFEST

Relative:
Higher

Actual:
47 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	TARTAN OIL CO
Facility address:	635 SMITHTOWN AVE BOHEMIA, NY 11716
EPA ID:	NYD986931954
Mailing address:	PO BOX 1017 MELVILLE, NY 11747
Contact:	ALLEN LEON

TARTAN OIL CO (Continued) **1004571542**

Contact address: PO BOX 1017
MELVILLE, NY 11747
Contact country: US
Contact telephone: (516) 420-8080
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TARTAN OIL CO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: TARTAN OIL CO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: TARTAN OIL CO
Classification: Not a generator, verified

Date form received by agency: 11/29/1990
Facility name: TARTAN OIL CO
Classification: Conditionally Exempt Small Quantity Generator

TARTAN OIL CO (Continued) **1004571542**

Violation Status: No violations found

ICIS:

Enforcement Action ID: 02-1990-0098
FRS ID: 110004456703
Program ID: RCRAINFO NYD986931954
Action Name: TARTAN OIL CO
Full Address: 635 SMITHTOWN AVE BOHEMIA NY 11716
State: New York
Facility Name: TARTAN OIL CO
Facility Address: 635 SMITHTOWN AVE
BOHEMIA, NY 11716
Enforcement Action Type: CAA 113 Notice Of Violation
Facility County: SUFFOLK
EPA Region #: 2

Enforcement Action ID: 02-1990-0098
FRS ID: 110004456703
Program ID: FRS 110004456703
Action Name: TARTAN OIL CO
Full Address: 635 SMITHTOWN AVE BOHEMIA NY 11716
State: New York
Facility Name: TARTAN OIL CO
Facility Address: 635 SMITHTOWN AVE
BOHEMIA, NY 11716
Enforcement Action Type: CAA 113 Notice Of Violation
Facility County: SUFFOLK
EPA Region #: 2

Program ID: FRS 110004456703
Facility Name: TARTAN OIL CO
Address: 635 SMITHTOWN AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: RCRAINFO NYD986931954
Facility Name: TARTAN OIL CO
Address: 635 SMITHTOWN AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:

Registry ID: 110004456703

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TARTAN OIL CO (Continued) **1004571542**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NY MANIFEST:

EPA ID:	NYD986931954
Country:	USA

Mailing Info:

Name:	TARTAN OIL COMPANY
Contact:	TARTAN OIL COMPANY
Address:	SUNRISE HWY & SMITHTOWN AVE
City/State/Zip:	BOHEMIA, NY 11716
Country:	USA
Phone:	000-000-0000

Document ID:	NJA0783401
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	901206
Trans1 Recv Date:	901206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901206
Part A Recv Date:	910110
Part B Recv Date:	910116
Generator EPA ID:	NYD986931954
Trans1 EPA ID:	NJD982280851
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

I42 **AMOCO S/S** **NY LTANKS** **S101102378**
West **635 SMITHTOWN AVENUE** **NY Spills** **N/A**
1/8-1/4 **BOHEMIA, NY**
0.213 mi.
1127 ft. **Site 3 of 4 in cluster I**

Relative:
Higher

Actual:
47 ft.

LTANKS:

Site ID:	103635
Spill Number/Closed Date:	9403110 / 2/22/1995
Spill Date:	6/2/1994
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	2/22/1995
Cleanup Meets Standard:	True
SWIS:	5200
Investigator:	T/T/F
Referred To:	Not reported
Reported to Dept:	6/2/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	6/6/1994
Spill Record Last Update:	2/23/1995
Spiller Name:	Not reported
Spiller Company:	AMOCO
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	1
DER Facility ID:	91636
DEC Memo:	Not reported
Remarks:	TYREE TESTER, LINE FAILURE

Material:

Site ID:	103635
Operable Unit ID:	1000137
Operable Unit:	01
Material ID:	383281
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AMOCO S/S (Continued) **S101102378**

Site ID:	103635
Spill Tank Test:	1542816
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

SPILLS:

Facility ID:	9102566
Facility Type:	ER
DER Facility ID:	68521
Site ID:	72625
DEC Region:	1
Spill Date:	6/4/1991
Spill Number/Closed Date:	9102566 / 6/11/1991
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	5200
Investigator:	KMYAGER
Referred To:	Not reported
Reported to Dept:	6/4/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	6/11/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/5/1991
Spill Record Last Update:	6/12/1991
Spiller Name:	Not reported
Spiller Company:	AMOCO S/S
Spiller Address:	635 SMITHTOWN AVENUE
Spiller City,St,Zip:	BOHEMIA, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEROSA"06/11/91: SPILL CONTAINED AND CLEANED UP. NO FURTHER ACTION.
Remarks:	CAR PULLED AWAY WITH NOZZLE STILL IN TANK, SPILL WAS CONTAINED. FUEL WILL BE PUMPED BACK INTO TANK

Material:

Site ID:	72625
Operable Unit ID:	953471
Operable Unit:	01
Material ID:	425077
Material Code:	0009
Material Name:	Gasoline

AMOCO S/S (Continued) **S101102378**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9202954
Facility Type:	ER
DER Facility ID:	345780
Site ID:	72627
DEC Region:	1
Spill Date:	5/29/1992
Spill Number/Closed Date:	9202954 / 1/29/1996
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5228
Investigator:	KMYAGER
Referred To:	Not reported
Reported to Dept:	6/10/1992
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/11/1992
Spill Record Last Update:	4/14/2008
Spiller Name:	Not reported
Spiller Company:	AMOCO S/S
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEROSA WELL"
Remarks:	SITE ASSESSMENT SHOWS: 18,885 PPB VOC'S IN WATER & 458,475 PPB VOC'S IN SOIL

Material:

Site ID:	72627
Operable Unit ID:	970267
Operable Unit:	01
Material ID:	410781
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported

AMOCO S/S (Continued) **S101102378**

Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9111391
Facility Type:	ER
DER Facility ID:	68521
Site ID:	72626
DEC Region:	1
Spill Date:	2/4/1992
Spill Number/Closed Date:	9111391 / 2/11/1992
Spill Cause:	Human Error
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5200
Investigator:	RICE
Referred To:	Not reported
Reported to Dept:	2/4/1992
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	2/11/1992
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/5/1992
Spill Record Last Update:	2/8/1993
Spiller Name:	Not reported
Spiller Company:	VINCENT DISCALO
Spiller Address:	136 CARROLL AVENUE
Spiller City,St,Zip:	LAKE RONKONKOMA, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RICE" / / : SPILL CLEANED UP.
Remarks:	SPILL CONTAINED ON PAVEMENT, DEALER APPLIED ABSORBANT

Material:

Site ID:	72626
Operable Unit ID:	965110
Operable Unit:	01
Material ID:	416425
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0

AMOCO S/S (Continued) **S101102378**

Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9412772
Facility Type:	ER
DER Facility ID:	68521
Site ID:	72628
DEC Region:	1
Spill Date:	12/21/1994
Spill Number/Closed Date:	9412772 / 12/29/1994
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5200
Investigator:	SCHULZ
Referred To:	Not reported
Reported to Dept:	12/23/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Affected Persons
Cleanup Ceased:	12/29/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/27/1994
Spill Record Last Update:	12/30/1994
Spiller Name:	Not reported
Spiller Company:	AMOCO STATION
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	ATTEMPTED TO USE GAS PUMP, NO HOSE ON PUMP THEY WERE USING, NO SIGN STATING PUMP WAS OUT OF SERVICE, SCPD ON SCENE,

Material:

Site ID:	72628
Operable Unit ID:	1006396
Operable Unit:	01
Material ID:	375064
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No

AMOCO S/S (Continued) **S101102378**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

43
NNE
1/8-1/4
0.230 mi.
1215 ft.

CHASE MANHATTAN BANK **NY UST** **U003538766**
5141 RTE 27 SUNRISE HWY **N/A**
BOHEMIA, NY 11716

Relative:
Higher

Actual:
45 ft.

SUFFOLK CO. UST:
Region: SUFFOLK
Site Ref#: 09151
Status: Not reported
Site Type: Not reported
Operating Permit Expires: Not reported
Owner/Storage Information: Not reported

Facility Info:
Site Ref#: 09151
Billing Contact: Not reported
Billing Address: Not reported
Billing Address: Not reported
Billing State: Not reported
Billing Zip: Not reported
Storage Owner: SUNRISE REALTY ASSOCIATES
Storage Owner Address: 341 BROAD ST
Storage Owner City: CLIFTON
Storage Owner State: NJ
Storage Owner Zip: 07015

Tank Info:
Facility ID: 09151
Facility Reference #: 11092
Official Use: Removed Tank. 99
Township: ISLIP
Tax Map No: 0500 257.00 004 001.000
Region: SUFFOLK
Permit to Operate: Not reported

Tank ID: 1
Tank Key: 25779
Installed: Not reported
Capacity: 0000002000
Content: #2 FUEL OIL
Date Removed: 052099
Construction: STEEL
Dispenser: SUCTION
Fill Type: PUMPED
Tank Location: UNDER
Tabk Status: Not reported
Total Capacity: 0000002000
Date Permitted: Not reported
Date Closed: Not reported
Internal Protection: Not reported

CHASE MANHATTAN BANK (Continued) **U003538766**

Secondary Containment:	Not reported
Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	PUMPED
Date Removed:	052099
Year Installed:	Not reported
Description of drop records:	RECORDS AS OF 09/10/2013

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44 South 1/8-1/4 0.240 mi. 1269 ft.

WEST SAYVILLE IFS TRANSMITTER
CHERRY AVE
WEST SAYVILLE, NY 11796

CERC-NFRAP **1000393751**
RCRA NonGen / NLR **NY8690536208**
NY MANIFEST

Relative: Lower

Actual: 26 ft.

CERC-NFRAP:

Site ID:	0203780
Federal Facility:	Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	2276360.00000
Person ID:	2000168.00000
Contact Sequence ID:	2276690.00000
Person ID:	2000112.00000
Contact Sequence ID:	13114920.00000
Person ID:	2000112.00000
Contact Sequence ID:	13120751.00000
Person ID:	2000176.00000
Contact Sequence ID:	13377266.00000
Person ID:	2000146.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name:	WEST SAYVILLE IFS TRANSMITTER
Alias Address:	CHERRY AVE WEST SAYVILLE, NY 11796

CERCLIS-NFRAP Assessment History:

Action:	PRELIMINARY ASSESSMENT
Date Started:	/ /
Date Completed:	09/10/96
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information

WEST SAYVILLE IFS TRANSMITTER (Continued) **1000393751**

Action: DISCOVERY
Date Started: / /
Date Completed: 04/21/93
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 08/30/94
Priority Level: Higher priority for further assessment

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/31/97
Priority Level: Not reported

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: WEST SAYVILLE IFS TRANSMITTER
Facility address: CHERRY AVE
WEST SAYVILLE, NY 11796
EPA ID: NY8690536208
Mailing address: AIRWAYS RD
RONKONKOMA, NY 11779
Contact: Not reported
Contact address: AIRWAYS RD
RONKONKOMA, NY 11779
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: USDOT/FAA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: USDOT/FAA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

WEST SAYVILLE IFS TRANSMITTER (Continued) **1000393751**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: WEST SAYVILLE IFS TRANSMITTER
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: WEST SAYVILLE IFS TRANSMITTER
Classification: Not a generator, verified

Date form received by agency: 02/15/1996
Facility name: WEST SAYVILLE IFS TRANSMITTER
Site name: DOT FAA WEST SAYVILLE IFST
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Facility name: WEST SAYVILLE IFS TRANSMITTER
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NY8690536208
Country: USA

Mailing Info:
Name: UNITED STATES MILITARY
Contact: RONALD DESIMONE
Address: MACARTHUR AIRPORT/FED AVIATION
City/State/Zip: RONKONKOMA, NY 11779
Country: USA
Phone: 516-683-2883

Document ID: NYB4716828
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 10261PNY
Trans2 State ID: Not reported
Generator Ship Date: 920519
Trans1 Recv Date: 920519
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920522
Part A Recv Date: Not reported
Part B Recv Date: Not reported

WEST SAYVILLE IFS TRANSMITTER (Continued) **1000393751**

Generator EPA ID: NY8690536208
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: KSD981506025
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 15709
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 92

Document ID: NYB2849985
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 10259PNY
Trans2 State ID: Not reported
Generator Ship Date: 920522
Trans1 Recv Date: 920522
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920528
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY8690536208
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: KSD981506025
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 31820
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 92

Document ID: NYB4717233
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 10260PNY
Trans2 State ID: Not reported
Generator Ship Date: 920519
Trans1 Recv Date: 920519
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920522
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY8690536208
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: KSD981506025
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 15140
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DT - Dump trucks

WEST SAYVILLE IFS TRANSMITTER (Continued) **1000393751**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NYB6672141
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	951026
Trans1 Recv Date:	951026
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951030
Part A Recv Date:	951226
Part B Recv Date:	951117
Generator EPA ID:	NY8690536208
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	95

Document ID:	NYB6821262
Manifest Status:	Completed copy
Trans1 State ID:	S03217
Trans2 State ID:	Not reported
Generator Ship Date:	950804
Trans1 Recv Date:	950804
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950807
Part A Recv Date:	950825
Part B Recv Date:	950822
Generator EPA ID:	NY8690536208
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID:	PAD981113749
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	01788
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	95

Document ID:	NYB4841118
Manifest Status:	Completed copy
Trans1 State ID:	PTD5708
Trans2 State ID:	Not reported

WEST SAYVILLE IFS TRANSMITTER (Continued) **1000393751**

Generator Ship Date:	921012
Trans1 Recv Date:	921012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921020
Part A Recv Date:	930218
Part B Recv Date:	921105
Generator EPA ID:	NY8690536208
Trans1 EPA ID:	MND980791321
Trans2 EPA ID:	Not reported
TSDF ID:	KSD981506025
Waste Code:	B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC
Quantity:	00400
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NYB8565777
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	961127
Trans1 Recv Date:	961127
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961127
Part A Recv Date:	961220
Part B Recv Date:	970110
Generator EPA ID:	NY8690536208
Trans1 EPA ID:	NY0000936385
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00080
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

I45 **BOHEMIA AUTO WASH** **NY UST U004122400**
West **4740 SOUTH SUNRISE HWY** **NY AST N/A**
1/8-1/4 **BOHEMIA, NY 11716**
0.250 mi.
1318 ft. **Site 4 of 4 in cluster I**

Relative:
Higher

Actual:
46 ft.

UST:

Id/Status:	1-000306 / Unregistered
Program Type:	PBS
Region:	STATE
DEC Region:	1
Expiration Date:	Not reported
UTM X:	659545.28454000002
UTM Y:	4513358.8544500005
Site Type:	Retail Gasoline Sales

BOHEMIA AUTO WASH (Continued) **U004122400**

Affiliation Records:

Site Id:	397494
Affiliation Type:	Facility Owner
Company Name:	ALL STAR CAR WASH
Contact Type:	OWNER
Contact Name:	VINNY MISURACA
Address1:	4740 SUNRISE HIGHWAY
Address2:	Not reported
City:	BOHEMIA
State:	NY
Zip Code:	11716
Country Code:	001
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	njacampo
Date Last Modified:	5/8/2008

Site Id:	397494
Affiliation Type:	Mail Contact
Company Name:	ALL STAR CAR WASH
Contact Type:	OWNER
Contact Name:	VINNY MISURACA
Address1:	4740 SUNRISE HIGHWAY
Address2:	Not reported
City:	BOHEMIA
State:	NY
Zip Code:	11716
Country Code:	001
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	njacampo
Date Last Modified:	5/8/2008

Site Id:	397494
Affiliation Type:	On-Site Operator
Company Name:	CITGO
Contact Type:	Not reported
Contact Name:	ALL STAR CAR WASH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(631) 244-0044
EMail:	Not reported
Fax Number:	Not reported
Modified By:	njacampo
Date Last Modified:	5/8/2008

Site Id:	397494
Affiliation Type:	Emergency Contact
Company Name:	ALL STAR CAR WASH
Contact Type:	Not reported
Contact Name:	VINNY MISURACA

BOHEMIA AUTO WASH (Continued) **U004122400**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	njacampo
Date Last Modified:	5/8/2008

Tank Info:

Tank Number:	1
Tank ID:	222866
Tank Status:	Unregistered
Material Name:	Unregistered
Capacity Gallons:	15000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	njacampo
Last Modified:	05/08/2008

Equipment Records:

K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double-Walled (Underground)
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L08 - Piping Leak Detection - Tank Top Sump
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm

Tank Number:	2
Tank ID:	222867
Tank Status:	Unregistered
Material Name:	Unregistered
Capacity Gallons:	8000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True

BOHEMIA AUTO WASH (Continued) **U004122400**

Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: njacampo
Last Modified: 05/08/2008

Equipment Records:

A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L08 - Piping Leak Detection - Tank Top Sump
E04 - Piping Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin

Tank Number: 3
Tank ID: 222868
Tank Status: Unregistered
Material Name: Unregistered
Capacity Gallons: 8000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: njacampo
Last Modified: 05/08/2008

Equipment Records:

A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
L08 - Piping Leak Detection - Tank Top Sump
B00 - Tank External Protection - None
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

BOHEMIA AUTO WASH (Continued) **U004122400**

K01 - Spill Prevention - Catch Basin
E04 - Piping Secondary Containment - Double-Walled (Underground)

SUFFOLK CO. UST:

Region:	SUFFOLK
Site Ref#:	05486
Status:	ACTIVE
Site Type:	PBS
Operating Permit Expires:	02/28/2015
Owner/Storage Information:	AVAILABLE

Facility Info:

Site Ref#:	05486
Billing Contact:	BOHEMIA AUTO WASH
Billing Address:	4740 SOUTH SUNRISE HWY
Billing Address:	BOHEMIA
Billing State:	NY
Billing Zip:	11716
Storage Owner:	BOHEMIA AUTO WASH
Storage Owner Address:	4740 SOUTH SUNRISE HWY
Storage Owner City:	BOHEMIA
Storage Owner State:	NY
Storage Owner Zip:	11716

Tank Info:

Facility ID:	05486
Facility Reference #:	Not reported
Official Use:	Not reported
Township:	Not reported
Tax Map No:	Not reported
Region:	SUFFOLK
Permit to Operate:	Not reported

Tank ID:	7
Tank Key:	Not reported
Installed:	Not reported
Capacity:	12000 gallons
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUBMERSIBLE
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	IN SERVICE
Total Capacity:	12000 gallons
Date Permitted:	03/19/1998
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	SECONDARY WALL - FIBERGLASS
Extrenal Protection:	NONE
Leak Detection:	(DWP) ELECTRONIC LEAK PROBES
Overfill Prevention:	- Electronic Leak Alarm
Spill Prevention:	SPILL/FILL BOX AND/OR SUMP
Pipe Location:	UNDERGROUND ONLY
Pipe Type:	FLEXIBLE
Pipe External Protection:	NONE
Pipe Containment:	FLEXIBLE

BOHEMIA AUTO WASH (Continued) **U004122400**

Pipe Leak Detection:	ELECTRONIC LEAK PROBE & AUTO LINE LEAK DETECTOR
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	8
Tank Key:	Not reported
Installed:	Not reported
Capacity:	8000 gallons
Content:	GASOLINE
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUBMERSIBLE
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	IN SERVICE
Total Capacity:	8000 gallons
Date Permitted:	03/19/1998
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	SECONDARY WALL - FIBERGLASS
Extrenal Protection:	NONE
Leak Detection:	(DWP) ELECTRONIC LEAK PROBES
Overfill Prevention:	- Electronic Leak Alarm
Spill Prevention:	SPILL/FILL BOX AND/OR SUMP
Pipe Location:	UNDERGROUND ONLY
Pipe Type:	FLEXIBLE
Pipe External Protection:	NONE
Pipe Containment:	FLEXIBLE
Pipe Leak Detection:	ELECTRONIC LEAK PROBE & AUTO LINE LEAK DETECTOR
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

Tank ID:	9
Tank Key:	Not reported
Installed:	Not reported
Capacity:	8000 gallons
Content:	DIESEL
Date Removed:	Not reported
Construction:	FIBER REINFORCED PLASTIC
Dispenser:	SUBMERSIBLE
Fill Type:	Not reported
Tank Location:	UNDER - OUT
Tabk Status:	IN SERVICE
Total Capacity:	8000 gallons
Date Permitted:	03/19/1998
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	SECONDARY WALL - FIBERGLASS
Extrenal Protection:	NONE

BOHEMIA AUTO WASH (Continued) **U004122400**

Leak Detection:	(DWP) ELECTRONIC LEAK PROBES
Overfill Prevention:	- Electronic Leak Alarm
Spill Prevention:	SPILL/FILL BOX AND/OR SUMP
Pipe Location:	UNDERGROUND ONLY
Pipe Type:	FLEXIBLE
Pipe External Protection:	NONE
Pipe Containment:	FLEXIBLE
Pipe Leak Detection:	ELECTRONIC LEAK PROBE & AUTO LINE LEAK DETECTOR
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported
Year Installed:	Not reported
Description of drop records:	Not reported

AST:

Region:	STATE
DEC Region:	1
Site Status:	Unregistered
Facility Id:	1-000306
Program Type:	PBS
UTM X:	659545.28454000002
UTM Y:	4513358.8544500005
Expiration Date:	Not reported
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	397494
Affiliation Type:	Facility Owner
Company Name:	ALL STAR CAR WASH
Contact Type:	OWNER
Contact Name:	VINNY MISURACA
Address1:	4740 SUNRISE HIGHWAY
Address2:	Not reported
City:	BOHEMIA
State:	NY
Zip Code:	11716
Country Code:	001
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	njacampo
Date Last Modified:	5/8/2008

Site Id:	397494
Affiliation Type:	Mail Contact
Company Name:	ALL STAR CAR WASH
Contact Type:	OWNER
Contact Name:	VINNY MISURACA
Address1:	4740 SUNRISE HIGHWAY
Address2:	Not reported
City:	BOHEMIA
State:	NY
Zip Code:	11716
Country Code:	001
Phone:	Not reported
EMail:	Not reported

BOHEMIA AUTO WASH (Continued) **U004122400**

Fax Number:	Not reported
Modified By:	njacampo
Date Last Modified:	5/8/2008

Site Id:	397494
Affiliation Type:	On-Site Operator
Company Name:	CITGO
Contact Type:	Not reported
Contact Name:	ALL STAR CAR WASH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(631) 244-0044
EMail:	Not reported
Fax Number:	Not reported
Modified By:	njacampo
Date Last Modified:	5/8/2008

Site Id:	397494
Affiliation Type:	Emergency Contact
Company Name:	ALL STAR CAR WASH
Contact Type:	Not reported
Contact Name:	VINNY MISURACA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	njacampo
Date Last Modified:	5/8/2008

Tank Info:

Tank Number:	4
Tank Id:	222869
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Unregistered

BOHEMIA AUTO WASH (Continued) **U004122400**

Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	njacampo
Last Modified:	05/08/2008
Material Name:	Waste Oil/Used Oil

Tank Number:	5
Tank Id:	222870
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Unregistered
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	njacampo
Last Modified:	05/08/2008
Material Name:	Lube Oil

Tank Number:	6
Tank Id:	222871
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	3

BOHEMIA AUTO WASH (Continued) **U004122400**

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Unregistered
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	njacampo
Last Modified:	05/08/2008
Material Name:	Lube Oil

AST_SUFFOLK:

Region:	SUFFOLK
Site Ref#:	05486
Status:	ACTIVE
Site Type:	PBS
Operating Permit Expires:	02/28/2015
Owner/Storage Information:	AVAILABLE

Facility Info:

Site Ref#:	05486
Billing Contact:	BOHEMIA AUTO WASH
Billing Address:	4740 SOUTH SUNRISE HWY
Billing Address:	BOHEMIA
Billing State:	NY
Billing Zip:	11716
Storage Owner:	BOHEMIA AUTO WASH
Storage Owner Address:	4740 SOUTH SUNRISE HWY
Storage Owner City:	BOHEMIA
Storage Owner State:	NY
Storage Owner Zip:	11716

Tank Info:

Facility ID:	05486
Facility Reference #:	Not reported
Township:	Not reported
Tax Map No:	Not reported
Region:	SUFFOLK
Tank ID:	2
Tank Key:	Not reported
Year Installed:	Not reported
Content:	KEROSENE
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - IN
Tabk Status:	REMOVED
Total Capacity:	275 gallons
Date Permitted:	Not reported
Date Closed:	01/01/1986
Internal Protection:	NONE
Secondary Containment:	NONE

BOHEMIA AUTO WASH (Continued) **U004122400**

Extrenal Protection:	Not reported
Leak Detection:	Not reported
Overfill Prevention:	Not reported
Spill Prevention:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe External Protection:	Not reported
Pipe Containment:	Not reported
Pipe Leak Detection:	Not reported
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	3
Tank Key:	Not reported
Year Installed:	Not reported
Content:	WASTE OIL
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - IN
Tabk Status:	IN SERVICE
Total Capacity:	270 gallons
Date Permitted:	03/24/1994
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	DIKE - CONCRETE
Extrenal Protection:	PAINTED / COATED
Leak Detection:	VISUAL MONITORING (ABOVEGROUND TANK)
Overfill Prevention:	- Vent Whistle
Spill Prevention:	SECONDARY CONTAINMENT
Pipe Location:	NO PIPING
Pipe Type:	NONE
Pipe External Protection:	NONE
Pipe Containment:	NONE
Pipe Leak Detection:	NONE (NON-EXEMPT)
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	4
Tank Key:	Not reported
Year Installed:	Not reported
Content:	MOTOR OIL
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - IN
Tabk Status:	IN SERVICE
Total Capacity:	275 gallons
Date Permitted:	03/24/1994
Date Closed:	Not reported
Internal Protection:	NONE

BOHEMIA AUTO WASH (Continued) **U004122400**

Secondary Containment:	DIKE - CONCRETE
Extrenal Protection:	PAINTED / COATED
Leak Detection:	VISUAL MONITORING (ABOVEGROUND TANK)
Overfill Prevention:	- Vent Whistle
Spill Prevention:	SECONDARY CONTAINMENT
Pipe Location:	NO PIPING
Pipe Type:	NONE
Pipe External Protection:	NONE
Pipe Containment:	NONE
Pipe Leak Detection:	NONE (NON-EXEMPT)
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

Tank ID:	5
Tank Key:	Not reported
Year Installed:	Not reported
Content:	MOTOR OIL
Construction:	STEEL/ IRON
Dispenser:	SUCTION
Official Use:	Not reported
Permit to Operate:	Not reported
Tank Location:	ABOVE - IN
Tabk Status:	IN SERVICE
Total Capacity:	275 gallons
Date Permitted:	03/24/1994
Date Closed:	Not reported
Internal Protection:	NONE
Secondary Containment:	DIKE - CONCRETE
Extrenal Protection:	PAINTED / COATED
Leak Detection:	VISUAL MONITORING (ABOVEGROUND TANK)
Overfill Prevention:	- Vent Whistle
Spill Prevention:	SECONDARY CONTAINMENT
Pipe Location:	NO PIPING
Pipe Type:	NONE
Pipe External Protection:	NONE
Pipe Containment:	NONE
Pipe Leak Detection:	NONE (NON-EXEMPT)
Date Next Tank Test:	Not reported
Fill:	Not reported
Date Removed:	Not reported

J46 **PAUL SCHNECBERG & SONS** **NY LTANKS** **S100491996**
ENE **286 JOHNSON AVENUE** **N/A**
1/4-1/2 **SAYVILLE, NY**
0.364 mi.
1921 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
47 ft.

LTANKS:

Site ID:	131600
Spill Number/Closed Date:	9209189 / 3/5/1997
Spill Date:	11/7/1992
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

PAUL SCHNECBERG & SONS (Continued) **S100491996**

Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5200
Investigator:	KMYAGER
Referred To:	Not reported
Reported to Dept:	11/7/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/9/1992
Spill Record Last Update:	7/2/1997
Spiller Name:	Not reported
Spiller Company:	PAUL SCHNECBERG & SONS
Spiller Address:	286 JOHNSON AVENUE
Spiller City,St,Zip:	SAYVILLE, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	1
DER Facility ID:	113384
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SOTTILE WELL"
Remarks:	30K FAILED AT -.210, BONAFIDE TESTER, WILL EXCAVATE ISOLATE AND RETEST Not reported

Material:

Site ID:	131600
Operable Unit ID:	975891
Operable Unit:	01
Material ID:	406251
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	131600
Spill Tank Test:	1540828
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

J47 **SAYVILLE MIDDLE SCHOOL** **NY LTANKS** **S100559897**
ENE **291 JOHNSON AVENUE** **NY MANIFEST** **N/A**
1/4-1/2 **SAYVILLE, NY 11782**
0.367 mi.
1937 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
48 ft.

LTANKS:

Site ID:	324204
Spill Number/Closed Date:	9303436 / 2/9/1994
Spill Date:	6/15/1993
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	2/9/1994
Cleanup Meets Standard:	True
SWIS:	5200
Investigator:	T/T/F
Referred To:	Not reported
Reported to Dept:	6/15/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/21/1993
Spill Record Last Update:	2/10/1994
Spiller Name:	Not reported
Spiller Company:	SAYVILLE SCHOOLS
Spiller Address:	99 GREELEY AVE
Spiller City,St,Zip:	SAYVILLE, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	1
DER Facility ID:	261151
DEC Memo:	Not reported
Remarks:	15K FAILED GROSS LEAK, BONAFIDE TESTER

Material:

Site ID:	324204
Operable Unit ID:	981769
Operable Unit:	01
Material ID:	397010
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SAYVILLE MIDDLE SCHOOL (Continued) **S100559897**

Site ID:	324204
Spill Tank Test:	1541658
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

NY MANIFEST:

EPA ID:	NYR000023846
Country:	USA

Mailing Info:

Name:	SAYVILLE MIDDLE SCHOOL
Contact:	JOHN BLAKE
Address:	123 MAIN STREET
City/State/Zip:	WHITE PLAINS, NY 10601
Country:	USA
Phone:	914-681-6384

NY MANIFEST:

No Manifest Records Available

48
SSE
1/4-1/2
0.432 mi.
2282 ft.

GAZALOFF/P&G FUEL **NY LTANKS** **S103478583**
386 HILLSIDE AVENUE **N/A**
WEST SAYVILLE, NY

Relative:
Lower

Actual:
28 ft.

LTANKS:

Site ID:	77112
Spill Number/Closed Date:	9508717 / 11/27/1995
Spill Date:	10/16/1995
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5200
Investigator:	SCHULZ
Referred To:	Not reported
Reported to Dept:	10/16/1995
CID:	349
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/16/1995
Spill Record Last Update:	9/8/1998
Spiller Name:	PHIL DOWELL

GAZALOFF/P&G FUEL (Continued) **S103478583**

Spiller Company:	P&G FUEL
Spiller Address:	500 PORTION ROAD
Spiller City,St,Zip:	LAKE RONKONKOMA, NY
Spiller County:	001
Spiller Contact:	GAZALOFF
Spiller Phone:	(516) 589-2911
Spiller Extention:	Not reported
DEC Region:	1
DER Facility ID:	72000
DEC Memo:	Not reported
Remarks:	OIL CAME OUT OF VENT PIPE - DRIVER WAS BY TRUCK , HOMEOWNER SAW OIL COMING OUT OF THE VENT AND YELLED TO THE DRIVER. OIL SPRAYED ON BUSHES & FLOWER BED - DRIVER & HELPER TRIED TO DIG UP SOIL BUT STILL OIL ON GROUND

Material:

Site ID:	77112
Operable Unit ID:	1023070
Operable Unit:	01
Material ID:	359678
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

49
SW
1/4-1/2
0.457 mi.
2411 ft.

BOSTI ELEMENTARY SCHOOL **NY LTANKS** **S100147019**
4 BOURN BLVD **N/A**
OAKDALE, NY

Relative:
Higher

Actual:
40 ft.

LTANKS:

Site ID:	163151
Spill Number/Closed Date:	8800135 / 6/22/1988
Spill Date:	4/5/1988
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	6/22/1988
Cleanup Meets Standard:	True
SWIS:	5228
Investigator:	KDGOERTZ
Referred To:	Not reported
Reported to Dept:	4/5/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False

BOSTI ELEMENTARY SCHOOL (Continued) **S100147019**

UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/7/1988
Spill Record Last Update:	6/3/2005
Spiller Name:	Not reported
Spiller Company:	BOSTI ELEM SCHOOL
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	1
DER Facility ID:	137607
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GOERTZ FD"06/22/88: TYREE RETESTED SYSTEM ON 5/23/88 AFTER TYREE REPLACED GASKET IN MANWAY AND SYSTEM PASSED. DEC NOT PRESENT DURING RETEST. FILE HAS BEEN DESTROYED ACCORDING TO STATE ARCHIVE AND RECORD ADMINISTRATOR RETENTION/DISPOSAL PROCEDURES
Remarks:	50,000 GAL TANK. NO LEAK RATE GIVEN. TYREE TESTER.

Material:

Site ID:	163151
Operable Unit ID:	915789
Operable Unit:	01
Material ID:	570943
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	163151
Spill Tank Test:	1533573
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

50
South
1/4-1/2
0.483 mi.
2548 ft.

FAIRFIELD PROPERTIES
EAST STREET & SHERRY LANE
BOHEMIA, NY

NY LTANKS **S100169180**
N/A

Relative:
Lower

Actual:
29 ft.

LTANKS:

Site ID:	257985
Spill Number/Closed Date:	8900985 / 7/3/1989
Spill Date:	4/14/1989
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	7/3/1989
Cleanup Meets Standard:	True
SWIS:	5228
Investigator:	AYLEUNG
Referred To:	Not reported
Reported to Dept:	5/1/1989
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Health Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	5/3/1989
Spill Record Last Update:	4/24/2006
Spiller Name:	Not reported
Spiller Company:	FAIRFIELD PROPERTIES
Spiller Address:	EASY STREET & SHERRY LANE
Spiller City,St,Zip:	BOHEMIA, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	1
DER Facility ID:	211233
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "LEUNG FD"07/03/89: ALL TANKS PASSED SYSTEM RETEST. ALL 3 TANKS MAN WAY. VENT LINE AND OIL LINE WERE BLEED PRIOR TO RETEST.FILE HAS BEEN DESTROYED ACCORDING TO STATE ARCHIVE AND RECORD ADMINISTRATOR RETENTION/DISPOSAL PROCEDURES
Remarks:	3-1K TANKS TEST RUN NOT LONG ENOUGH.DID NOT KNOW OF TANK FAILURE UNTIL LETTER WAS RECEIVED FROM H.D.ALL TANKS PASSED RETEST.

Material:

Site ID:	257985
Operable Unit ID:	927122
Operable Unit:	01
Material ID:	452301
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

FAIRFIELD PROPERTIES (Continued) **S100169180**

Oxygenate: False

Tank Test:
Site ID: 257985
Spill Tank Test: 1535407
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

Count: 33 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BOHEMIA	S113817358	ROADWAY	LAKELAND AVE / SUNRISE HIGHWAY	11716	NY Spills
BOHEMIA	1009231435	NYSDEC	SUNRISE HWY E OCEAN AV	11716	NY MANIFEST
BOHEMIA	S111318594	SOUTH OF TRAIN TRACKS	VETERANS MEMORIAL HWY	11716	NY Spills
BOHEMIA	S110769356	INTERSECTION	VETERANS MEMORIAL HWY / REMING	11716	NY Spills
BOHEMIA	U003961256	SALES & SERVICES UNION-OOB-	3250 VETS HWY	11716	NY UST
BOHEMIA	S113817357	ROADWAY	WESTBOUND SERVICE RD RTE 27	11716	NY Spills
LAURENS	1000545644	NYS GILBERT LAKE STATE PARK	COUNTY RTE 12	13796	RCRA NonGen / NLR, NY MANIFEST
MOUNT SINAI	1007112630	VALERO GAS STATION	RTE 25A PEACHTREE LANE	11766	RCRA-CESQG, NY MANIFEST
OAKDALE	U004220000	SHELL S/S #100207	4576 RTE 27 SUNRISE HWY	11769	NY UST
OAKDALE	U003843930	ARTHUR PREMM ELEMENTARY SCHOOL	RTE 27 A MONTAUK HWY	11769	NY UST
OAKDALE	U003843756	SCWA KAYRON DR WELLFIELD - OAKDALE	RTE 27 SUNRISE HWY	11769	NY UST, NY AST
OAKDALE	A100385802	SHELL S/S #100207	4576 RTE 27 SUNRISE HWY	11769	NY AST
OAKDALE	A100265392	SCWA	RTE 27	11769	NY AST
OAKDALE	1000552153	NYS LI PK & REC-BAYARD CUTTING ARB	MONTAUK HWY	11769	RCRA NonGen / NLR, NY MANIFEST
SAYVILLE	U003844361	GETTY S/S #00443	219 RTE 27 A MONTAUK HWY MAIN	11782	NY UST, NY AST
SAYVILLE	U003843142	SAYVILLE FIRE DEPT	107 RTE 27 A MONTAUK HWY MAIN	11782	NY UST, NY AST
SAYVILLE	U003537990	EXXON S/S #37479	5230 RTE 27 A MONTAUK HWY MAIN	11782	NY UST
SAYVILLE	S106017855	UNKNOWN	RTE 27 RAMP TO LINCOLN		NY Spills
SAYVILLE	1003947062	GRAND UNION	191 RTE 27 A MONTAUK HWY	11782	NY UST
SAYVILLE	U004200247	DICKS GULF S/S	57 RTE 27A MONTAUK HWY MAIN	11782	NY UST
SAYVILLE	A100383523	DICKS GULF S/S	57 RTE 27A MONTAUK HWY MAIN	11782	NY AST
SAYVILLE	A100382188	AMOCO SERVICE STATION	188 ROUTE 27A	11782	NY AST
SAYVILLE	S106010799	SPILL NUMBER 0210500	CTY RD 97/SUNRISE HWY		NY Spills
SAYVILLE	S106434997	H/ALESSANDRA CLEANERS	399 MONTAUK HWY/N.MAIN ST	11782	NY DRYCLEANERS
SAYVILLE	S102098209	LILCO	MONTAUK HWY		NY Spills
SAYVILLE	A100281154	ALESSANDRA CLEANERS/H CLEANERS	399 MONTAUK HWY	11782	NY AST
SAYVILLE	S106969458	PAPAS FURS	4838 SOUTH SERVICE SUNRISE HWY		NY Spills
SAYVILLE	S102566934	UNK TRUCK	SUNRISE HWY EAST BOUND		NY Spills
SAYVILLE	S102097285	PELLA AUTO SALES	514 SUNRISE HWY/BROADWAY AVE		NY Spills
WEST SAYVILLE	U003844343	GAS STATION -OOB-	54 RTE 27 A MONTAUK HWY MAIN	11796	NY UST
WEST SAYVILLE	U004199822	WEST SAYVILLE CO PARK GOLF COURSE	RTE 27A	11796	NY UST
WEST SAYVILLE	U003537977	W SAYVILLE CO PARK GOLF COURSE	RTE 27A	11796	NY UST, NY AST
WEST SAYVILLE	A100383199	WEST SAYVILLE CO PARK GOLF COURSE	RTE 27A	11796	NY AST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/31/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 151

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/19/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 116

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/19/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 116

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 18

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 22

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/09/2014
Date Data Arrived at EDR: 04/10/2014
Date Made Active in Reports: 05/07/2014
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/08/2014
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/11/2014
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 05/12/2014
Date Data Arrived at EDR: 05/12/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 36
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 61
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/20/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/24/2014
Date Data Arrived at EDR: 04/25/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 53
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

State and tribal registered storage tank lists

TANKS: Storage Tank Faciliy Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/02/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/02/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/02/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/02/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/02/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/12/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 34

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/04/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 70

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/07/2014
Date Data Arrived at EDR: 05/09/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 39

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 33

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 05/12/2014
Date Data Arrived at EDR: 05/12/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 36

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/24/2014
Date Data Arrived at EDR: 04/25/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 53

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 20
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 20
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/21/2014
Number of Days to Update: 21
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 03/20/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 77
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 20
Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/20/2014
Date Data Arrived at EDR: 03/20/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List
A listing of recycling facilities.

Date of Government Version: 04/09/2014
Date Data Arrived at EDR: 04/10/2014
Date Made Active in Reports: 05/07/2014
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Quarterly

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/21/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 05/21/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 19

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 105

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/11/2014
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/10/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 132

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 05/06/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/08/2014
Date Data Arrived at EDR: 04/09/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/10/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 03/07/2014
Date Data Arrived at EDR: 03/12/2014
Date Made Active in Reports: 04/25/2014
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 06/12/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/07/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 04/17/2014
Date Data Arrived at EDR: 04/18/2014
Date Made Active in Reports: 05/07/2014
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/29/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/12/2014
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 11/01/2013
Date Made Active in Reports: 01/09/2014
Number of Days to Update: 69
Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 06/18/2014
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/02/2014
Number of Days to Update: 2
Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 06/20/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34
Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 41
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: N/A

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 04/09/2014
Date Data Arrived at EDR: 04/11/2014
Date Made Active in Reports: 05/07/2014
Number of Days to Update: 26

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 12/05/2013
Date Made Active in Reports: 02/17/2014
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 04/09/2014
Date Data Arrived at EDR: 04/11/2014
Date Made Active in Reports: 05/07/2014
Number of Days to Update: 26

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/11/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 14

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 14

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 81

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/07/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 81

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/07/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 03/14/2014
Date Data Arrived at EDR: 03/14/2014
Date Made Active in Reports: 05/07/2014
Number of Days to Update: 54

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 03/14/2014
Date Data Arrived at EDR: 03/14/2014
Date Made Active in Reports: 05/07/2014
Number of Days to Update: 54

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/03/2014
Number of Days to Update: 34

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/03/2014
Number of Days to Update: 34

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 03/18/2014
Date Data Arrived at EDR: 03/20/2014
Date Made Active in Reports: 04/25/2014
Number of Days to Update: 36

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 03/18/2014
Date Data Arrived at EDR: 03/20/2014
Date Made Active in Reports: 04/25/2014
Number of Days to Update: 36

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/23/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 03/27/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RSL1401
458 LAKELAND AVENUE
SAYVILLE, NY 11782

TARGET PROPERTY COORDINATES

Latitude (North):	40.757 - 40° 45' 25.20''
Longitude (West):	73.0982 - 73° 5' 53.52''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	660539.0
UTM Y (Meters):	4513310.5
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-G1 PATCHOGUE, NY
Most Recent Revision:	1967
South Map:	40073-F1 SAYVILLE, NY
Most Recent Revision:	1976

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

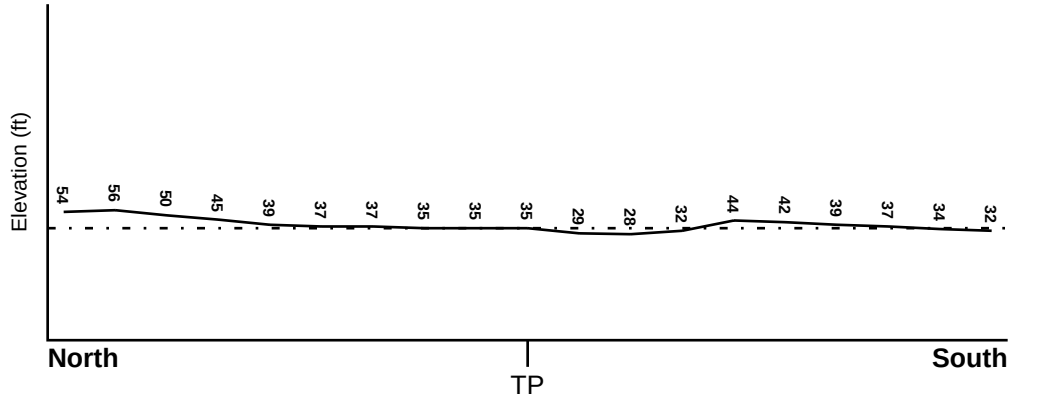
TOPOGRAPHIC INFORMATION

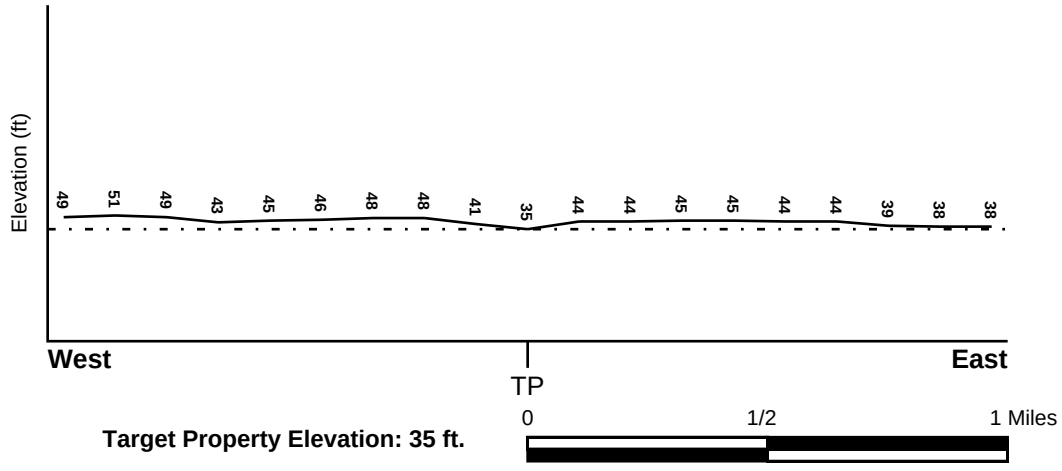
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 35 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SUFFOLK, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 36103C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PATCHOGUE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

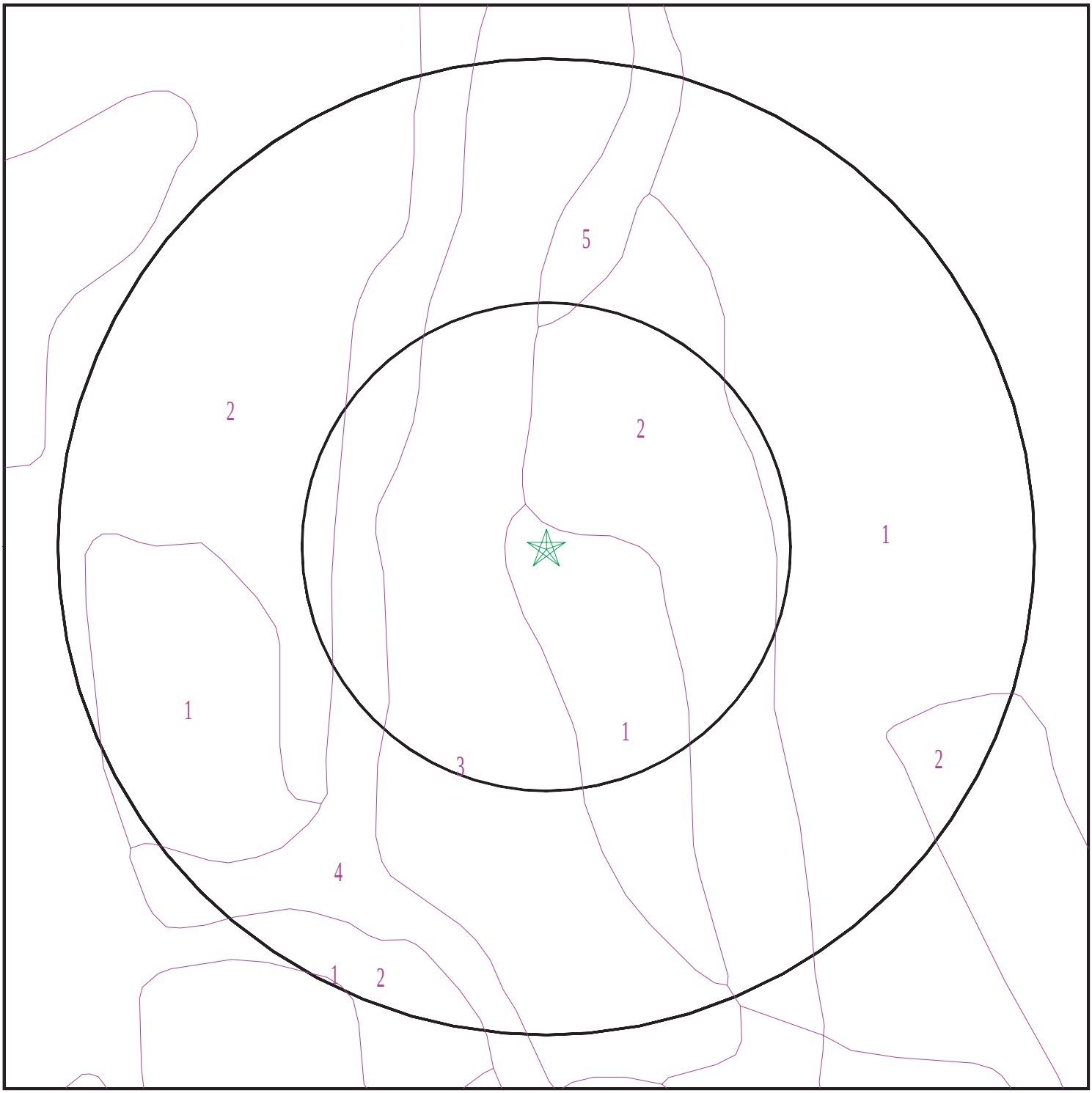
Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene
Code:	Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4019942.22s



SITE NAME:	RSL1401	CLIENT:	P.W. Grosser Consulting
ADDRESS:	458 Lakeland Avenue Sayville NY 11782	CONTACT:	Rocky Wenskus
		INQUIRY #:	4019942.22s
LAT/LONG:	40.757 / 73.0982	DATE:	July 28, 2014 4:56 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Riverhead

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 5.5 Min: 4.5
2	11 inches	27 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 5.5 Min: 4.5
3	27 inches	35 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 5.5 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	35 inches	64 inches	stratified coarse sand to gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 5.5 Min: 4.5

Soil Map ID: 2

Soil Component Name: Haven

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	11 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	18 inches	27 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
4	27 inches	59 inches	stratified gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 3

Soil Component Name: Plymouth

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	3 inches	27 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6
3	27 inches	59 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141 Min: 141	Max: 5.5 Min: 3.6

Soil Map ID: 4

Soil Component Name: Plymouth

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6
2	3 inches	27 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 5.5 Min: 3.6
3	27 inches	59 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141 Min: 141	Max: 5.5 Min: 3.6

Soil Map ID: 5

Soil Component Name: Cut and fill land

Soil Surface Texture: sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 153 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000831435	1/2 - 1 Mile SE
2	USGS40000831673	1/2 - 1 Mile West
3	USGS40000831396	1/2 - 1 Mile SW
A4	USGS40000832066	1/2 - 1 Mile NNE
A5	USGS40000832067	1/2 - 1 Mile NNE
6	USGS40000831423	1/2 - 1 Mile SW
7	USGS40000831234	1/2 - 1 Mile South
12	USGS40000831514	1/2 - 1 Mile ESE
13	USGS40000832092	1/2 - 1 Mile NE
14	USGS40000832015	1/2 - 1 Mile ENE
C15	USGS40000832162	1/2 - 1 Mile NNE
C16	USGS40000832163	1/2 - 1 Mile NNE
D17	USGS40000832173	1/2 - 1 Mile North
D18	USGS40000832174	1/2 - 1 Mile North
D19	USGS40000832175	1/2 - 1 Mile North
E20	USGS40000831671	1/2 - 1 Mile East
E21	USGS40000831672	1/2 - 1 Mile East
E22	USGS40000831684	1/2 - 1 Mile East
F23	USGS40000831704	1/2 - 1 Mile East
F24	USGS40000831705	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

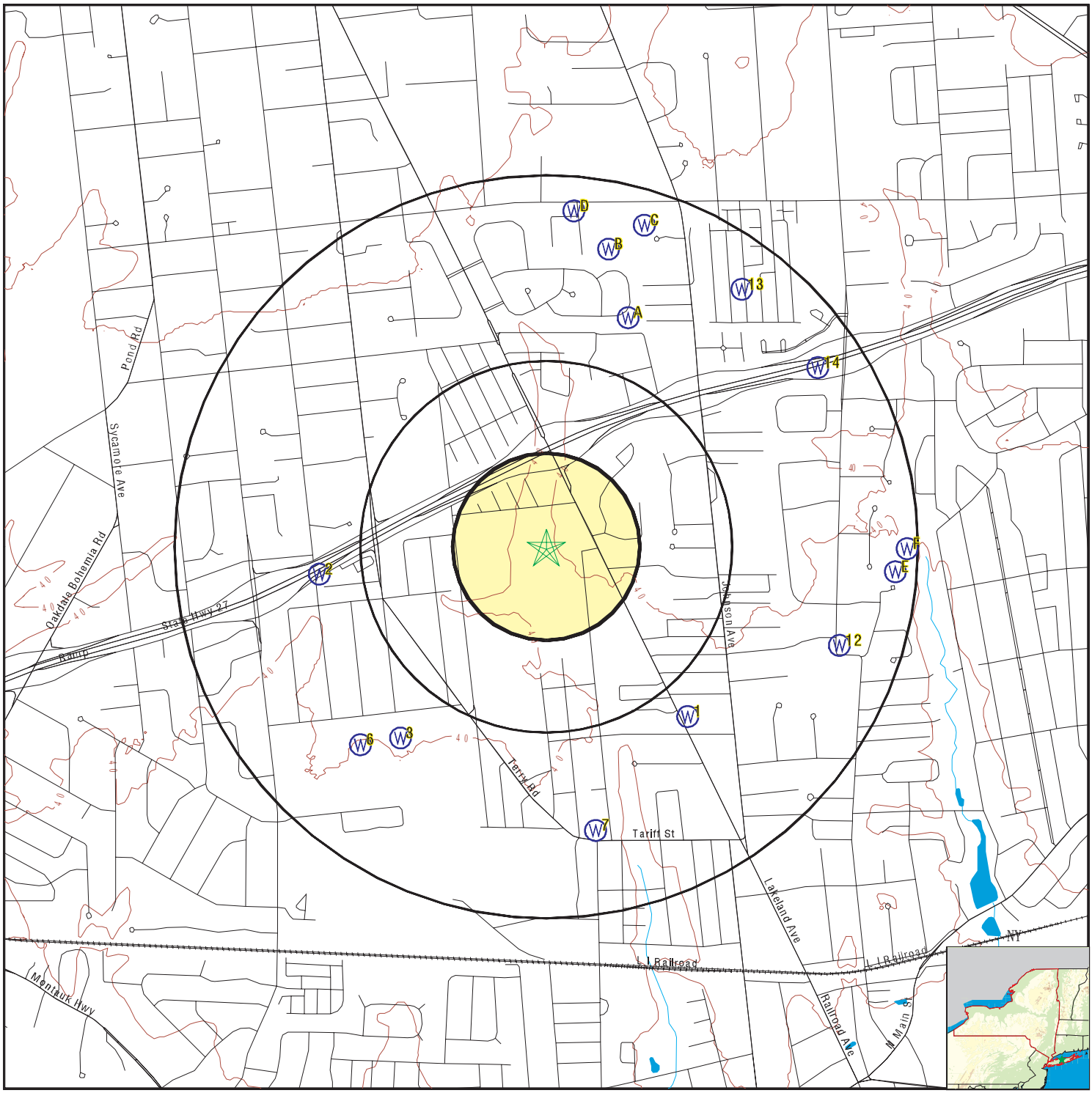
MAP ID	WELL ID	LOCATION FROM TP
B8	NYWS006163	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B9	NYWS006164	1/2 - 1 Mile NNE
B10	NYWS006161	1/2 - 1 Mile NNE
B11	NYWS006162	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 4019942.22s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	RSL1401	CLIENT:	P.W. Grosser Consulting
ADDRESS:	458 Lakeland Avenue Sayville NY 11782	CONTACT:	Rocky Wenskus
		INQUIRY #:	4019942.22s
LAT/LONG:	40.757 / 73.0982	DATE:	July 28, 2014 4:56 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000831435**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404501073052901		
Monloc name:	S 80. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.750376
Longitude:	-73.0909447	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	121
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

2
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000831673**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404521073063701		
Monloc name:	S 26059. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7559316
Longitude:	-73.1098341	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	43.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	75
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

3
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000831396**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404458073062201		
Monloc name:	S 56029. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7495427
Longitude:	-73.1056674	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	42
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A4
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000832066**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404557073054001		
Monloc name:	S 74484. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7659316
Longitude:	-73.094	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	20
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A5
NNE **FED USGS** **USGS40000832067**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404557073054002		
Monloc name:	S 74485. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7659316
Longitude:	-73.094	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	30
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
SW **FED USGS** **USGS40000831423**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404500073062101		
Monloc name:	S 56030. 1		
Monloc type:	Well		
Monloc desc:	LAT/LONG UPDATES FROM SIM 3066		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7492778
Longitude:	-73.1077222	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	44
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		

Aquifer type:	Not Reported		
Construction date:	19751031	Welldepth:	36
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 11

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-15		19.09	2003-03-17		19.46
2002-03-27		16.64	2001-03-21		18.72
2000-03-22		17.85	1999-03-23		19.25
1998-03-18		20.52	1997-03-17		19.75
1996-03-18		18.55	1995-03-16		17.61
1994-05-03		19.94			

7
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000831234**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404445073054600		
Monloc name:	S 30827. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7459316
Longitude:	-73.0956671	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	60
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B8
NNE
1/2 - 1 Mile
Higher

NY WELLS **NYWS006163**

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	218	Well name:	CHURCH STREET BOH. WELL # 1 S-52126
Type:	Well	Active?:	Active
County:	SUFFOLK COUNTY	Latitude:	404607 000
Longitude:	730542 000	Slec_type_:	AC
Agency:	RANDAZZO, KAREN		
Address:	PO BOX 18043		
City/State/Zip:	HAUPPAUGUE NY 11788		
Phone:	631-563-0258		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

B9
NNE
1/2 - 1 Mile
Higher

NY WELLS **NYWS006164**

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	219	Well name:	CHURCH STREET BOH. WELL # 2 S-57871
Type:	Well	Active?:	Active
County:	SUFFOLK COUNTY	Latitude:	404607 000
Longitude:	730542 000	Slec_type_:	AC
Agency:	RANDAZZO, KAREN		
Address:	PO BOX 18043		
City/State/Zip:	HAUPPAUGUE NY 11788		
Phone:	631-563-0258		

B10
NNE
1/2 - 1 Mile
Higher

NY WELLS **NYWS006161**

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	218	Well name:	CHURCH STREET BOH. WELL # 1 S-52126
Type:	Well	Active?:	Active
County:	SUFFOLK COUNTY	Latitude:	404607 000
Longitude:	730542 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

B11
NNE
1/2 - 1 Mile
Higher

NY WELLS **NYWS006162**

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	219	Well name:	CHURCH STREET BOH. WELL # 2 S-57871
Type:	Well	Active?:	Active
County:	SUFFOLK COUNTY	Latitude:	404607 000
Longitude:	730542 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

12
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000831514**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404511073050100		
Monloc name:	S 34904. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7531538
Longitude:	-73.0831666	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	63
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

13
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000832092**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404601073051901		
Monloc name:	S 49749. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7670427
Longitude:	-73.0881665	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	46
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 12

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1983-04-06		27.46	1980-04-03		29.59
1979-09-17		31.19	1979-06-11		32.13
1979-03-27		33.04	1979-01-12		29.87
1978-03-20		30.99	1976-03-31		29.99
1975-12-17		28.72	1975-10-07		29.18
1975-02-21		28.95	1973-10-03		29.74

14
ENE **FED USGS** **USGS40000832015**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404550073050501		
Monloc name:	S 3739. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7639871
Longitude:	-73.0842775	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	30
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 115

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1952-12-29		27.83	1952-12-03		28.08
1952-11-04		28.46	1952-09-23		29.14
1952-08-26		29.59	1952-07-22		30.15
1952-06-23		30.61	1952-05-26		30.43
1952-04-22		30.18	1952-03-25		29.87
1952-02-26		29.51	1952-01-24		28.57
1951-12-19		27.44	1951-11-27		27.42
1951-10-31		27.31	1951-10-09		27.50
1951-09-25		27.00	1951-08-28		27.44
1951-07-26		27.99	1951-06-20		28.13
1951-06-01		28.18	1951-04-24		28.10
1951-03-27		27.50	1951-02-21		26.45
1951-01-25		26.40	1950-12-29		26.28
1950-11-27		26.49	1950-10-24		26.71
1950-09-27		26.63	1950-08-31		27.00

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1950-07-24		27.31
1950-04-26		27.44
1950-03-01		26.97
1949-12-30		26.65
1949-10-25		27.44
1949-08-25		28.26
1949-07-07		29.13
1949-04-27		29.97
1949-02-23		29.60
1948-12-27		27.62
1948-10-26		28.40
1948-08-27		29.49
1948-06-30		29.89
1948-05-04		29.39
1948-02-27		27.78
1947-12-23		26.97
1947-10-30		26.41
1947-09-04		27.03
1947-07-10		27.55
1947-05-07		27.66
1947-03-04		26.52
1947-01-02		26.88
1946-11-01		27.75
1946-09-04		28.53
1946-07-05		28.82
1946-05-08		27.80
1946-03-06		27.71
1946-01-03		26.64
1945-10-30		26.72
1945-09-06		27.50
1945-06-27		28.37
1945-05-03		27.96
1945-02-28		27.80
1944-12-28		27.59
1944-11-01		26.66
1944-08-30		27.41
1944-06-29		28.49
1944-04-29		28.41
1944-03-01		27.25
1943-12-30		26.48
1943-10-28		26.49
1943-09-02		27.70
1943-07-20		28.42
1950-06-28		28.08
1950-03-29		27.29
1950-02-02		26.36
1949-12-04		26.95
1949-10-06		27.74
1949-07-27		28.77
1949-05-26		29.75
1949-03-28		30.04
1949-01-25		29.27
1948-12-01		27.95
1948-10-01		28.82
1948-08-03		29.86
1948-06-01		29.52
1948-04-01		29.06
1948-02-05		27.13
1947-11-25		26.70
1947-10-03		26.69
1947-08-04		27.35
1947-06-06		27.75
1947-04-04		26.59
1947-02-10		26.56
1946-12-02		27.28
1946-09-27		28.24
1946-07-31		28.43
1946-06-13		28.77
1946-04-09		27.80
1946-02-14		27.53
1945-11-30		26.42
1945-10-05		27.05
1945-08-01		27.96
1945-05-30		28.29
1945-03-27		28.06
1945-01-31		27.78
1944-11-30		26.61
1944-09-29		27.10
1944-07-28		27.99
1944-06-01		28.89
1944-03-31		27.80
1944-01-31		27.35
1943-11-29		26.75
1943-09-24		27.47
1943-08-02		28.26

C15
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000832162**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404610073053701		
Monloc name:	S 42564. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7695427
Longitude:	-73.0931666	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	57.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

C16
NNE **FED USGS** **USGS40000832163**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404610073053702		
Monloc name:	S 40818. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7695427
Longitude:	-73.0931666	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	55.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Magothy Aquifer		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	754
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

D17
North **FED USGS** **USGS40000832173**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404612073055001		
Monloc name:	S 52126. 1		
Monloc type:	Well		
Monloc desc:	SCWA CHURCH ST BHMA #1 BOHEMIA		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7700983
Longitude:	-73.0967778	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	52.2
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	156
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-04-05		30.67	1985-04-05		30.67

D18
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000832174**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404612073055002		
Monloc name:	S 57871. 1		
Monloc type:	Well		
Monloc desc:	SCWA CHURCH ST BHMA #2 BOHEMIA		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7700983
Longitude:	-73.0967778	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	53.7
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	160
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-04-05		31.52	1985-04-05		31.52
1984-04-19		34.11			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D19
North
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000832175**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404612073055003		
Monloc name:	S 68552. 1		
Monloc type:	Well		
Monloc desc:	SCWA CHURCH ST BHMA #3 BOHEMIA		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7700983
Longitude:	-73.0967778	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	57.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Magothy Aquifer		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	838
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 15

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1999-04-20		30.53	1998-04-21		31.67
1997-04-17		30.82	1996-04-10		28.54
1994-04-12		30.42	1993-04-20		31.07
1992-04-07		29.90	1991-04-04		32.49
1990-04-05		31.96	1989-03-21		28.57
1988-04-06		28.88			
1986-06-26		27.70			
Note: The site had been pumped recently.					
1985-04-05		30.96	1985-04-05		30.96
1984-04-19		32.42			

E20
East
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40000831671**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404521073045101		
Monloc name:	S I18. 1A		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7559316
Longitude:	-73.0803886	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	26
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E21
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000831672**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404521073045102		
Monloc name:	S I18. 3C		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7559316
Longitude:	-73.0803886	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Glacial Aquifer, Upper		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	67
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E22
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000831684**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404522073045001		
Monloc name:	S 57723. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7562094
Longitude:	-73.0801109	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	38.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Magothy Aquifer		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	807
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

F23
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000831704**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404524073044801		
Monloc name:	S 60812. 1		
Monloc type:	Well		
Monloc desc:	LAT/LONG UPDATES FROM SIM 3066		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7570833
Longitude:	-73.0798333	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	38.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Magothy Aquifer		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	489
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 18

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-18		25.16	2003-03-25		24.42
2002-03-26		22.85	2001-03-22		15.94
2000-03-16		24.27	1998-04-21		26.87
1997-04-17		26.15	1996-04-10		24.05
1994-04-12		25.75			
1993-04-20		16.31			
Note: A nearby site that taps the same aquifer was being pumped.					
1992-04-07		25.18			
Note: The site had been pumped recently.					
1991-04-04		27.14			
1990-04-02		17.45			
Note: A nearby site that taps the same aquifer was being pumped.					

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-03-21		22.98			
Note: The site had been pumped recently.					
1988-04-06		24.13			
Note: A nearby site that taps the same aquifer had been pumped recently.					
1985-04-04		25.83	1985-04-04		25.84
1984-04-20		27.54			

F24
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000831705**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404524073044802		
Monloc name:	S 73492. 1		
Monloc type:	Well		
Monloc desc:	SCWA CHINA RD #2 SAYVILLE		
Huc code:	02030202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7567649
Longitude:	-73.0795553	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1986-06-26		21.48			
Note: The site had been pumped recently.					
1985-04-04		25.66	1985-04-04		25.66

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RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
SUFFOLK	BABYLON	49	1.07	0.76	5.5
SUFFOLK	BROOKHAVEN	117	1.61	1.22	7.5
SUFFOLK	E. HAMPTON	19	1.55	1.16	4.7
SUFFOLK	HUNTINGTON	146	2.13	1.47	22.2
SUFFOLK	ISLIP	61	1.19	0.74	10.4
SUFFOLK	NORTHPORT	4	1.43	1.12	2.5
SUFFOLK	RIVERHEAD	9	2.18	1.26	8.9
SUFFOLK	SHELTER ISLAND	1	1.1	1.1	1.1
SUFFOLK	SMITHTOWN	60	3.02	1.48	42.6
SUFFOLK	SOUTHAMPTON	24	0.99	0.8	2.8
SUFFOLK	SOUTHOLD	7	2.47	1.58	8.6

Federal EPA Radon Zone for SUFFOLK County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SUFFOLK COUNTY, NY

Number of sites tested: 183

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.670 pCi/L	100%	0%	0%
Basement	1.010 pCi/L	98%	2%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX H
FREEDOM OF INFORMATION ACT REQUESTS

P.W. GROSSER CONSULTING

July 21, 2014

Nancy Pinamonti
FOIL Coordinator
NYSDEC, Region I
SUNY Stony Brook
Stony Brook, New York 11790-2356

Re: Freedom of Information Request
Island Hills Golf Course
458 Lakeland Ave
Sayville, NY 11782
District 500, Section 280.00, Block 01.00, Lot 015.001

Dear Ms Pinamonti:

P.W. Grosser Consulting, Inc. (PWGC) has been retained to prepare a Phase I Environmental Site Assessment for the above referenced address.

We are requesting available copies of environmental files, records, and memoranda concerning the facility. This information should include: 1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3) generation, storage, treatment, or disposal of hazardous substances; 4) past or present groundwater, surface water, and soil investigations; 5) environmental permits/violations.

We will gladly pay copying costs.

Please advise if this request can be accommodated in an expedient manner. We would like to schedule an appointment to copy the file/records if this is not possible.

Feel free to call with any questions or if additional information is needed to respond to this request.

Very truly yours,
PWGC

R. Wenskus

Rocky Wenskus
Senior Hydrogeologist

ACEC
American Council of Engineering Companies
Peer Reviewed Member

P.W. GROSSER CONSULTING

July 30, 2014

Freedom of Information Officer
United States Environmental
Protection Agency, Region II
290 Broadway, 26th Floor
New York, NY 10007-1866

Re: Freedom of Information Request
Island Hills Golf Course
458 Lakeland Ave
Sayville, NY 11782
District 500, Section 280.00, Block 01.00, Lot 015.001

Dear FOIL Coordinator:

P.W. Grosser Consulting, Inc. (PWGC) has been retained to prepare a Phase I Environmental Site Assessment for the above referenced address.

We are requesting available copies of environmental files, records, and memoranda concerning the facility. This information should include: 1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3) generation, storage, treatment, or disposal of hazardous substances; 4) past or present groundwater, surface water, and soil investigations; 5) environmental permits/violations.

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Please advise if this request can be accommodated in an expedient manner. We would like to schedule an appointment to copy the file/records if this is not possible.

Feel free to call with any questions or if additional information is needed to respond to this request.

Very truly yours,
PWGC

R. Wenskus

Rocky Wenskus
Senior Hydrogeologist

ACEC
American Council of Engineering Companies
Peer Reviewed Member

P.W. GROSSER CONSULTING

July 30, 2014

Records Access Officer
Suffolk County Department of Health Services
3500 Sunrise Highway, Building 200
Suite 124
Great River, NY 11739

Re: Freedom of Information Request
Island Hills Golf Course
458 Lakeland Ave
Sayville, NY 11782
District 500, Section 280.00, Block 01.00, Lot 015.001

Dear Records Access Officer:

P.W. Grosser Consulting, Inc. (PWGC) has been retained to prepare a Phase I Environmental Site Assessment for the above referenced address.

We are requesting available copies of environmental files, records, and memoranda concerning the facility. This information should include: 1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3) generation, storage, treatment, or disposal of hazardous substances; 4) past or present groundwater, surface water, and soil investigations; 5) environmental permits/violations.

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Please advise if this request can be accommodated in an expedient manner. We would like to schedule an appointment to copy the file/records if this is not possible.

Feel free to call with any questions or if additional information is needed to respond to this request.

Very truly yours,
PWGC

R. Wenskus

Rocky Wenskus
Senior Hydrogeologist

ACEC
American Council of Engineering Companies
Peer Reviewed Member

APPLICATION FOR PUBLIC ACCESS TO RECORDS
Suffolk County Department of Health Services

INSTRUCTIONS TO APPLICANT: Please complete Section I of this form. Do not leave any areas blank. You can also use the print button to create a hard copy and submit the signed form to the Freedom of Information Officer.

Date of Application: 8/4/2014
Applicant Represents: PW Grosser Consulting
Applicant's Name: Rocky Wenskus
Applicant's Address: 630 Johnson Ave Bohemia, NY 11716
Applicant's Phone: 631-589-6353 Applicant's Email: rwenskus@pwgrosser.com
Applicants Signature: R. Wenskus

Describe the record sought and include a complete tax map number (District, Section, Block & Lot in the proper format). If possible supply date(s), a file title, file reference number, the physical address and any other information that will help locate the record desired.

458 Lakeland Ave
Sayville, NY 11782
Island Hills Golf Course
District 500, Section 280.00, Block 01.00, Lot 015.001

SECTION I –
I HEREBY APPLY TO:

- ☒ Inspect the following record
- ○ Receive a copy of the following document(s)

Please send to:

Acting Freedom of Information Officer:	Michelle Rosen
Agency Name:	Suffolk County Department of Health Services
Address:	3500 Sunrise Highway, Suite 124 Post Office Box 9006 Great River, NY 11739-9006 Fax # 631-854-0156

SECTION II - For use by Freedom of Information Officer** (or designee) **only

- ○ Approved. Call to arrange an appointment to inspect the requested record.
  Contact Person: _____ Phone: _____
- ○ Records not possessed or maintained by this agency.
- ○ Records cannot be found after diligent search.
- ○ Denied. Reason for denial: _____
- ○ Document(s) enclosed as requested.
- ○ Receipt of this request is acknowledged. There will be a delay in supplying the requested record until payment of reproduction fee is received. The following fee applies $ _____
- ○ Other: _____

Signature: _____ Title: _____ Date: _____

Section III - Notice to applicant

You have the right to appeal a denial of this application in writing to the Office of the County Attorney within 30 days of the denial. Information as to the person to contact is shown below. The contacted person must respond to you in writing within ten business days of receipt of your appeal.

Suffolk County Attorney
H. Lee Dennison Bld. 6th floor
Veterans Memorial Highway
Hauppauge, NY 11788

Business Telephone: (631) 853-4049
Tracking Number:
(Assigned by Agency)

P.W. GROSSER CONSULTING

September 10, 2014

Olga H. Murray
Town of Islip Clerk
Town Hall
655 Main Street
Islip, New York 11751

Re: Freedom of Information Request - Resubmittal
Island Hills Golf Course
458 Lakeland Ave
Sayville, NY 11782
District 500, Section 280.00, Block 01.00, Lot 015.001

Dear Ms Murray:

P.W. Grosser Consulting, Inc. (PWGC) has been retained to prepare a Phase I Environmental Site Assessment for the above referenced address.

We are requesting available copies of environmental files, records, and memoranda concerning the facility. This information should include: 1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3) generation, storage, treatment, or disposal of hazardous substances; 4) past or present groundwater, surface water, and soil investigations; 5) environmental permits/violations.

We will gladly pay copying costs.

Please advise if this request can be accommodated in an expedient manner. We would like to schedule an appointment to copy the file/records if this is not possible.

Feel free to call with any questions or if additional information is needed to respond to this request.

Very truly yours,
PWGC

Rocky Wenskus
Senior Hydrogeologist

ACEC
American Council of Engineering Companies
Peer Reviewed Member

P.W. GROSSER CONSULTING

July 30, 2014

Olga H. Murray
Town of Islip Clerk
Town Hall
655 Main Street
Islip, New York 11751

Re: Freedom of Information Request
Island Hills Golf Course
458 Lakeland Ave
Sayville, NY 11782
District 500, Section 280.00, Block 01.00, Lot 015.001

Dear Ms Murray:

P.W. Grosser Consulting, Inc. (PWGC) has been retained to prepare a Phase I Environmental Site Assessment for the above referenced address.

We are requesting available copies of environmental files, records, and memoranda concerning the facility. This information should include: 1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3) generation, storage, treatment, or disposal of hazardous substances; 4) past or present groundwater, surface water, and soil investigations; 5) environmental permits/violations.

We will gladly pay copying costs.

Please advise if this request can be accommodated in an expedient manner. We would like to schedule an appointment to copy the file/records if this is not possible.

Feel free to call with any questions or if additional information is needed to respond to this request.

Very truly yours,
PWGC

Rocky Wenskus
Senior Hydrogeologist

ACEC
American Council of Engineering Companies
Peer Reviewed Member

NYSDEC SPILL REPORT FORM

DEC REGION: 1 **SPILL NUMBER:** 0511071

SPILL NAME: ISLAND HILLS GOLF CLUB **DEC LEAD:** HMCIRRIT

SPILL DATE: 12/21/2005 **SPILL TIME:** 1:00 pm

CALL RECEIVED DATE: 12/21/2005 **RECEIVED TIME:** 2:52 pm

SPILL LOCATION

PLACE: ISLAND HILLS GOLF CLUB **COUNTY:** Suffolk

STREET: 458 LAKELAND AVENUE **TOWN/CITY:** Islip

COMMUNITY: SAYVILLE

CONTACT: JOHN **CONTACT PHONE:** (631) 445-7092

CONT. FACTOR: Other **SPILL REPORTED BY:** Tank Tester

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

SUFFOLK CTY #05-0623. 99% SURE THAT THE PRODUCT IS GOING BACK INTO THE TANK.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Gasoline	Petroleum		0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ISLAND HILLS GOLF CLUB	458 LAKELAND AVE SAYVILLE NY	JOHN GENOVESI (631) 445-7092

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

12/21/05 15;25 LEFT MESSAGE FOR STEVE-G&M DEGE, LINE TEST, BAD CHECK VALVE, DOES NOT BELIEVE THERE IS A SPILL, PLANS TO RETEST LINE

REPLACED CHECK VALVE, ACTUALLY FOUND SYSTEM TO HAVE 2 DO THEY REMOVED THE ONE AT THE TANK TOP

PIN **T & A** **COST CENTER**

CLASS: B3 **CLOSE DATE:** 03/21/2006 **MEETS STANDARDS:** False

Created On: 12/21/2005

Date Printed: 9/24/2014 Last Updated: 09/22/2014

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region One
Spill Prevention and Response
Building 40 - SUNY, Stony Brook, New York 11790-2356
Phone: (631) 444-0320 FAX: (631) 444-0328

Denise M.Sheehan
Commissioner

January 3, 2006

CERTIFIED LETTER - RETURN RECEIPT REQUESTED

Mr. John Genovesi
Island Hills Golf Club
458 Lakeland Avenue
Sayville, NY 11782

Re: Spill # 05-11071, Island Hills Golf Club, Lakeland Avenue, Sayville, NY

Dear Mr. Genovesi:

G&M Dege has informed the New York State Department of Environmental Conservation (DEC) that a line associated with a gasoline tank failed a Petrotite systems test on 12/21/05. In accordance with Article 12 of the New York State Navigation Law, I must determine if the tank system has released product that may contaminate the soil and/or groundwater of the State. In order for me to make this determination, you must do the following:

Excavate and investigate the condition of the piping and surrounding soil. You must immediately notify DEC to schedule an inspection if contaminated soil is encountered. The contaminated soil must be remediated and a representative of this department must inspect the excavation prior to backfilling. You may then replace or repair the piping, and retest the line using a state approved test method. **Be advised that the piping system cannot be used until the problem is resolved.**

You must complete the enclosed Tank Test Failure Check Sheet entirely, have it signed by a representative who is responsible for the tank system and/or property, and submit it to this office along with the tank test results and copies of the contaminated soil disposal manifests, if any, within thirty (30) days of rectifying the cause for failing the original test. The DEC will **not** consider closure of the referenced spill file until you complete and submit the Tank Test Failure Check Sheet and all attachments.

Please be advised that if the county fire marshal and/or health department required the line test for regulatory purposes, you may be limited to specific testing methods and/or contractors for that purpose. Be advised that you can only remove contaminated soil from the site by using a transporter

with a DEC Part 364 Permit.

Please call me at (631) 444-0333 to advise me of how you will proceed to resolve this problem. If this office does not receive a response from you by 1/17/06, DEC will proceed with further investigation of your site and will then seek reimbursement from you for all costs associated with the investigation/remediation in accordance with Article 12 of the New York State Navigation Law.

Should you have any questions or comments, please contact me at the above telephone number.

Sincerely,

Mary M. Henning

Mary M. Henning
Agency Program Aide

cc: A. Santino, SCDHS
H. Cirrito, NYSDEC
File

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region One
Spill Prevention and Response
Building 40 - SUNY, Stony Brook, New York 11790-2356
Phone: (631) 444-0320 FAX: (631) 444-0373

Denise M. Sheehan
Commissioner

March 31, 2006

Mr. John Genovesi
Island Hills Golf Club
458 Lakeland Avenue
Sayville, NY 11782

Re: Spill # 05-11071, Island Hills Golf Club Lakeland Avenue, Sayville, NY

Dear Mr. Genovesi:

This Department has reviewed the referenced spill file. Based upon this review and the documentation submitted to this office by you, we have no further requirements for this tank test failure at this time.

Should additional environmental problems be discovered at the referenced site, this office will require further action at that time. The spill file has been removed from our active spill list.

If you have any questions please contact me at (631) 444-0333.

Sincerely,

Mary M. Henning
Agency Program Aide

RECEIVED
JAN 13 2006
REG 1 - OIL SPILLS

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
LINE TEST COVER SHEET
Date: 07/28/2005

FACILITY INFORMATION:

Facility Name: ISLAND HILLS GOLF CLUB
Address: CNTY RD 93 LAKELAND AVE
SAYVILLE, NY 11782
0500 280.00 001 015.000

Tank Registration No.: 5-0263 **File Reference No.:** 07235

NYSDEC Spill # 0511071

TESTING COMPANY INFORMATION:

Company Name: Steve Mertens
Technician Name: G+M Dege INC
Technician License No.: 151
Test Type (Circle one): EZY-Chek II / Petro-Comp / UST 2000 / (Petro-Tite)

TEST INFORMATION:

TANK #	VOLUME	CONTENTS	O/R	TEST DATE	ITEM TESTED	RESULTS	PASS Y/N	SIPHON TO TK#	COUNTY USE
(*) 2	1000	Gasoline	O	8-2-05	LINE	Angle check NOT HOLDING			

O/R - Orig. / Retest
Item Tested - System / Tank / Line / Other
Results - rate in gallons per hr.
Siphoned to Tank # - Enter the No. of the tank that test tank was siphoned to.(if applicable)

IF TANK HAS MORE THAN ONE PRODUCT LINE PUT ADDITIONAL RESULTS ON A LINE TEST COVER SHEET.

*** THIS FORM MUST BE SUBMITTED WITH THE LINE TEST RESULTS TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES. ***

(*) Rec'd approval to convert to European System. G+M Dege INC to schedule with SUFFOLK HEALTH DEPT.

TTF CHECK SHEET

Spill # 05-11071

Date system passed a re-test (copy of results must be attached to this sheet) 2/15/06

What type of product is stored in the tank Gasoline

What type of product supply system is connected to the tank ☒ Suction ☐ Submersible ☐ Other

RECEIVED
FEB 22 2006
REG 1 - OIL SPILLS

Tank System Repairs

☐ Manway or manway gasket, explain

☐ Fill pipe or fitting associated with the fill pipe, explain

☐ Vent pipe or fitting associated with the vent pipe, explain

☒ Piping, fitting or pump(s) associated with the supply line, explain Removed faulty check valve & converted to European System

☐ Piping or fitting associated with the return line, explain

☐ Leak Detection System, explain

☐ Other (specify and explain)

Remedial Activity

Was contaminated soil encountered at the site.....Yes_____, amount_____No ✓

If yes, you must call NYS DEC to determine if an inspection of the site will be required prior to backfilling the excavation. Failure to comply will likely result in this office requiring a series of soil borings on the property to determine soil and groundwater conditions at the site. Copies of the contaminated soil disposal manifests (signed by the facility accepting the material) must be attached to this sheet.

Did the original failure result in a discharge to secondary containment.....Yes_____No ✓

If yes, the secondary containment must be checked for tightness. If the secondary containment is not tight, soil under the containment must be checked for contamination. If found, you must call NYS DEC as stated above.

N/A Was the secondary containment tight.....Yes_____No_____

N/A Was product removed from the secondary containment...Yes_____, amount_____No_____

Site History

Have any repairs, upgrades or modifications been performed on the tanks, piping, pumps or secondary containment at the site over the past year.....Yes ✓ No_____

If yes, please specify the nature of the work and dates performed on the back of this page. Conversion to European System/ Removal of faulty check valve.

Print Name: John J. Genovesi Signature: John J. Genovesi

Affiliation: Golf Course Superintendent Island Hills Golf Club Phone Number: (631) 589-3796

Telephone: (631) 475-1450
Fax: (631) 475-1238
Email: gmdege@optonline.net

G & M Dege, Inc.

(Est. 1920)

• SERVICE • MAINTENANCE • INSTALLATION

• Gasoline Pumps • Service Station Equipment • Compressors • Certified Tank / Line Testing • Tank Installations • Lifts • Signs • Island Lighting • Environmental Testing • Blacktop • Trenching

250 ORCHARD ROAD, EAST PATCHOGUE, NEW YORK 11772

NYSDEC
SUNY Bldg. 40
Stony Brook NY 11790
Attn: Hugh Cirrito

RECEIVED
MAR 16 2006
REG 1 - OIL SPILL

March 13, 2006

Dear Hugh,

This letter is in regards to the Island Hills Golf Club on Lakeland Ave. Sayville NY. We removed the existing angle check valve internal poppet and resealed angle check valve cap back on. The system now has only one check valve mounted internally in the Gasboy 1820 pump. This is now considered a "European system" and if the system runs out of product or the piping develops a leak, the system will not be able to prime itself.

If you have any further questions, please feel free to call.

Thank you.

Steve Mertens
G & M Dege Inc.

Cc; Island Hills Golf Club

P.W. GROSSER CONSULTING

October 21, 2015

Mr. Phil Fallon
R Squared Real Estate Partners
85 South Service Road
Plainview, NY

Mr. Paul Griffin
Managing Director
Hudson Realty Capital, Inc.
5-9 Union Square West, 6th Floor
New York, NY 10003

RE: Site Remediation – October 2015
Island Hills Golf Course

Dear Mr. Fallon:

In 2006, P.W. Grosser Consulting, Inc. (PWGC) conducted a Phase I / II assessment of the Island Hills Golf Club. The Phase II identified several issues associated with storage tanks and Underground Injection Control (UIC) structures (cesspools / drywells) across the site. The identified concerns included:

- A suspected underground storage tank (UST) was identified in the golf cart parking area of the Pro Shop.
- A sanitary vent was identified in the golf cart parking area of the Pro Shop. Based upon the presence of an asphalt patch, the vent appears to be connected to a sanitary system located south of the building. Given this configuration, the potential for a potential former cesspool to be present in the vicinity of the vent could not be ruled out.
- The central maintenance / bathroom building has an associated onsite sanitary system. The system was not sampled in 2006.
- Two onsite sanitary systems associated with the Clubhouse were found to have elevated concentrations:
    - Septic tank SS-3 located at the northeast corner of the Clubhouse had elevated levels of one Volatile Organic Compound (VOC), Chlorobenzene. It was recommended to remediate the septic tank and any associated leaching pools.
    - Sanitary leaching pool SS-1 had levels of lead that nearly exceeded its respective Suffolk County Department of Health (SCDHS) action level. It was recommended that it be remediated.
- Three issues were identified with respect to the South Maintenance building:
    - Storm drain SD-3 was found to contain elevated levels of mercury and remediation of the drain was recommended.
    - The cesspool associated with the building (SS-6) contained elevated levels of two Semi-VOC compounds (SVOCs) and remediation of the cesspool was recommended.
    - A vehicle maintenance pit was identified in the southern portion of the building. Visibly impacted sediments were observed in the pit and remediation was recommended.

To address these issues, investigative and remedial activities were performed in October 2015. A site map showing the above locations is included as **Figure 1**. A summary of this work is as follows:

Site Investigation / Remedial Activities

Pro Shop UST

On October 2, 2015 PWGC and environmental contractor Metro Environmental Services, LLC (MES) conducted a shallow excavation at the suspected Pro Shop UST location. At approximately 6" below the concrete slab floor, a UST was encountered. The tank was estimated to be a 330 gallon tank installed in the horizontal configuration.

PWGC and MES returned to the site on October 6, 2015. MES hand excavated around the tank. No signs of contamination were noted in the vicinity of the tank. The tank was removed from the excavation by hand. No signs of impact were noted in the excavation area and no signs of holes were noted in the tank. The tank was cleaned of residual sludges and properly disposed of. Photos of the tank are included in **Appendix A**.

PWGC collected a soil sample from beneath the tank (UST_EP001) at an approximate depth of four feet below grade. The sample was submitted to a New York State Department of Health (NYSDOH) certified laboratory to be analyzed for VOCs and SVOCs as per NYSDEC document CP-51. Analytical results are summarized in **Table 1** and **2**. As shown in the tables, no detections over the CP-51 unrestricted soil cleanup objectives (SCO) was noted. Laboratory data sheets are included in **Appendix B**.

Based upon these results, PWGC has no further recommendations with regards to the Pro Shop UST.

Pro Shop UIC

On October 2, 2015 PWGC and MES conducted a test pit in the vicinity of the sanitary vent where there was potential for an additional sanitary structure. Excavation of the area revealed the presence of a sanitary pipe which ran south towards the known cesspool to the south. No evidence of an additional UIC structure, such as pre-cast rings, block, or piping was noted in the exploratory test pit. Based upon the lack of such evidence, PWGC had no further recommendations with regard to this concern.

Central Maintenance Area UIC Structure

To assess if the cesspool (SS-5) associated with the central maintenance building would require remediation, PWGC collected a sediment sample (SS005) from the base of the structure on October 2, 2015. The sample was submitted for laboratory analysis for VOCs, SVOCs, and metals as per Suffolk County Department of Health (SCDHS) SOP-95. Analytical results were compared to the SCDHS SOP 9-95 action levels and are summarized in **Tables 3, 4**, and **5**. As shown in the tables, no exceedances of SCHDS action levels were noted, therefore, remediation of the cesspool is not required.

As remediation was not required, PWGC had no further recommendations for the central maintenance building sanitary system.

UIC Remediation - Clubhouse

As noted above, two sanitary systems associated with the clubhouse building required remediation.

SS-3 Sanitary System

Sanitary System SS-3 consists of a septic tank (SS-3) and distribution box at grade and is located at the northeast corner of the clubhouse. In 2006, only the septic tank was sampled and found to be impacted. In 2006 it was suspected that four below grade pools were present. As part of this remedial effort, we assumed the below grade pools were impacted and chose to remediate without preliminary assessment.

On October 6, 2015, MES conducted a geophysical assessment of the parking lot area associated with SS-3 in order to locate the below grade cesspools and clear the area of utilities. MES located three below grade pools by geophysical means. Test pits were then performed to confirm the presence of the pools. As a fourth pool was suspected, MES conducted various exploratory test holes in an effort to locate an additional structure. As no evidence of a fourth below grade structure was encountered after considerable excavation, it was determined that only three below grade pools exist.

Remediation of septic tank SS-3 was performed on October 13, 2015 by Clearbrook. Standing liquids were pumped from the septic tank utilizing a vacuum truck. Inspection of the tank showed the structure to be a solid bottom septic tank. No cracks or holes were noted in the structure. As the structure had a solid bottom, sampling was not required.

Remediation of the three overflow pools was conducted on October 14, 2015. Standing liquids were pumped from the three cesspools utilizing a vacuum truck. Sediments were removed from the base of the three cesspools until visibly clean sediments were encountered. Approximately 1-2 feet of sediment was removed from the base of each structure. Upon completion of sediment removal, endpoint samples (UIC001_EP002, UIC002_EP003, UIC003_EP004) were collected from the three structures for VOCs, SVOCs, and metals.

SS-1 Sanitary System

Sanitary system SS-1 consisted of a primary cesspool and one overflow cesspool. As the primary cesspool was within (but approaching) its respective action levels for metals, only remediation of SS-1 was recommended. Remediation of SS-1 was performed on October 13 and followed the procedures described above. Approximately 2-3 feet of sediment was removed from the base of the structure. Upon completion of sediment removal, an endpoint sample (SS001_EP001) was collected from the base of the structure for VOCs, SVOCs, and metals.

UIC Remediation - South Maintenance Building

As noted above, one sanitary system, two storm drains, and one maintenance pit associated with the south maintenance building required remediation.

SS-6 Sanitary System

Sanitary system SS-6 consisted of a primary cesspool. The cesspool was located 55’ south of the building. Remediation of SS-6 was performed on October 7 and followed the procedures described above. Approximately 2-3 feet of sediment was removed from the base of the structure. Upon completion of sediment removal, an endpoint sample (SS-6) was collected from the base of the structure for VOCs, SVOCs, and metals.

South Maintenance Building Storm Drains

Two storm drains are associated with the south maintenance building. Sampling in 2006 revealed only one of the two drains to be impacted, but for good measure, both drains were cleaned during this remedial measure. Remediation of the storm drains was performed on October 6 and followed the procedures described above. Approximately 2-3 feet of sediment was removed from the base of the structure. Upon completion of sediment removal, an endpoint sample was collected from the base of each structure (SD-3 & SD-4) for VOCs, SVOCs, and metals.

South Maintenance Building Maintenance Pit

Clearbrook utilized the guzzler truck to remove sediments from the base of the maintenance pit. Approximately one foot of sediment was removed from the base of the structure. With the removal of the sediments, the structure was found to have a largely solid bottom with the exception of a 1.5'x1.5' hole in the bottom to act as a drain. PWGC directed Clearbrook to remove an additional 1.5' of sediment from the hole. PWGC collected an endpoint sample (PIT01) from this location for VOCs, SVOCs and Metals. To prevent future impacts associated with the pit, the hole at the base was sealed with concrete by PWGC.

UIC Remediation - Results

End point results of the above remedial measures were compared to the SCDHS cleanup objectives as contained with SOP 9-95. A summary of the results are included as **Tables 7, 8**, and **9**. Laboratory data sheets are included in **Appendix B**. As shown in the tables, no exceedances of their respective cleanup objectives were noted, indicating the remedial effort was effective.

UIC Remediation – Waste Generation

As a result of the site remedial activates, 19,200 gallons of liquid waste were generated and disposed of at Clearflow Technologies, North Lindenhurst. A total of 13.87 tons of sanitary system sludges were generated and disposed of at Clearbrook's transfer facility in Deer Park. Additionally, 12.92 tons of storm drain sediments were generated and disposed of at 110 Sand in Melville.

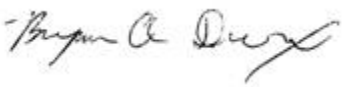
Waste manifests are included as **Appendix C**.

Conclusions and Recommendations

With the completion of this investigative and remedial effort, the outstanding UST and UIC issues as identified in the 2006 PWGC Phase II assessment have been addressed and PWGC has no further recommendations at this time.

If you have any questions concerning this work, please don't hesitate to contact me.

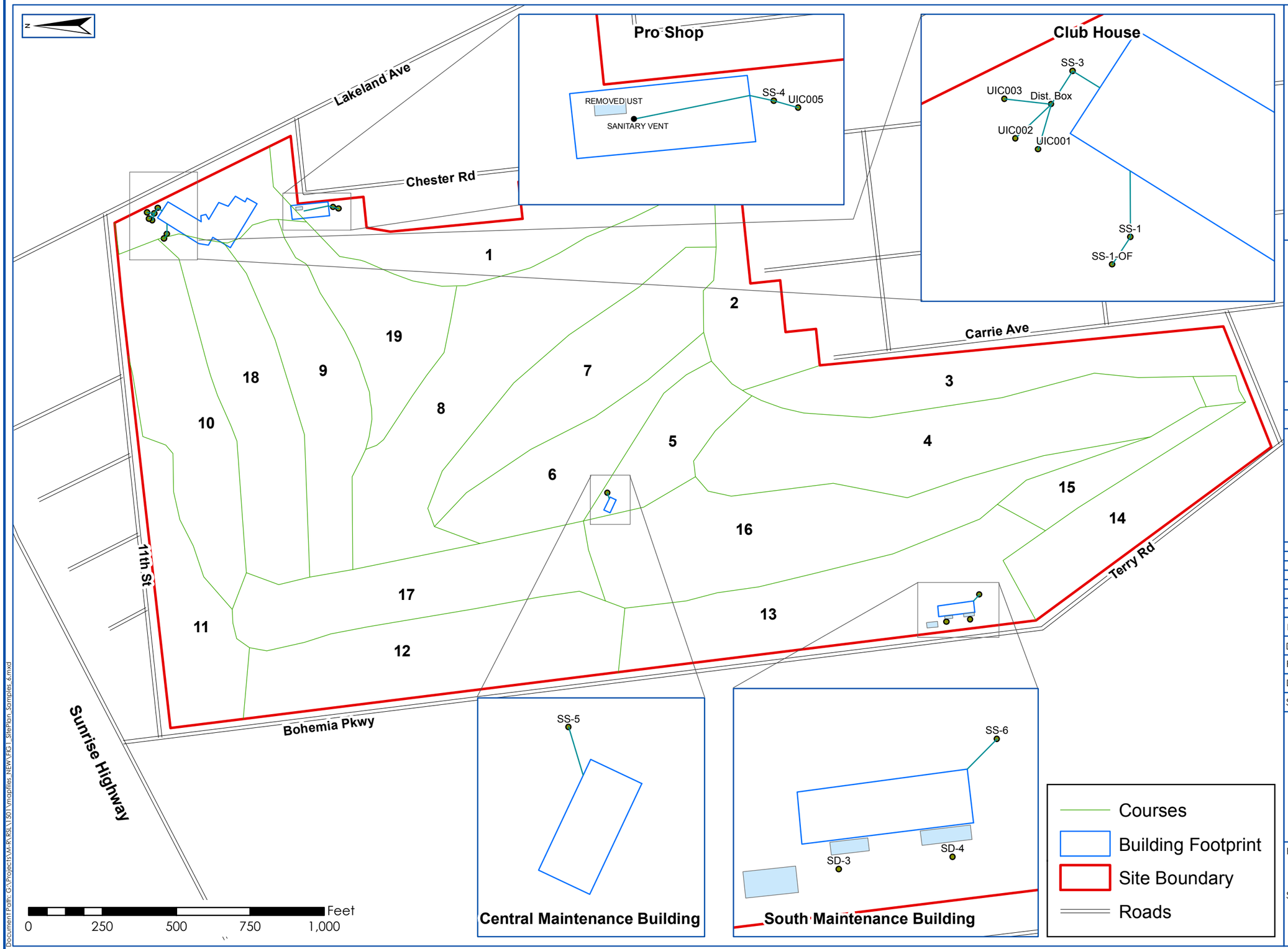
Very truly yours,
P.W. Grosser Consulting,



Bryan A. Devaux
Principal

PWGC
Strategic Environmental Engineering Solutions

FIGURES



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SITE PLAN

ISLAND HILLS GOLF CLUB
458 LAKELAND AVE
SAYVILLE, NY

FIGURE NO:

1

SHEET:

TABLES

Table 1

Sediment Sample Analytical Results for
Volatile Organic Compounds
New York State Department of Environmental Conservation CP-51

Island Hill Golf Club, Sayville, NY

Client Sample ID:	NYSDEC CP-51 [1]	UST_EP001	
Description of Sample Location:		Pro Shop Tank Endpoint	
Sampling Date:		10/6/2015	
Lab Sample ID:		L152518-01	
Volatile Organics by 8260/5035 - Westborough Lab (ug/kg)			
1,1,1,2-Tetrachloroethane	NS	0.95	U
1,1,1-Trichloroethane	NS	0.95	U
1,1,2,2-Tetrachloroethane	NS	0.95	U
1,1,2-Trichloroethane	NS	1.4	U
1,1-Dichloroethane	NS	1.4	U
1,1-Dichloroethene	NS	0.95	U
1,1-Dichloropropene	NS	4.7	U
1,2,3-Trichlorobenzene	NS	4.7	U
1,2,3-Trichloropropane	NS	9.5	U
1,2,4,5-Tetramethylbenzene	NS	3.8	U
1,2,4-Trichlorobenzene	NS	4.7	U
1,2,4-Trimethylbenzene	3,600	4.7	U
1,2-Dibromo-3-chloropropane	NS	4.7	U
1,2-Dibromoethane	NS	3.8	U
1,2-Dichlorobenzene	NS	4.7	U
1,2-Dichloroethane	NS	0.95	U
1,2-Dichloroethene, Total	NS	0.95	U
1,2-Dichloropropane	NS	3.3	U
1,3,5-Trimethylbenzene	8,400	4.7	U
1,3-Dichlorobenzene	NS	4.7	U
1,3-Dichloropropane	NS	4.7	U
1,3-Dichloropropene, Total	NS	0.95	U
1,4-Dichlorobenzene	NS	4.7	U
1,4-Dioxane	NS	95	U
2,2-Dichloropropane	NS	4.7	U
2-Butanone	NS	9.5	U
2-Hexanone	NS	9.5	U
4-Methyl-2-pentanone	NS	9.5	U
Acetone	NS	9.5	U
Acrylonitrile	NS	9.5	U
Benzene	60	0.95	U
Bromobenzene	NS	4.7	U
Bromochloromethane	NS	4.7	U
Bromodichloromethane	NS	0.95	U
Bromoform	NS	3.8	U
Bromomethane	NS	1.9	U
Carbon disulfide	NS	9.5	U
Carbon tetrachloride	NS	0.95	U
Chlorobenzene	NS	0.95	U
Chloroethane	NS	1.9	U
Chloroform	NS	1.4	U
Chloromethane	NS	4.7	U
cis-1,2-Dichloroethene	NS	0.95	U
cis-1,3-Dichloropropene	NS	0.95	U
Dibromochloromethane	NS	0.95	U
Dibromomethane	NS	9.5	U
Dichlorodifluoromethane	NS	9.5	U
Ethylbenzene	1,000	0.25	J
Freon-113	NS	19	U
Hexachlorobutadiene	NS	4.7	U
Isopropylbenzene	2,300	0.95	U
Methyl tert butyl ether	930	1.9	U
Methylene chloride	NS	2.6	J
n-Butylbenzene	12,000	0.95	U
n-Propylbenzene	3,900	0.95	U
Naphthalene	12,000	4.7	U
o-Chlorotoluene	NS	4.7	U
o-Xylene	260	0.24	J
p-Chlorotoluene	NS	4.7	U
p-Diethylbenzene	NS	3.8	U
p-Ethyltoluene	NS	3.8	U
p-Isopropyltoluene	10,000	0.95	U
p/m-Xylene	260	0.98	J
sec-Butylbenzene	11,000	0.95	U
Styrene	NS	1.9	U
tert-Butylbenzene	5,900	4.7	U
Tetrachloroethene	NS	0.95	U
Toluene	700	0.79	J
trans-1,2-Dichloroethene	NS	1.4	U
trans-1,3-Dichloropropene	NS	0.95	U
Trichloroethene	NS	0.95	U
Trichlorofluoromethane	NS	4.7	U
Vinyl acetate	NS	9.5	U
Vinyl chloride	NS	1.9	U
Xylenes, Total	260	1.2	J

Notes:

All units are ug/kg (ppb).

[1] NYSDEC Final Commisioner Policy, CP-51 ,Tables 2 & 3; *Soil Cleanup Levels for Gasoline/Fuel Oil Contaminated Soils*.

NS - No Standard.

J : Result is greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Table 2

Sediment Sample Analytical Results for
Semi-Volatile Organic Compounds
New York State Department of Environmental Conservation CP-51

Island Hill Golf Club, Sayville, NY

Client Sample ID: Description of Sample Location: Sampling Date: Lab Sample ID:	NYSDEC CP-51 [1]	UST_EP001 Pro Shop Tank Endpoint 10/6/2015 L152518-01	
Semi-Volatile Organics by GC/MS - Westborough Lab (ug/kg)			
Acenaphthene	20,000	130	U
Acenaphthylene	100,000	130	U
Anthracene	100,000	100	U
Benzo(a)anthracene	1,000	100	U
Benzo(a)pyrene	1,000	130	U
Benzo(b)fluoranthene	1,000	100	U
Benzo(ghi)perylene	100,000	130	U
Benzo(k)fluoranthene	800	100	U
Chrysene	1,000	100	U
Dibenzo(a,h)anthracene	330	100	U
Fluoranthene	100,000	100	U
Fluorene	30,000	170	U
Indeno(1,2,3-cd)pyrene	500	130	U
Naphthalene	12,000	170	U
Phenanthrene	100,000	100	U
Pyrene	100,000	100	U

Notes:

All units are ug/kg (ppb).

[1] NYSDEC Final Commisioner Policy, CP-51 ,Tables 2 & 3; *Soil Cleanup Levels for Gasoline/Fuel Oil Contaminated Soils*.

J : Result is greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Table 3

Sediment Sample Analytical Results for
Volatile Organic Compounds
Suffolk County Department of Health Action Levels

Island Hill Golf Club, Sayville, NY

Client Sample ID:	SCDHS Action Levels [1]	SS005	
Description of Sample Location:		Central Maint. Bldg Cesspool	
Sampling Date:		10/2/2015	
Lab Sample ID:		L1524911-03	
Volatile Organics by GC/MS - Westborough Lab (ug/kg)			
1,1,1,2-Tetrachloroethane	600	0.46	U
1,1,1-Trichloroethane	1,400	0.16	U
1,1,2,2-Tetrachloroethane	800	0.14	U
1,1,2-Trichloroethane	200	0.44	U
1,1-Dichloroethane	600	0.12	U
1,1-Dichloroethene	600	0.38	U
1,1-Dichloropropene	200	0.2	U
1,2,3-Trichlorobenzene	17,000	0.21	U
1,2,3-Trichloropropane	100	0.23	U
1,2,4,5-Tetramethylbenzene	18,000	0.19	U
1,2,4-Trichlorobenzene	17,000	0.26	U
1,2,4-Trimethylbenzene	7,200	0.2	U
1,2-Dibromo-3-chloropropane	100	0.57	U
1,2-Dibromoethane	600	0.25	U
1,2-Dichlorobenzene	2,200	0.22	U
1,2-Dichloroethane	100	0.16	U
1,2-Dichloroethene	NS	0.2	U
1,2-Dichloropropane	100	0.33	U
1,3,5-Trimethylbenzene	16,800	0.2	U
1,3-Dichlorobenzene	4,800	0.19	U
1,3-Dichloropropane	600	0.21	U
1,3-Dichloropropene	NS	0.17	U
1,4-Dichlorobenzene	3,600	0.2	U
1,4-Dioxane	NS	21	U
2,2-Dichloropropane	600	0.32	U
2-Butanone (MEK)	400	0.39	U
2-Hexanone	NS	0.96	U
4-Methyl-2-pentanone (MIK)	1,400	0.35	U
Acetone	NS	11	J
Acrylonitrile	NS	0.74	U
Benzene	120	0.17	U
Bromobenzene	2,800	0.3	U
Bromochloromethane	400	0.4	U
Bromodichloromethane	4,600	0.25	U
Bromoform	13,000	0.34	U
Bromomethane	NS	0.48	U
Carbon Disulfide	NS	1.6	U
Carbon tetrachloride	1,600	0.3	U
Chlorobenzene	2,200	0.5	U
Chloroethane	400	0.45	U
Chloroform	800	0.53	U
Chloromethane	NS	0.42	U
cis-1,2-Dichloroethene	500	0.2	U
cis-1,3-Dichloropropene	100	0.17	U
Dibromochloromethane	6,200	0.22	U
Dibromomethane	400	0.23	U
Dichlorodifluoromethane	600	0.27	U
Ethyl ether	NS	0.37	U
Ethylbenzene	2,000	0.18	U
Hexachlorobutadiene	54,000	0.33	U
Isopropylbenzene	9,400	0.15	U
Methyl tert butyl ether	200	0.12	U
Methylene chloride	100	1.6	U
n-Butylbenzene	12,000	0.16	U
n-Propylbenzene	8,000	0.16	U
Naphthalene	24,000	0.2	U
o-Chlorotoluene	5,200	0.23	U
o-Xylene	3,200	0.25	U
p-Chlorotoluene	5,200	0.19	U
p-Diethylbenzene	52,000	0.23	U
p-Ethyltoluene	9,000	0.18	U
p-Isopropyltoluene	22,000	42	
p/m-Xylene	3,200	0.28	U
sec-Butylbenzene	12,000	0.18	U
Styrene	9,200	0.58	U
tert-Butylbenzene	12,000	0.19	U
Tetrachloroethene	2,600	0.2	U
Toluene	3,000	0.28	U
trans-1,2-Dichloroethene	400	0.3	U
trans-1,3-Dichloropropene	100	0.17	U
trans-1,4-Dichloro-2-butene	NS	0.56	U
Trichloroethene	1,000	0.18	U
Trichlorofluoromethane	1,600	0.56	U
Vinyl acetate	NS	0.19	U
Vinyl chloride	100	0.17	U
Xylenes, Total	NS	0.25	U

Notes:

All units are ug/kg (ppb).

[1] Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, August 2010.

NS - No standard established.

J : Result is greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Table 4

Sediment Sample Analytical Results for
Semi-Volatile Organic Compounds
Suffolk County Department of Health Action Levels

Island Hill Golf Club, Sayville, NY

Client Sample ID: Description of Sample Location: Sampling Date: Lab Sample ID:	SCDHS Action Levels [1]	SS005 Central Maint. Bldg Cesspool 10/2/2015 L1524911-03	
Semi-Volatile Organics by GC/MS - Westborough Lab (ug/kg)			
1,2,4,5-Tetrachlorobenzene	NS	72	U
1,2,4-Trichlorobenzene	17,000	77	U
1,2-Dichlorobenzene	2,200	77	U
1,3-Dichlorobenzene	4,800	74	U
1,4-Dichlorobenzene	3,600	71	U
2,4,5-Trichlorophenol	NS	76	U
2,4,6-Trichlorophenol	NS	44	U
2,4-Dichlorophenol	NS	76	U
2,4-Dimethylphenol	NS	70	U
2,4-Dinitrophenol	NS	320	U
2,4-Dinitrotoluene	NS	50	U
2,6-Dinitrotoluene	NS	60	U
2-Chloronaphthalene	NS	76	U
2-Chlorophenol	NS	70	U
2-Methylnaphthalene	NS	75	U
2-Methylphenol	NS	75	U
2-Nitroaniline	NS	66	U
2-Nitrophenol	NS	73	U
3,3'-Dichlorobenzidine	NS	62	U
3-Methylphenol/4-Methylphenol	NS	77	U
3-Nitroaniline	NS	64	U
4,6-Dinitro-o-cresol	NS	86	U
4-Bromophenyl phenyl ether	NS	54	U
4-Chloroaniline	NS	62	U
4-Chlorophenyl phenyl ether	NS	71	U
4-Nitroaniline	NS	63	U
4-Nitrophenol	NS	76	U
Acenaphthene	200,000	48	U
Acenaphthylene	NS	44	U
Acetophenone	NS	72	U
Anthracene	200,000	56	J
Benzo(a)anthracene	2,000	440	
Benzo(a)pyrene	44,000	350	
Benzo(b)fluoranthene	3,400	500	
Benzo(ghi)perylene	200,000	150	J
Benzo(k)fluoranthene	3,400	180	
Benzoic Acid	NS	240	U
Benzyl Alcohol	NS	72	U
Biphenyl	NS	77	U
Bis(2-chloroethoxy)methane	NS	71	U
Bis(2-chloroethyl)ether	NS	66	U
Bis(2-chloroisopropyl)ether	NS	82	U
Bis(2-Ethylhexyl)phthalate	NS	270	
Butyl benzyl phthalate	NS	46	U
Carbazole	NS	50	U
Chrysene	2,000	470	
Di-n-butylphthalate	NS	45	U
Di-n-octylphthalate	NS	58	U
Dibenzo(a,h)anthracene	200,000	48	J
Dibenzofuran	NS	78	U
Diethyl phthalate	NS	49	U
Dimethyl phthalate	NS	59	U
Fluoranthene	200,000	650	
Fluorene	200,000	67	U
Hexachlorobenzene	NS	44	U
Hexachlorobutadiene	54,000	66	U
Hexachlorocyclopentadiene	NS	150	U
Hexachloroethane	22,000	42	U
Indeno(1,2,3-cd)pyrene	16,000	170	J
Isophorone	NS	62	U
n-Nitrosodi-n-propylamine	NS	70	U
Naphthalene	24,000	78	U
Nitrobenzene	100	56	U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	49	U
P-Chloro-M-Cresol	NS	68	U
Pentachlorophenol	NS	50	U
Phenanthrene	200,000	170	
Phenol	NS	69	U
Pyrene	200,000	560	

Notes:
units are in µg/kg (ppb).

[1] Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, August 2010.
NS - No standard established.

J : Result is greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Table 5

Sediment Sample Analytical Results for
Metals
Suffolk County Department of Health Action Levels

Island Hill Golf Club, Sayville, NY

Client Sample ID:	SCDHS Action Levels [1]	SS005	
Description of Sample Location:		Central Maint. Bldg Cesspool	
Sampling Date:		10/2/2015	
Lab Sample ID:		L1524911-03	
Total Metals - Westborough Lab (mg/kg)			
Aluminum, Total	NS	250	
Antimony, Total	NS	0.9	U
Arsenic, Total	30	0.46	U
Barium, Total	4,000	12	
Beryllium, Total	240	0.11	U
Cadmium, Total	40	0.08	U
Calcium, Total	NS	330	
Chromium, Total	100	1.7	
Cobalt, Total	NS	0.56	U
Copper, Total	8,500	81	
Iron, Total	NS	820	
Lead, Total	2,000	30	
Magnesium, Total	NS	110	
Manganese, Total	NS	3.7	
Mercury, Total	3.7	0.72	
Nickel, Total	650	0.62	J
Potassium, Total	NS	68	J
Selenium, Total	NS	0.34	U
Silver, Total	50	0.22	U
Sodium, Total	NS	34	U
Thallium, Total	NS	0.45	U
Vanadium, Total	NS	1.1	
Zinc, Total	NS	6	

Notes:

units are in mg/kg (ppm).

[1] Action Levels & Cleanup Objectives, SCDHS Article

NS - No standard established.

J : Result is greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Table 6

Sediment Sample Analytical Results for
Volatile Organic Compounds
Suffolk County Department of Health Cleanup Objectives

Island Hill Golf Club, Sayville, NY

Client Sample ID:	SCDHS Cleanup Objectives [1]	SD-3	SD-4	SS-6	PIT01	SS001_EP001	UIC001_EP002	UIC002_EP003	UIC003_EP004
Description of Sample Location:		South Maint. Bldg Storm Drain	South Maint. Bldg Storm Drain	South Maint. Bldg Cesspool	South Maint. Bldg Maintenance Pit	Clubhouse NW Cesspool	Clubhouse NE Cesspool	Clubhouse NE Cesspool	Clubhouse NE Cesspool
Sampling Date:		10/6/2015	10/6/2015	10/7/2015	10/7/2015	10/13/2015	10/14/2015	10/14/2015	10/14/2015
Lab Sample ID:		L1525184-03	L1525184-02	L1525337-07	L1525337-05	L1525899-01	L1526189-01	L1526189-02	L1526189-03
Volatile Organics by GC/MS - Westborough Lab (ug/kg)									
1,1,1,2-Tetrachloroethane	300	0.37 U	0.35 U	0.36 U	0.35 U	0.34 U	0.34 U	0.34 U	0.35 U
1,1,1-Trichloroethane	700	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
1,1,2,2-Tetrachloroethane	400	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,1,2-Trichloroethane	100	0.35 U	0.34 U	0.34 U	0.34 U	0.32 U	0.33 U	0.33 U	0.33 U
1,1-Dichloroethane	300	0.1 U	0.1 U	0.1 U	0.1 U	0.09 U	0.09 U	0.09 U	0.09 U
1,1-Dichloroethene	300	0.3 U	0.29 U	0.29 U	0.29 U	0.28 U	0.28 U	0.28 U	0.29 U
1,1-Dichloropropene	100	0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.15 U	0.15 U	0.15 U
1,2,3-Trichlorobenzene	8,300	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2,3-Trichloropropane	50	0.19 U	0.18 U	0.18 U	0.18 U	0.17 U	0.17 U	0.18 U	0.18 U
1,2,4,5-Tetramethylbenzene	8,800	0.15 U	0.14 U	3.0 J	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	8,300	0.21 U	0.2 U	0.2 U	0.2 U	0.19 U	1.8 J	0.2 U	0.2 U
1,2,4-Trimethylbenzene	3,600	0.16 U	0.16 U	12	0.16 U	0.15 U	0.15 U	0.15 U	0.15 U
1,2-Dibromo-3-chloropropane	50	0.46 U	0.44 U	0.44 U	0.44 U	0.42 U	0.42 U	0.43 U	0.43 U
1,2-Dibromoethane	300	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U
1,2-Dichlorobenzene	1,100	0.18 U	0.17 U	18	0.17 U	0.16 U	62	0.16 U	0.17 U
1,2-Dichloroethane	50	0.13 U	0.12 U	0.13 U	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U
1,2-Dichloropropane	50	0.26 U	0.25 U	0.26 U	0.25 U	0.24 U	0.24 U	0.25 U	0.25 U
1,3,5-Trimethylbenzene	8,400	0.17 U	0.16 U	5.9	0.16 U	0.15 U	0.15 U	0.15 U	0.16 U
1,3-Dichlorobenzene	2,400	0.16 U	0.15 U	0.15 U	0.15 U	0.14 U	0.14 U	0.14 U	0.15 U
1,3-Dichloropropane	300	0.17 U	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U
1,4-Dichlorobenzene	1,800	0.16 U	0.15 U	0.15 U	0.15 U	0.15 U	1.4 J	0.15 U	0.15 U
2,2-Dichloropropane	300	0.26 U	0.25 U	0.25 U	0.25 U	0.24 U	0.24 U	0.24 U	0.25 U
2-Butanone	200	0.32 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.3 U
4-Methyl-2-pentanone	700	0.28 U	0.27 U	0.27 U	0.27 U	0.26 U	0.26 U	0.26 U	0.27 U
Acetone	NS	1.2 U	1.1 U	3.4 J	1.2 U	3.3 J	1.4 J	1.1 U	1.1 U
Benzene	60	0.14 U	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U	0.13 U	0.13 U
Bromobenzene	1,400	0.24 U	0.23 U	0.23 U	0.23 U	0.22 U	0.22 U	0.22 U	0.23 U
Bromochloromethane	200	0.32 U	0.3 U	0.31 U	0.31 U	0.29 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	2,300	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U
Bromoform	6,300	0.27 U	0.26 U	0.26 U	0.26 U	0.25 U	0.25 U	0.25 U	0.26 U
Carbon tetrachloride	800	0.24 U	0.23 U	0.23 U	0.23 U	0.22 U	0.22 U	0.23 U	0.23 U
Chlorobenzene	1,100	0.4 U	0.38 U	5.8	0.39 U	0.37 U	2.9	0.38 U	0.38 U
Chloroethane	200	0.37 U	0.35 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U	0.34 U
Chloroform	400	0.43 U	0.41 U	0.41 U	0.41 U	0.39 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	250	0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.15 U	0.15 U	0.16 U
cis-1,3-Dichloropropene	50	0.14 U	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	3,100	0.18 U	0.17 U	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.17 U
Dibromomethane	200	0.19 U	0.18 U	0.18 U	0.18 U	0.17 U	0.18 U	0.18 U	0.18 U
Dichlorodifluoromethane	300	0.22 U	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U
Ethylbenzene	1,000	0.15 U	0.14 U	0.82 J	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U
Freon-113	6,000	0.32 U	0.3 U	NA	NA	0.29 U	0.29 U	0.3 U	0.3 U
Hexachlorobutadiene	27,000	0.26 U	0.25 U	0.26 U	0.25 U	0.24 U	0.24 U	0.25 U	0.25 U
Isopropylbenzene	4,700	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U
Methyl tert butyl ether	100	0.1 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Methylene chloride	50	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
n-Butylbenzene	5,900	0.13 U	0.13 U	2.2	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U
n-Propylbenzene	4,000	0.13 U	0.12 U	1.9	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Naphthalene	12,000	0.16 U	0.15 U	1.2 J	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
o-Chlorotoluene	2,600	0.18 U	0.18 U	0.18 U	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U
o-Xylene	NS	0.2 U	0.19 U	1.7 J	0.18 U	0.18 U	0.18 U	0.18 U	0.19 U
p-Chlorotoluene	2,600	0.15 U	0.15 U	0.15 U	0.18 U	0.14 U	0.14 U	0.14 U	0.14 U
p-Diethylbenzene	26,000	0.18 U	0.18 U	13	0.18 U	0.17 U	0.17 U	0.17 U	0.17 U
p-Ethyltoluene	4,500	0.14 U	0.14 U	9.2	0.18 U	0.13 U	0.13 U	0.13 U	0.14 U
p-Isopropyltoluene	11,000	0.14 U	0.14 U	4.0	0.18 U	0.13 U	0.13 U	0.13 U	0.14 U
p/m-Xylene	NS	0.23 U	0.22 U	3.3	0.18 U	0.21 U	0.21 U	0.21 U	0.22 U
sec-Butylbenzene	5,900	0.14 U	0.13 U	1.2	0.18 U	0.13 U	0.13 U	0.13 U	0.13 U
Styrene	4,600	0.46 U	0.44 U	0.45 U	0.18 U	0.42 U	0.43 U	0.43 U	0.44 U
tert-Butylbenzene	5,900	0.16 U	0.15 U	0.15 U	0.18 U	0.14 U	0.14 U	0.15 U	0.15 U
Tetrachloroethene	1,300	0.16 U	0.16 U	0.16 U	0.18 U	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	1,500	0.22 U	0.22 U	0.22 U	0.18 U	0.21 U	0.21 U	0.21 U	0.21 U
trans-1,2-Dichloroethene	200	0.24 U	0.23 U	0.24 U	0.18 U	0.22 U	0.23 U	0.23 U	0.23 U
trans-1,3-Dichloropropene	50	0.14 U	0.13 U	0.14 U	0.18 U	0.13 U	0.13 U	0.13 U	0.13 U
Trichloroethene	500	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.13 U	0.14 U
Trichlorofluoromethane	800	0.45 U	0.43 U	0.43 U	0.43 U	0.41 U	0.42 U	0.42 U	0.42 U
Vinyl chloride	50	0.14 U	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U	0.13 U	0.13 U

Notes:
All units are ug/kg (ppb).
[1] Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, August 2010.
NS - No Standard.
J : Result is greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Table 7

Sediment Sample Analytical Results for
Semi-Volatile Organic Compounds
Suffolk County Department of Health Cleanup Objectives

Island Hill Golf Club, Sayville, NY

Client Sample ID:	SCDHS Cleanup Objectives [1]	SD-3	SD-4	SS-6	PIT01	SS001_EP001	UIC001_EP002	UIC002_EP003	UIC003_EP004
Description of Sample Location:		South Maint. Bldg Storm Drain	South Maint. Bldg Storm Drain	South Maint. Bldg Cesspool	South Maint. Bldg Maintenance Pit	Clubhouse NW Cesspool	Clubhouse NE Cesspool	Clubhouse NE Cesspool	Clubhouse NE Cesspool
Sampling Date:		10/6/2015	10/6/2015	10/7/2015	10/7/2015	10/13/2015	10/14/2015	10/14/2015	10/14/2015
Lab Sample ID:		L1525184-03	L1525184-02	L1525337-07	L1525337-05	L1525899-01	L1526189-01	L1526189-02	L1526189-03
Semi-Volatile Organics by GC/MS - Westborough Lab (ug/kg)									
Acenaphthene	98,000	39 U	37 U	37 U	37 U	36 U	37 U	36 U	37 U
Anthracene	100,000	32 U	30 U	30 U	30 U	29 U	30 U	29 U	30 U
Benzo(a)anthracene	1,000	41 J	35 U	36 U	35 U	34 U	35 U	35 U	35 U
Benzo(a)pyrene	22,000	53 J	44 U	44 U	44 U	42 U	44 U	43 U	44 U
Benzo(b)fluoranthene	1,700	75 J	36 U	37 U	36 U	35 U	36 U	36 U	36 U
Benzo(ghi)perylene	100,000	40 J	38 U	38 U	38 U	36 U	37 U	37 U	37 U
Benzo(k)fluoranthene	1,700	36 U	34 U	35 U	34 U	33 U	34 U	34 U	34 U
Chrysene	1,000	56 J	35 U	36 U	35 U	34 U	35 U	35 U	35 U
Dibenzo(a,h)anthracene	100,000	37 U	35 U	35 U	35 U	34 U	34 U	34 U	35 U
Fluoranthene	100,000	89 J	33 U	33 U	33 U	32 U	33 U	32 U	33 U
Fluorene	100,000	55 U	52 U	52 U	52 U	50 U	51 U	51 U	51 U
Indeno(1,2,3-cd)pyrene	8,000	42 J	40 U	40 U	40 U	38 U	39 U	39 U	40 U
Phenanthrene	100,000	37 U	35 U	36 U	35 U	34 U	35 U	35 U	35 U
Pyrene	100,000	80 J	35 U	35 U	35 U	34 U	34 U	34 U	35 U

Notes:
All units are ug/kg (ppb).
[1] Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, August 2010.
J : Result is greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Table 8

Sediment Sample Analytical Results for
Metals
Suffolk County Department of Health Cleanup Objectives

Island Hill Golf Club, Sayville, NY

Client Sample ID:	SCDHS Cleanup Objectives [1]	SD-3		SD-4		SS-6		PIT01		SS001_EP001		UIC001_EP002		UIC002_EP003		UIC003_EP004	
Description of Sample Location:		South Maint. Bldg Storm Drain		South Maint. Bldg Storm Drain		South Maint. Bldg Cesspool		South Maint. Bldg Maintenance Pit		Clubhouse NW Cesspool		Clubhouse NE Cesspool		Clubhouse NE Cesspool		Clubhouse NE Cesspool	
Sampling Date:		10/6/2015		10/6/2015		10/7/2015		10/7/2015		10/13/2015		10/14/2015		10/14/2015		10/14/2015	
Lab Sample ID:		L1525184-03		L1525184-02		L1525337-07		L1525337-05		L1525899-01		L1526189-01		L1526189-02		L1526189-03	
Total Metals - Westborough Lab (mg/kg)																	
Arsenic, Total	6.0	0.47		1.3		0.09	U	1.5		0.08	U	0.36	J	0.12	J	0.13	J
Barium, Total	820	3.7		3.8		4.0		4.3		1.9		2.1		1.4		2.7	
Beryllium, Total	47	0.05	U	0.04	U	0.04	U	0.05	J	0.04	U	0.04	U	0.04	U	0.04	U
Cadmium, Total	7.5	0.03	U	0.03	U	0.03	U	0.15	J	0.03	U	0.03	U	0.03	U	0.03	U
Chromium, Total	20	1.4		2.3		1.9		3.3		2.1		1.8		1.3		1.6	
Copper, Total	1,700	2.3		1.4		1.2		7.4		2.4		1.9		1.0		1.4	
Lead, Total	450	1.0	J	0.09	U	0.93	J	9.4		14		3.3		2.2		1.7	J
Mercury, Total	0.70	0.03	J	0.08		0.3		0.38		0.04	J	0.09		0.05	J	0.05	J
Nickel, Total	130	0.77	J	0.45	J	0.46	J	1.3		0.58	J	0.53	J	0.4	J	0.61	J
Selenium, Total	NS	0.13	U	0.13	U	0.13	U	0.13	U	0.12	U	0.12	U	0.12	U	0.13	U
Silver, Total	10	0.09	U	0.09	U	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.09	U

Notes:

All units are in mg/kg (ppm).

[1] Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, August 2010.

NS - No Standard.

J : Result is greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

APPENDIX A
Site Photos

Photo 1 – View of the Pro Shop UST prior to removal

Photo 2 – View of the excavation following removal of the UST

Photo 3 – Interior of the Maintenance pit following sediment removal

Photo 4 – Base of maintenance pit after patching of hole.

Photo 5 – Remediation of SS-3 overflow pools

Photo 6- SS-3 overflow pool following remediation

APPENDIX B
Laboratory Data Sheets

ANALYTICAL REPORT

Lab Number:	L1524911
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Bryan Devaux
Phone:	(631) 589-6353
Project Name:	RSL1501
Project Number:	RSL1501
Report Date:	10/06/15

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1524911-01	SS001	SOIL	ISLAND HILLS GOLF COURSE	10/02/15 08:50	10/02/15
L1524911-02	SS003	SOIL	ISLAND HILLS GOLF COURSE	10/02/15 09:20	10/02/15
L1524911-03	SS005	SOIL	ISLAND HILLS GOLF COURSE	10/02/15 10:30	10/02/15
L1524911-04	SS006	SOIL	ISLAND HILLS GOLF COURSE	10/02/15 11:20	10/02/15
L1524911-05	SD-4	SOIL	ISLAND HILLS GOLF COURSE	10/02/15 12:20	10/02/15

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	RSL1501	**Lab Number:**	L1524911
Project Number:	RSL1501	**Report Date:**	10/06/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1524911-05: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Total Metals

L1524911-03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG827521-4 MS recoveries, performed on L1524911-03, are outside the acceptance criteria for aluminum (154%), copper (243%), and lead (138%). A post digestion spike was performed and yielded an unacceptable recovery for copper (243%); aluminum and lead were within acceptance criteria. This has been attributed to sample matrix.

The WG827521-4 MS recovery for iron (246%) performed on L1524911-03, does not apply because the sample concentration is greater than four times the spike amount added.

The WG827549-4 MS recovery, performed on L1524911-03, is outside the acceptance criteria for mercury (0%). A post digestion spike was performed and was within acceptance criteria.

The WG827521-3 Laboratory Duplicate RPDs, performed on L1524911-03, are outside the acceptance criteria for barium (22%), calcium (67%), chromium (26%), copper (66%), iron (38%), lead (76%), magnesium (31%), manganese (34%), and zinc (59%). The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG827549-3 Laboratory Duplicate RPD, performed on L1524911-03, is outside the acceptance criteria for mercury (36%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 10/06/15

ORGANICS

VOLATILES

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-01
Client ID: SS001
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/05/15 08:57
Analyst: BN
Percent Solids: 49%

Date Collected: 10/02/15 08:50
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	20	2.3	1
1,1-Dichloroethane	ND		ug/kg	3.1	0.18	1
Chloroform	ND		ug/kg	3.1	0.76	1
Carbon tetrachloride	ND		ug/kg	2.0	0.43	1
1,2-Dichloropropane	ND		ug/kg	7.2	0.47	1
Dibromochloromethane	ND		ug/kg	2.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	3.1	0.62	1
Tetrachloroethene	ND		ug/kg	2.0	0.29	1
Chlorobenzene	ND		ug/kg	2.0	0.71	1
Trichlorofluoromethane	ND		ug/kg	10	0.80	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	2.0	0.23	1
Bromodichloromethane	ND		ug/kg	2.0	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	2.0	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	2.0	0.24	1
1,1-Dichloropropene	ND		ug/kg	10	0.29	1
Bromoform	ND		ug/kg	8.2	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	0.21	1
Benzene	ND		ug/kg	2.0	0.24	1
Toluene	ND		ug/kg	3.1	0.40	1
Ethylbenzene	ND		ug/kg	2.0	0.26	1
Chloromethane	ND		ug/kg	10	0.60	1
Bromomethane	ND		ug/kg	4.1	0.69	1
Vinyl chloride	ND		ug/kg	4.1	0.24	1
Chloroethane	ND		ug/kg	4.1	0.65	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.54	1
trans-1,2-Dichloroethene	ND		ug/kg	3.1	0.43	1
Trichloroethene	ND		ug/kg	2.0	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	10	0.31	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-01 Date Collected: 10/02/15 08:50

Client ID: SS001 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	10	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	10	0.28	1
Methyl tert butyl ether	ND		ug/kg	4.1	0.17	1
p/m-Xylene	ND		ug/kg	4.1	0.40	1
o-Xylene	ND		ug/kg	4.1	0.35	1
Xylenes, Total	ND		ug/kg	4.1	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	2.0	0.29	1
Dibromomethane	ND		ug/kg	20	0.34	1
Styrene	ND		ug/kg	4.1	0.82	1
Dichlorodifluoromethane	ND		ug/kg	20	0.39	1
Acetone	13	J	ug/kg	20	2.1	1
Carbon disulfide	ND		ug/kg	20	2.2	1
2-Butanone	ND		ug/kg	20	0.56	1
Vinyl acetate	ND		ug/kg	20	0.27	1
4-Methyl-2-pentanone	ND		ug/kg	20	0.50	1
1,2,3-Trichloropropane	ND		ug/kg	20	0.33	1
2-Hexanone	ND		ug/kg	20	1.4	1
Bromochloromethane	ND		ug/kg	10	0.56	1
2,2-Dichloropropane	ND		ug/kg	10	0.46	1
1,2-Dibromoethane	ND		ug/kg	8.2	0.36	1
1,3-Dichloropropane	ND		ug/kg	10	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.0	0.65	1
Bromobenzene	ND		ug/kg	10	0.43	1
n-Butylbenzene	ND		ug/kg	2.0	0.24	1
sec-Butylbenzene	ND		ug/kg	2.0	0.25	1
tert-Butylbenzene	ND		ug/kg	10	0.28	1
o-Chlorotoluene	ND		ug/kg	10	0.33	1
p-Chlorotoluene	ND		ug/kg	10	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	10	0.81	1
Hexachlorobutadiene	ND		ug/kg	10	0.47	1
Isopropylbenzene	ND		ug/kg	2.0	0.21	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.26	1
Naphthalene	ND		ug/kg	10	0.28	1
Acrylonitrile	ND		ug/kg	20	1.0	1
n-Propylbenzene	ND		ug/kg	2.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	10	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	10	0.37	1
1,3,5-Trimethylbenzene	1.9	J	ug/kg	10	0.29	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-01 Date Collected: 10/02/15 08:50

Client ID: SS001 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	4.4	J	ug/kg	10	0.29	1
1,4-Dioxane	ND		ug/kg	200	30.	1
p-Diethylbenzene	4.9	J	ug/kg	8.2	0.33	1
p-Ethyltoluene	1.0	J	ug/kg	8.2	0.25	1
1,2,4,5-Tetramethylbenzene	1.3	J	ug/kg	8.2	0.27	1
Ethyl ether	ND		ug/kg	10	0.53	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	0.80	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	111		70-130

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-02 D
Client ID: SS003
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/05/15 10:42
Analyst: BN
Percent Solids: 18%

Date Collected: 10/02/15 09:20
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	520000	57000	10000
1,1-Dichloroethane	ND		ug/kg	78000	4400	10000
Chloroform	ND		ug/kg	78000	19000	10000
Carbon tetrachloride	ND		ug/kg	52000	11000	10000
1,2-Dichloropropane	ND		ug/kg	180000	12000	10000
Dibromochloromethane	ND		ug/kg	52000	7900	10000
1,1,2-Trichloroethane	ND		ug/kg	78000	16000	10000
Tetrachloroethene	ND		ug/kg	52000	7200	10000
Chlorobenzene	3500000		ug/kg	52000	18000	10000
Trichlorofluoromethane	ND		ug/kg	260000	20000	10000
1,2-Dichloroethane	ND		ug/kg	52000	5900	10000
1,1,1-Trichloroethane	ND		ug/kg	52000	5700	10000
Bromodichloromethane	ND		ug/kg	52000	9000	10000
trans-1,3-Dichloropropene	ND		ug/kg	52000	6200	10000
cis-1,3-Dichloropropene	ND		ug/kg	52000	6100	10000
1,3-Dichloropropene, Total	ND		ug/kg	52000	6100	10000
1,1-Dichloropropene	ND		ug/kg	260000	7300	10000
Bromoform	ND		ug/kg	210000	12000	10000
1,1,2,2-Tetrachloroethane	ND		ug/kg	52000	5200	10000
Benzene	ND		ug/kg	52000	6100	10000
Toluene	ND		ug/kg	78000	10000	10000
Ethylbenzene	ND		ug/kg	52000	6600	10000
Chloromethane	ND		ug/kg	260000	15000	10000
Bromomethane	ND		ug/kg	100000	17000	10000
Vinyl chloride	ND		ug/kg	100000	6100	10000
Chloroethane	ND		ug/kg	100000	16000	10000
1,1-Dichloroethene	ND		ug/kg	52000	14000	10000
trans-1,2-Dichloroethene	ND		ug/kg	78000	11000	10000
Trichloroethene	ND		ug/kg	52000	6500	10000
1,2-Dichlorobenzene	1600000		ug/kg	260000	7900	10000

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-02 D Date Collected: 10/02/15 09:20

Client ID: SS003 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	260000	7000	10000
1,4-Dichlorobenzene	170000	J	ug/kg	260000	7200	10000
Methyl tert butyl ether	ND		ug/kg	100000	4400	10000
p/m-Xylene	82000	J	ug/kg	100000	10000	10000
o-Xylene	ND		ug/kg	100000	8900	10000
Xylenes, Total	82000	J	ug/kg	100000	8900	10000
cis-1,2-Dichloroethene	ND		ug/kg	52000	7400	10000
1,2-Dichloroethene, Total	ND		ug/kg	52000	7400	10000
Dibromomethane	ND		ug/kg	520000	8500	10000
Styrene	ND		ug/kg	100000	21000	10000
Dichlorodifluoromethane	ND		ug/kg	520000	9900	10000
Acetone	ND		ug/kg	520000	54000	10000
Carbon disulfide	ND		ug/kg	520000	57000	10000
2-Butanone	ND		ug/kg	520000	14000	10000
Vinyl acetate	ND		ug/kg	520000	6800	10000
4-Methyl-2-pentanone	ND		ug/kg	520000	13000	10000
1,2,3-Trichloropropane	ND		ug/kg	520000	8400	10000
2-Hexanone	ND		ug/kg	520000	34000	10000
Bromochloromethane	ND		ug/kg	260000	14000	10000
2,2-Dichloropropane	ND		ug/kg	260000	12000	10000
1,2-Dibromoethane	ND		ug/kg	210000	9000	10000
1,3-Dichloropropane	ND		ug/kg	260000	7500	10000
1,1,1,2-Tetrachloroethane	ND		ug/kg	52000	16000	10000
Bromobenzene	ND		ug/kg	260000	11000	10000
n-Butylbenzene	ND		ug/kg	52000	5900	10000
sec-Butylbenzene	ND		ug/kg	52000	6300	10000
tert-Butylbenzene	ND		ug/kg	260000	7000	10000
o-Chlorotoluene	ND		ug/kg	260000	8300	10000
p-Chlorotoluene	ND		ug/kg	260000	6900	10000
1,2-Dibromo-3-chloropropane	ND		ug/kg	260000	20000	10000
Hexachlorobutadiene	ND		ug/kg	260000	12000	10000
Isopropylbenzene	ND		ug/kg	52000	5400	10000
p-Isopropyltoluene	ND		ug/kg	52000	6500	10000
Naphthalene	ND		ug/kg	260000	7200	10000
Acrylonitrile	ND		ug/kg	520000	26000	10000
n-Propylbenzene	ND		ug/kg	52000	5600	10000
1,2,3-Trichlorobenzene	ND		ug/kg	260000	7600	10000
1,2,4-Trichlorobenzene	ND		ug/kg	260000	9400	10000
1,3,5-Trimethylbenzene	ND		ug/kg	260000	7400	10000

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-02 D
Client ID: SS003
Sample Location: ISLAND HILLS GOLF COURSE

Date Collected: 10/02/15 09:20
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	260000	7300	10000
1,4-Dioxane	ND		ug/kg	5200000	740000	10000
p-Diethylbenzene	ND		ug/kg	210000	8300	10000
p-Ethyltoluene	ND		ug/kg	210000	6400	10000
1,2,4,5-Tetramethylbenzene	ND		ug/kg	210000	6700	10000
Ethyl ether	ND		ug/kg	260000	13000	10000
trans-1,4-Dichloro-2-butene	ND		ug/kg	260000	20000	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03
Client ID: SS005
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/05/15 09:23
Analyst: BN
Percent Solids: 70%

Date Collected: 10/02/15 10:30
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.6	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.12	1
Chloroform	ND		ug/kg	2.2	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.33	1
Dibromochloromethane	ND		ug/kg	1.4	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.44	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
Trichlorofluoromethane	ND		ug/kg	7.2	0.56	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.17	1
1,1-Dichloropropene	ND		ug/kg	7.2	0.20	1
Bromoform	ND		ug/kg	5.7	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.2	0.28	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Chloromethane	ND		ug/kg	7.2	0.42	1
Bromomethane	ND		ug/kg	2.9	0.48	1
Vinyl chloride	ND		ug/kg	2.9	0.17	1
Chloroethane	ND		ug/kg	2.9	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	7.2	0.22	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03 Date Collected: 10/02/15 10:30

Client ID: SS005 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	7.2	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.12	1
p/m-Xylene	ND		ug/kg	2.9	0.28	1
o-Xylene	ND		ug/kg	2.9	0.25	1
Xylenes, Total	ND		ug/kg	2.9	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.9	0.58	1
Dichlorodifluoromethane	ND		ug/kg	14	0.27	1
Acetone	11	J	ug/kg	14	1.5	1
Carbon disulfide	ND		ug/kg	14	1.6	1
2-Butanone	ND		ug/kg	14	0.39	1
Vinyl acetate	ND		ug/kg	14	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.23	1
2-Hexanone	ND		ug/kg	14	0.96	1
Bromochloromethane	ND		ug/kg	7.2	0.40	1
2,2-Dichloropropane	ND		ug/kg	7.2	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.2	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.46	1
Bromobenzene	ND		ug/kg	7.2	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.18	1
tert-Butylbenzene	ND		ug/kg	7.2	0.19	1
o-Chlorotoluene	ND		ug/kg	7.2	0.23	1
p-Chlorotoluene	ND		ug/kg	7.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.2	0.57	1
Hexachlorobutadiene	ND		ug/kg	7.2	0.33	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	42		ug/kg	1.4	0.18	1
Naphthalene	ND		ug/kg	7.2	0.20	1
Acrylonitrile	ND		ug/kg	14	0.74	1
n-Propylbenzene	ND		ug/kg	1.4	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.2	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.2	0.20	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03 Date Collected: 10/02/15 10:30

Client ID: SS005 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	7.2	0.20	1
1,4-Dioxane	ND		ug/kg	140	21.	1
p-Diethylbenzene	ND		ug/kg	5.7	0.23	1
p-Ethyltoluene	ND		ug/kg	5.7	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	0.19	1
Ethyl ether	ND		ug/kg	7.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	109		70-130

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-04
Client ID: SS006
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/05/15 09:49
Analyst: BN
Percent Solids: 93%

Date Collected: 10/02/15 11:20
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.2	0.36	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-04 Date Collected: 10/02/15 11:20

Client ID: SS006 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.18	1
Xylenes, Total	ND		ug/kg	2.2	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	ND		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-04 Date Collected: 10/02/15 11:20

Client ID: SS006 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	108		70-130

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-05 D
Client ID: SD-4
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/05/15 12:01
Analyst: BN
Percent Solids: 67%

Date Collected: 10/02/15 12:20
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	740	81.	50
1,1-Dichloroethane	ND		ug/kg	110	6.3	50
Chloroform	ND		ug/kg	110	27.	50
Carbon tetrachloride	ND		ug/kg	74	15.	50
1,2-Dichloropropane	ND		ug/kg	260	17.	50
Dibromochloromethane	ND		ug/kg	74	11.	50
1,1,2-Trichloroethane	ND		ug/kg	110	22.	50
Tetrachloroethene	ND		ug/kg	74	10.	50
Chlorobenzene	350		ug/kg	74	26.	50
Trichlorofluoromethane	ND		ug/kg	370	28.	50
1,2-Dichloroethane	ND		ug/kg	74	8.3	50
1,1,1-Trichloroethane	ND		ug/kg	74	8.2	50
Bromodichloromethane	ND		ug/kg	74	13.	50
trans-1,3-Dichloropropene	ND		ug/kg	74	8.9	50
cis-1,3-Dichloropropene	ND		ug/kg	74	8.6	50
1,3-Dichloropropene, Total	ND		ug/kg	74	8.6	50
1,1-Dichloropropene	ND		ug/kg	370	10.	50
Bromoform	ND		ug/kg	290	17.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	74	7.4	50
Benzene	ND		ug/kg	74	8.7	50
Toluene	110		ug/kg	110	14.	50
Ethylbenzene	70	J	ug/kg	74	9.4	50
Chloromethane	ND		ug/kg	370	22.	50
Bromomethane	ND		ug/kg	150	25.	50
Vinyl chloride	ND		ug/kg	150	8.6	50
Chloroethane	ND		ug/kg	150	23.	50
1,1-Dichloroethene	ND		ug/kg	74	19.	50
trans-1,2-Dichloroethene	ND		ug/kg	110	16.	50
Trichloroethene	ND		ug/kg	74	9.2	50
1,2-Dichlorobenzene	ND		ug/kg	370	11.	50

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-05 D Date Collected: 10/02/15 12:20

Client ID: SD-4 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	370	9.9	50
1,4-Dichlorobenzene	2300		ug/kg	370	10.	50
Methyl tert butyl ether	ND		ug/kg	150	6.2	50
p/m-Xylene	320		ug/kg	150	14.	50
o-Xylene	120	J	ug/kg	150	13.	50
Xylenes, Total	440	J	ug/kg	150	13.	50
cis-1,2-Dichloroethene	ND		ug/kg	74	10.	50
1,2-Dichloroethene, Total	ND		ug/kg	74	10.	50
Dibromomethane	ND		ug/kg	740	12.	50
Styrene	ND		ug/kg	150	30.	50
Dichlorodifluoromethane	ND		ug/kg	740	14.	50
Acetone	400	J	ug/kg	740	76.	50
Carbon disulfide	ND		ug/kg	740	81.	50
2-Butanone	ND		ug/kg	740	20.	50
Vinyl acetate	ND		ug/kg	740	9.7	50
4-Methyl-2-pentanone	ND		ug/kg	740	18.	50
1,2,3-Trichloropropane	ND		ug/kg	740	12.	50
2-Hexanone	ND		ug/kg	740	49.	50
Bromochloromethane	ND		ug/kg	370	20.	50
2,2-Dichloropropane	ND		ug/kg	370	17.	50
1,2-Dibromoethane	ND		ug/kg	290	13.	50
1,3-Dichloropropane	ND		ug/kg	370	11.	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	74	23.	50
Bromobenzene	ND		ug/kg	370	15.	50
n-Butylbenzene	460		ug/kg	74	8.4	50
sec-Butylbenzene	190		ug/kg	74	9.0	50
tert-Butylbenzene	ND		ug/kg	370	10.	50
o-Chlorotoluene	ND		ug/kg	370	12.	50
p-Chlorotoluene	ND		ug/kg	370	9.8	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	370	29.	50
Hexachlorobutadiene	ND		ug/kg	370	17.	50
Isopropylbenzene	51	J	ug/kg	74	7.6	50
p-Isopropyltoluene	560		ug/kg	74	9.2	50
Naphthalene	310	J	ug/kg	370	10.	50
Acrylonitrile	ND		ug/kg	740	38.	50
n-Propylbenzene	ND		ug/kg	74	8.0	50
1,2,3-Trichlorobenzene	ND		ug/kg	370	11.	50
1,2,4-Trichlorobenzene	ND		ug/kg	370	13.	50
1,3,5-Trimethylbenzene	560		ug/kg	370	10.	50

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-05 D
Client ID: SD-4
Sample Location: ISLAND HILLS GOLF COURSE

Date Collected: 10/02/15 12:20
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1500		ug/kg	370	10.	50
1,4-Dioxane	ND		ug/kg	7400	1100	50
p-Diethylbenzene	ND		ug/kg	290	12.	50
p-Ethyltoluene	770		ug/kg	290	9.1	50
1,2,4,5-Tetramethylbenzene	540		ug/kg	290	9.6	50
Ethyl ether	ND		ug/kg	370	19.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	370	29.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	100		70-130

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/15 08:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG827910-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/15 08:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG827910-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/15 08:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG827910-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827910-1 WG827910-2								
Methylene chloride	93		89		70-130	4		30
1,1-Dichloroethane	108		102		70-130	6		30
Chloroform	103		98		70-130	5		30
Carbon tetrachloride	115		109		70-130	5		30
1,2-Dichloropropane	103		98		70-130	5		30
Dibromochloromethane	104		98		70-130	6		30
2-Chloroethylvinyl ether	97		96		70-130	1		30
1,1,2-Trichloroethane	93		88		70-130	6		30
Tetrachloroethene	94		85		70-130	10		30
Chlorobenzene	95		89		70-130	7		30
Trichlorofluoromethane	114		109		70-139	4		30
1,2-Dichloroethane	117		115		70-130	2		30
1,1,1-Trichloroethane	110		104		70-130	6		30
Bromodichloromethane	102		102		70-130	0		30
trans-1,3-Dichloropropene	97		90		70-130	7		30
cis-1,3-Dichloropropene	95		91		70-130	4		30
1,1-Dichloropropene	99		93		70-130	6		30
Bromoform	88		82		70-130	7		30
1,1,2,2-Tetrachloroethane	92		88		70-130	4		30
Benzene	94		86		70-130	9		30
Toluene	93		86		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827910-1 WG827910-2								
Ethylbenzene	93		87		70-130	7		30
Chloromethane	**146**	Q	**137**	Q	52-130	6		30
Bromomethane	74		74		57-147	0		30
Vinyl chloride	75		68		67-130	10		30
Chloroethane	97		91		50-151	6		30
1,1-Dichloroethene	107		98		65-135	9		30
trans-1,2-Dichloroethene	100		94		70-130	6		30
Trichloroethene	102		98		70-130	4		30
1,2-Dichlorobenzene	97		95		70-130	2		30
1,3-Dichlorobenzene	98		94		70-130	4		30
1,4-Dichlorobenzene	97		94		70-130	3		30
Methyl tert butyl ether	100		98		66-130	2		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	91		86		70-130	6		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	102		99		70-130	3		30
Styrene	91		86		70-130	6		30
Dichlorodifluoromethane	121		112		30-146	8		30
Acetone	118		111		54-140	6		30
Carbon disulfide	106		98		59-130	8		30
2-Butanone	103		110		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827910-1 WG827910-2								
Vinyl acetate	110		97		70-130	13		30
4-Methyl-2-pentanone	107		103		70-130	4		30
1,2,3-Trichloropropane	92		87		68-130	6		30
2-Hexanone	109		103		70-130	6		30
Bromochloromethane	106		101		70-130	5		30
2,2-Dichloropropane	108		101		70-130	7		30
1,2-Dibromoethane	99		94		70-130	5		30
1,3-Dichloropropane	92		88		69-130	4		30
1,1,1,2-Tetrachloroethane	99		92		70-130	7		30
Bromobenzene	93		92		70-130	1		30
n-Butylbenzene	103		98		70-130	5		30
sec-Butylbenzene	104		99		70-130	5		30
tert-Butylbenzene	104		96		70-130	8		30
o-Chlorotoluene	103		95		70-130	8		30
p-Chlorotoluene	105		99		70-130	6		30
1,2-Dibromo-3-chloropropane	93		88		68-130	6		30
Hexachlorobutadiene	85		80		67-130	6		30
Isopropylbenzene	103		96		70-130	7		30
p-Isopropyltoluene	103		98		70-130	5		30
Naphthalene	96		96		70-130	0		30
Acrylonitrile	**149**	Q	**143**	Q	70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827910-1 WG827910-2								
Isopropyl Ether	**135**	Q	129		66-130	5		30
tert-Butyl Alcohol	85		86		70-130	1		30
n-Propylbenzene	102		96		70-130	6		30
1,2,3-Trichlorobenzene	92		90		70-130	2		30
1,2,4-Trichlorobenzene	92		91		70-130	1		30
1,3,5-Trimethylbenzene	103		96		70-130	7		30
1,2,4-Trimethylbenzene	102		98		70-130	4		30
Methyl Acetate	120		118		51-146	2		30
Ethyl Acetate	102		115		70-130	12		30
Acrolein	113		108		70-130	5		30
Cyclohexane	135		127		59-142	6		30
1,4-Dioxane	88		90		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	111		104		50-139	7		30
p-Diethylbenzene	101		97		70-130	4		30
p-Ethyltoluene	100		95		70-130	5		30
1,2,4,5-Tetramethylbenzene	101		99		70-130	2		30
Tetrahydrofuran	122		119		66-130	2		30
Ethyl ether	104		98		67-130	6		30
trans-1,4-Dichloro-2-butene	**156**	Q	**153**	Q	70-130	2		30
Methyl cyclohexane	96		91		70-130	5		30
Ethyl-Tert-Butyl-Ether	114		111		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827910-1 WG827910-2								
Tertiary-Amyl Methyl Ether	90		86		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	107		108		70-130
Dibromofluoromethane	108		107		70-130

SEMIVOLATILES

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-01
Client ID: SS001
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/05/15 12:24
Analyst: MY
Percent Solids: 49%

Date Collected: 10/02/15 08:50
Date Received: 10/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/03/15 12:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	270	70.	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	110	1
Hexachlorobenzene	ND		ug/kg	200	64.	1
Bis(2-chloroethyl)ether	ND		ug/kg	310	96.	1
2-Chloronaphthalene	ND		ug/kg	340	110	1
1,2-Dichlorobenzene	ND		ug/kg	340	110	1
1,3-Dichlorobenzene	ND		ug/kg	340	110	1
1,4-Dichlorobenzene	ND		ug/kg	340	100	1
3,3'-Dichlorobenzidine	ND		ug/kg	340	91.	1
2,4-Dinitrotoluene	ND		ug/kg	340	74.	1
2,6-Dinitrotoluene	ND		ug/kg	340	87.	1
Fluoranthene	ND		ug/kg	200	62.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	340	100	1
4-Bromophenyl phenyl ether	ND		ug/kg	340	78.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	410	120	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	100	1
Hexachlorobutadiene	ND		ug/kg	340	96.	1
Hexachlorocyclopentadiene	ND		ug/kg	970	220	1
Hexachloroethane	ND		ug/kg	270	62.	1
Isophorone	ND		ug/kg	310	91.	1
Naphthalene	ND		ug/kg	340	110	1
Nitrobenzene	ND		ug/kg	310	81.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	270	72.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	340	100	1
Bis(2-Ethylhexyl)phthalate	1200		ug/kg	340	89.	1
Butyl benzyl phthalate	ND		ug/kg	340	66.	1
Di-n-butylphthalate	ND		ug/kg	340	66.	1
Di-n-octylphthalate	ND		ug/kg	340	84.	1
Diethyl phthalate	ND		ug/kg	340	72.	1
Dimethyl phthalate	ND		ug/kg	340	86.	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-01 Date Collected: 10/02/15 08:50

Client ID: SS001 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	200	67.	1
Benzo(a)pyrene	ND		ug/kg	270	83.	1
Benzo(b)fluoranthene	ND		ug/kg	200	69.	1
Benzo(k)fluoranthene	ND		ug/kg	200	65.	1
Chrysene	ND		ug/kg	200	67.	1
Acenaphthylene	ND		ug/kg	270	64.	1
Anthracene	ND		ug/kg	200	57.	1
Benzo(ghi)perylene	ND		ug/kg	270	71.	1
Fluorene	ND		ug/kg	340	98.	1
Phenanthrene	ND		ug/kg	200	67.	1
Dibenzo(a,h)anthracene	ND		ug/kg	200	66.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	270	76.	1
Pyrene	ND		ug/kg	200	66.	1
Biphenyl	ND		ug/kg	780	110	1
4-Chloroaniline	380		ug/kg	340	90.	1
2-Nitroaniline	ND		ug/kg	340	96.	1
3-Nitroaniline	ND		ug/kg	340	94.	1
4-Nitroaniline	ND		ug/kg	340	92.	1
Dibenzofuran	ND		ug/kg	340	110	1
2-Methylnaphthalene	ND		ug/kg	410	110	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	340	100	1
Acetophenone	ND		ug/kg	340	100	1
2,4,6-Trichlorophenol	ND		ug/kg	200	64.	1
P-Chloro-M-Cresol	ND		ug/kg	340	99.	1
2-Chlorophenol	ND		ug/kg	340	100	1
2,4-Dichlorophenol	ND		ug/kg	310	110	1
2,4-Dimethylphenol	ND		ug/kg	340	100	1
2-Nitrophenol	ND		ug/kg	740	110	1
4-Nitrophenol	ND		ug/kg	480	110	1
2,4-Dinitrophenol	ND		ug/kg	1600	470	1
4,6-Dinitro-o-cresol	ND		ug/kg	880	120	1
Pentachlorophenol	ND		ug/kg	270	73.	1
Phenol	ND		ug/kg	340	100	1
2-Methylphenol	ND		ug/kg	340	110	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	490	110	1
2,4,5-Trichlorophenol	ND		ug/kg	340	110	1
Benzoic Acid	ND		ug/kg	1100	340	1
Benzyl Alcohol	ND		ug/kg	340	100	1
Carbazole	ND		ug/kg	340	73.	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-01 Date Collected: 10/02/15 08:50

Client ID: SS001 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	81		18-120

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-02
Client ID: SS003
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/05/15 14:32
Analyst: MY
Percent Solids: 18%

Date Collected: 10/02/15 09:20
Date Received: 10/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/03/15 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	730	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	910	300	1
Hexachlorobenzene	ND		ug/kg	550	170	1
Bis(2-chloroethyl)ether	ND		ug/kg	820	260	1
2-Chloronaphthalene	ND		ug/kg	910	300	1
1,2-Dichlorobenzene	3900		ug/kg	910	300	1
1,3-Dichlorobenzene	ND		ug/kg	910	290	1
1,4-Dichlorobenzene	32000		ug/kg	910	280	1
3,3'-Dichlorobenzidine	ND		ug/kg	910	240	1
2,4-Dinitrotoluene	ND		ug/kg	910	200	1
2,6-Dinitrotoluene	ND		ug/kg	910	230	1
Fluoranthene	ND		ug/kg	550	170	1
4-Chlorophenyl phenyl ether	ND		ug/kg	910	280	1
4-Bromophenyl phenyl ether	ND		ug/kg	910	210	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	320	1
Bis(2-chloroethoxy)methane	ND		ug/kg	980	280	1
Hexachlorobutadiene	ND		ug/kg	910	260	1
Hexachlorocyclopentadiene	ND		ug/kg	2600	580	1
Hexachloroethane	ND		ug/kg	730	160	1
Isophorone	ND		ug/kg	820	240	1
Naphthalene	370	J	ug/kg	910	300	1
Nitrobenzene	ND		ug/kg	820	220	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	730	190	1
n-Nitrosodi-n-propylamine	ND		ug/kg	910	270	1
Bis(2-Ethylhexyl)phthalate	28000		ug/kg	910	240	1
Butyl benzyl phthalate	ND		ug/kg	910	180	1
Di-n-butylphthalate	ND		ug/kg	910	180	1
Di-n-octylphthalate	ND		ug/kg	910	220	1
Diethyl phthalate	ND		ug/kg	910	190	1
Dimethyl phthalate	ND		ug/kg	910	230	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-02 Date Collected: 10/02/15 09:20

Client ID: SS003 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	550	180	1
Benzo(a)pyrene	ND		ug/kg	730	220	1
Benzo(b)fluoranthene	ND		ug/kg	550	180	1
Benzo(k)fluoranthene	ND		ug/kg	550	170	1
Chrysene	ND		ug/kg	550	180	1
Acenaphthylene	ND		ug/kg	730	170	1
Anthracene	ND		ug/kg	550	150	1
Benzo(ghi)perylene	ND		ug/kg	730	190	1
Fluorene	ND		ug/kg	910	260	1
Phenanthrene	ND		ug/kg	550	180	1
Dibenzo(a,h)anthracene	ND		ug/kg	550	180	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	730	200	1
Pyrene	ND		ug/kg	550	180	1
Biphenyl	ND		ug/kg	2100	300	1
4-Chloroaniline	790	J	ug/kg	910	240	1
2-Nitroaniline	ND		ug/kg	910	260	1
3-Nitroaniline	ND		ug/kg	910	250	1
4-Nitroaniline	ND		ug/kg	910	240	1
Dibenzofuran	ND		ug/kg	910	300	1
2-Methylnaphthalene	ND		ug/kg	1100	290	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	910	280	1
Acetophenone	ND		ug/kg	910	280	1
2,4,6-Trichlorophenol	ND		ug/kg	550	170	1
P-Chloro-M-Cresol	ND		ug/kg	910	260	1
2-Chlorophenol	ND		ug/kg	910	270	1
2,4-Dichlorophenol	ND		ug/kg	820	290	1
2,4-Dimethylphenol	ND		ug/kg	910	270	1
2-Nitrophenol	ND		ug/kg	2000	280	1
4-Nitrophenol	ND		ug/kg	1300	290	1
2,4-Dinitrophenol	ND		ug/kg	4400	1200	1
4,6-Dinitro-o-cresol	ND		ug/kg	2400	330	1
Pentachlorophenol	ND		ug/kg	730	190	1
Phenol	ND		ug/kg	910	270	1
2-Methylphenol	ND		ug/kg	910	290	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	300	1
2,4,5-Trichlorophenol	ND		ug/kg	910	290	1
Benzoic Acid	ND		ug/kg	2900	920	1
Benzyl Alcohol	ND		ug/kg	910	280	1
Carbazole	ND		ug/kg	910	200	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-02 Date Collected: 10/02/15 09:20

Client ID: SS003 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	47		18-120

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03
Client ID: SS005
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/05/15 15:21
Analyst: MY
Percent Solids: 70%

Date Collected: 10/02/15 10:30
Date Received: 10/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/03/15 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	48.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	77.	1
Hexachlorobenzene	ND		ug/kg	140	44.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	66.	1
2-Chloronaphthalene	ND		ug/kg	230	76.	1
1,2-Dichlorobenzene	ND		ug/kg	230	77.	1
1,3-Dichlorobenzene	ND		ug/kg	230	74.	1
1,4-Dichlorobenzene	ND		ug/kg	230	71.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	50.	1
2,6-Dinitrotoluene	ND		ug/kg	230	60.	1
Fluoranthene	650		ug/kg	140	43.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	71.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	54.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	82.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	71.	1
Hexachlorobutadiene	ND		ug/kg	230	66.	1
Hexachlorocyclopentadiene	ND		ug/kg	670	150	1
Hexachloroethane	ND		ug/kg	190	42.	1
Isophorone	ND		ug/kg	210	62.	1
Naphthalene	ND		ug/kg	230	78.	1
Nitrobenzene	ND		ug/kg	210	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	190	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	70.	1
Bis(2-Ethylhexyl)phthalate	270		ug/kg	230	61.	1
Butyl benzyl phthalate	ND		ug/kg	230	46.	1
Di-n-butylphthalate	ND		ug/kg	230	45.	1
Di-n-octylphthalate	ND		ug/kg	230	58.	1
Diethyl phthalate	ND		ug/kg	230	49.	1
Dimethyl phthalate	ND		ug/kg	230	59.	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03 Date Collected: 10/02/15 10:30

Client ID: SS005 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	440		ug/kg	140	46.	1
Benzo(a)pyrene	350		ug/kg	190	57.	1
Benzo(b)fluoranthene	500		ug/kg	140	47.	1
Benzo(k)fluoranthene	180		ug/kg	140	44.	1
Chrysene	470		ug/kg	140	46.	1
Acenaphthylene	ND		ug/kg	190	44.	1
Anthracene	56	J	ug/kg	140	39.	1
Benzo(ghi)perylene	150	J	ug/kg	190	49.	1
Fluorene	ND		ug/kg	230	67.	1
Phenanthrene	170		ug/kg	140	46.	1
Dibenzo(a,h)anthracene	48	J	ug/kg	140	45.	1
Indeno(1,2,3-cd)Pyrene	170	J	ug/kg	190	52.	1
Pyrene	560		ug/kg	140	45.	1
Biphenyl	ND		ug/kg	530	77.	1
4-Chloroaniline	ND		ug/kg	230	62.	1
2-Nitroaniline	ND		ug/kg	230	66.	1
3-Nitroaniline	ND		ug/kg	230	64.	1
4-Nitroaniline	ND		ug/kg	230	63.	1
Dibenzofuran	ND		ug/kg	230	78.	1
2-Methylnaphthalene	ND		ug/kg	280	75.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	72.	1
Acetophenone	ND		ug/kg	230	72.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
P-Chloro-M-Cresol	ND		ug/kg	230	68.	1
2-Chlorophenol	ND		ug/kg	230	70.	1
2,4-Dichlorophenol	ND		ug/kg	210	76.	1
2,4-Dimethylphenol	ND		ug/kg	230	70.	1
2-Nitrophenol	ND		ug/kg	500	73.	1
4-Nitrophenol	ND		ug/kg	330	76.	1
2,4-Dinitrophenol	ND		ug/kg	1100	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	610	86.	1
Pentachlorophenol	ND		ug/kg	190	50.	1
Phenol	ND		ug/kg	230	69.	1
2-Methylphenol	ND		ug/kg	230	75.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	340	77.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	76.	1
Benzoic Acid	ND		ug/kg	760	240	1
Benzyl Alcohol	ND		ug/kg	230	72.	1
Carbazole	ND		ug/kg	230	50.	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03 Date Collected: 10/02/15 10:30

Client ID: SS005 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	70		18-120

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-04
Client ID: SS006
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/05/15 15:47
Analyst: MY
Percent Solids: 93%

Date Collected: 10/02/15 11:20
Date Received: 10/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/03/15 12:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	56	J	ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	59.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-Ethylhexyl)phthalate	420		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-04 Date Collected: 10/02/15 11:20

Client ID: SS006 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	54	J	ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	37	J	ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	130	J	ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	34.	1
Indeno(1,2,3-cd)Pyrene	60	J	ug/kg	140	40.	1
Pyrene	47	J	ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	49.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	210	57.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	55.	1
Acetophenone	ND		ug/kg	180	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	380	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	65.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-04 Date Collected: 10/02/15 11:20

Client ID: SS006 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	76		18-120

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-05
Client ID: SD-4
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/05/15 16:11
Analyst: MY
Percent Solids: 67%

Date Collected: 10/02/15 12:20
Date Received: 10/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/03/15 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	50.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	80.	1
Hexachlorobenzene	ND		ug/kg	150	46.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	69.	1
2-Chloronaphthalene	ND		ug/kg	240	80.	1
1,2-Dichlorobenzene	ND		ug/kg	240	81.	1
1,3-Dichlorobenzene	ND		ug/kg	240	77.	1
1,4-Dichlorobenzene	1700		ug/kg	240	75.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	65.	1
2,4-Dinitrotoluene	ND		ug/kg	240	53.	1
2,6-Dinitrotoluene	ND		ug/kg	240	63.	1
Fluoranthene	520		ug/kg	150	45.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	75.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	56.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	86.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	74.	1
Hexachlorobutadiene	ND		ug/kg	240	69.	1
Hexachlorocyclopentadiene	ND		ug/kg	700	160	1
Hexachloroethane	ND		ug/kg	200	45.	1
Isophorone	ND		ug/kg	220	65.	1
Naphthalene	ND		ug/kg	240	82.	1
Nitrobenzene	ND		ug/kg	220	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	200	52.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	73.	1
Bis(2-Ethylhexyl)phthalate	2200		ug/kg	240	64.	1
Butyl benzyl phthalate	ND		ug/kg	240	48.	1
Di-n-butylphthalate	ND		ug/kg	240	47.	1
Di-n-octylphthalate	ND		ug/kg	240	60.	1
Diethyl phthalate	ND		ug/kg	240	52.	1
Dimethyl phthalate	ND		ug/kg	240	62.	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-05 Date Collected: 10/02/15 12:20

Client ID: SD-4 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	230		ug/kg	150	48.	1
Benzo(a)pyrene	170	J	ug/kg	200	60.	1
Benzo(b)fluoranthene	240		ug/kg	150	50.	1
Benzo(k)fluoranthene	77	J	ug/kg	150	47.	1
Chrysene	240		ug/kg	150	48.	1
Acenaphthylene	ND		ug/kg	200	46.	1
Anthracene	130	J	ug/kg	150	41.	1
Benzo(ghi)perylene	ND		ug/kg	200	51.	1
Fluorene	ND		ug/kg	240	70.	1
Phenanthrene	520		ug/kg	150	48.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	48.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	200	54.	1
Pyrene	400		ug/kg	150	48.	1
Biphenyl	ND		ug/kg	560	81.	1
4-Chloroaniline	ND		ug/kg	240	65.	1
2-Nitroaniline	ND		ug/kg	240	69.	1
3-Nitroaniline	ND		ug/kg	240	68.	1
4-Nitroaniline	ND		ug/kg	240	66.	1
Dibenzofuran	ND		ug/kg	240	82.	1
2-Methylnaphthalene	410		ug/kg	290	78.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	76.	1
Acetophenone	ND		ug/kg	240	76.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	46.	1
P-Chloro-M-Cresol	ND		ug/kg	240	71.	1
2-Chlorophenol	ND		ug/kg	240	74.	1
2,4-Dichlorophenol	ND		ug/kg	220	80.	1
2,4-Dimethylphenol	ND		ug/kg	240	73.	1
2-Nitrophenol	ND		ug/kg	530	77.	1
4-Nitrophenol	ND		ug/kg	340	80.	1
2,4-Dinitrophenol	ND		ug/kg	1200	340	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	90.	1
Pentachlorophenol	ND		ug/kg	200	52.	1
Phenol	ND		ug/kg	240	73.	1
2-Methylphenol	ND		ug/kg	240	79.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	80.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	80.	1
Benzoic Acid	ND		ug/kg	800	250	1
Benzyl Alcohol	ND		ug/kg	240	76.	1
Carbazole	120	J	ug/kg	240	53.	1

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-05 Date Collected: 10/02/15 12:20

Client ID: SD-4 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	83		18-120

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/04/15 15:21
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 10/03/15 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG827571-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/04/15 15:21
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 10/03/15 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG827571-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/04/15 15:21
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 10/03/15 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG827571-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	68		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827571-2 WG827571-3								
Acenaphthene	68		77		31-137	12		50
1,2,4-Trichlorobenzene	69		77		38-107	11		50
Hexachlorobenzene	72		81		40-140	12		50
Bis(2-chloroethyl)ether	73		73		40-140	0		50
2-Chloronaphthalene	72		82		40-140	13		50
1,2-Dichlorobenzene	67		72		40-140	7		50
1,3-Dichlorobenzene	69		72		40-140	4		50
1,4-Dichlorobenzene	69		72		28-104	4		50
3,3'-Dichlorobenzidine	56		64		40-140	13		50
2,4-Dinitrotoluene	70		80		28-89	13		50
2,6-Dinitrotoluene	73		82		40-140	12		50
Fluoranthene	73		83		40-140	13		50
4-Chlorophenyl phenyl ether	70		78		40-140	11		50
4-Bromophenyl phenyl ether	71		81		40-140	13		50
Bis(2-chloroisopropyl)ether	71		77		40-140	8		50
Bis(2-chloroethoxy)methane	75		80		40-117	6		50
Hexachlorobutadiene	69		75		40-140	8		50
Hexachlorocyclopentadiene	63		73		40-140	15		50
Hexachloroethane	68		70		40-140	3		50
Isophorone	79		84		40-140	6		50
Naphthalene	68		77		40-140	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827571-2 WG827571-3								
Nitrobenzene	72		80		40-140	11		50
NitrosoDiPhenylAmine(NDPA)/DPA	70		81		36-157	15		50
n-Nitrosodi-n-propylamine	79		84		32-121	6		50
Bis(2-Ethylhexyl)phthalate	72		81		40-140	12		50
Butyl benzyl phthalate	70		81		40-140	15		50
Di-n-butylphthalate	70		79		40-140	12		50
Di-n-octylphthalate	70		78		40-140	11		50
Diethyl phthalate	71		82		40-140	14		50
Dimethyl phthalate	68		77		40-140	12		50
Benzo(a)anthracene	71		79		40-140	11		50
Benzo(a)pyrene	73		82		40-140	12		50
Benzo(b)fluoranthene	72		80		40-140	11		50
Benzo(k)fluoranthene	74		83		40-140	11		50
Chrysene	72		81		40-140	12		50
Acenaphthylene	70		79		40-140	12		50
Anthracene	70		80		40-140	13		50
Benzo(ghi)perylene	74		81		40-140	9		50
Fluorene	70		80		40-140	13		50
Phenanthrene	68		78		40-140	14		50
Dibenzo(a,h)anthracene	75		82		40-140	9		50
Indeno(1,2,3-cd)Pyrene	70		76		40-140	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827571-2 WG827571-3								
Pyrene	71		82		35-142	14		50
Biphenyl	73		82		54-104	12		50
4-Chloroaniline	78		87		40-140	11		50
2-Nitroaniline	71		78		47-134	9		50
3-Nitroaniline	61		69		26-129	12		50
4-Nitroaniline	69		78		41-125	12		50
Dibenzofuran	68		76		40-140	11		50
2-Methylnaphthalene	71		78		40-140	9		50
1,2,4,5-Tetrachlorobenzene	70		78		40-117	11		50
Acetophenone	80		84		14-144	5		50
2,4,6-Trichlorophenol	72		81		30-130	12		50
P-Chloro-M-Cresol	76		82		26-103	8		50
2-Chlorophenol	72		78		25-102	8		50
2,4-Dichlorophenol	71		79		30-130	11		50
2,4-Dimethylphenol	76		82		30-130	8		50
2-Nitrophenol	72		77		30-130	7		50
4-Nitrophenol	73		83		11-114	13		50
2,4-Dinitrophenol	20		21		4-130	5		50
4,6-Dinitro-o-cresol	50		58		10-130	15		50
Pentachlorophenol	60		69		17-109	14		50
Phenol	74		79		26-90	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG827571-2 WG827571-3								
2-Methylphenol	76		81		30-130.	6		50
3-Methylphenol/4-Methylphenol	78		81		30-130	4		50
2,4,5-Trichlorophenol	72		80		30-130	11		50
Benzoic Acid	14		14		10-66	0		50
Benzyl Alcohol	78		82		40-140	5		50
Carbazole	72		83		54-128	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		78		25-120
Phenol-d6	74		79		10-120
Nitrobenzene-d5	73		80		23-120
2-Fluorobiphenyl	72		79		30-120
2,4,6-Tribromophenol	69		84		10-136
4-Terphenyl-d14	69		79		18-120

METALS

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-01 Date Collected: 10/02/15 08:50

Client ID: SS001 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 10/03/15 14:44

Percent Solids: 49%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.04	J	mg/l	1.0	0.02	1	10/06/15 07:30	10/06/15 11:13	EPA 3015	1,6010C	JH
Barium, TCLP	0.23	J	mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:13	EPA 3015	1,6010C	JH
Cadmium, TCLP	0.02	J	mg/l	0.10	0.01	1	10/06/15 07:30	10/06/15 11:13	EPA 3015	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	10/06/15 07:30	10/06/15 11:13	EPA 3015	1,6010C	JH
Lead, TCLP	3.0		mg/l	0.50	0.02	1	10/06/15 07:30	10/06/15 11:13	EPA 3015	1,6010C	JH
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/05/15 19:03	10/06/15 10:54	EPA 7470A	1,7470A	DB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:13	EPA 3015	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	10/06/15 07:30	10/06/15 11:13	EPA 3015	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-02 Date Collected: 10/02/15 09:20

Client ID: SS003 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 10/03/15 14:44

Percent Solids: 18%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	10/06/15 07:30	10/06/15 11:29	EPA 3015	1,6010C	JH
Barium, TCLP	0.94		mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:29	EPA 3015	1,6010C	JH
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	10/06/15 07:30	10/06/15 11:29	EPA 3015	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	10/06/15 07:30	10/06/15 11:29	EPA 3015	1,6010C	JH
Lead, TCLP	ND		mg/l	0.50	0.02	1	10/06/15 07:30	10/06/15 11:29	EPA 3015	1,6010C	JH
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/05/15 19:03	10/06/15 11:01	EPA 7470A	1,7470A	DB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:29	EPA 3015	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	10/06/15 07:30	10/06/15 11:29	EPA 3015	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03 Date Collected: 10/02/15 10:30

Client ID: SS005 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 10/03/15 14:44

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	10/06/15 07:30	10/06/15 11:33	EPA 3015	1,6010C	JH
Barium, TCLP	0.24	J	mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:33	EPA 3015	1,6010C	JH
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	10/06/15 07:30	10/06/15 11:33	EPA 3015	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	10/06/15 07:30	10/06/15 11:33	EPA 3015	1,6010C	JH
Lead, TCLP	ND		mg/l	0.50	0.02	1	10/06/15 07:30	10/06/15 11:33	EPA 3015	1,6010C	JH
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/05/15 19:03	10/06/15 11:03	EPA 7470A	1,7470A	DB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:33	EPA 3015	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	10/06/15 07:30	10/06/15 11:33	EPA 3015	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03 Date Collected: 10/02/15 10:30

Client ID: SS005 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Matrix: Soil

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	250		mg/kg	11	2.2	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	5.6	0.90	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Arsenic, Total	0.46	J	mg/kg	1.1	0.22	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Barium, Total	12		mg/kg	1.1	0.34	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.56	0.11	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	1.1	0.08	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Calcium, Total	330		mg/kg	11	3.4	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Chromium, Total	1.7		mg/kg	1.1	0.22	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Cobalt, Total	ND		mg/kg	2.2	0.56	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Copper, Total	81		mg/kg	1.1	0.22	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Iron, Total	820		mg/kg	5.6	2.2	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Lead, Total	30		mg/kg	5.6	0.22	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Magnesium, Total	110		mg/kg	11	1.1	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Manganese, Total	3.7		mg/kg	1.1	0.22	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Mercury, Total	0.72		mg/kg	0.10	0.02	1	10/03/15 14:35	10/05/15 13:30	EPA 7471B	1,7471B	DB
Nickel, Total	0.62	J	mg/kg	2.8	0.45	2	10/03/15 05:01	10/06/15 15:53	EPA 3050B	1,6010C	PS
Potassium, Total	68	J	mg/kg	280	45.	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	2.2	0.34	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	1.1	0.22	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Sodium, Total	ND		mg/kg	220	34.	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	2.2	0.45	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Vanadium, Total	1.1		mg/kg	1.1	0.11	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS
Zinc, Total	6.0		mg/kg	5.6	0.79	2	10/03/15 05:01	10/06/15 14:24	EPA 3050B	1,6010C	PS

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-04 Date Collected: 10/02/15 11:20

Client ID: SS006 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 10/03/15 14:44

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.05	J	mg/l	1.0	0.02	1	10/06/15 07:30	10/06/15 11:37	EPA 3015	1,6010C	JH
Barium, TCLP	0.13	J	mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:37	EPA 3015	1,6010C	JH
Cadmium, TCLP	0.03	J	mg/l	0.10	0.01	1	10/06/15 07:30	10/06/15 11:37	EPA 3015	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	10/06/15 07:30	10/06/15 11:37	EPA 3015	1,6010C	JH
Lead, TCLP	ND		mg/l	0.50	0.02	1	10/06/15 07:30	10/06/15 11:37	EPA 3015	1,6010C	JH
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/05/15 19:03	10/06/15 11:05	EPA 7470A	1,7470A	DB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:37	EPA 3015	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	10/06/15 07:30	10/06/15 11:37	EPA 3015	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-05 Date Collected: 10/02/15 12:20

Client ID: SD-4 Date Received: 10/02/15

Sample Location: ISLAND HILLS GOLF COURSE Field Prep: Not Specified

Matrix: Soil TCLP/SPLP Ext. Date: 10/03/15 14:44

Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	10/06/15 07:30	10/06/15 11:41	EPA 3015	1,6010C	JH
Barium, TCLP	0.22	J	mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:41	EPA 3015	1,6010C	JH
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	10/06/15 07:30	10/06/15 11:41	EPA 3015	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	10/06/15 07:30	10/06/15 11:41	EPA 3015	1,6010C	JH
Lead, TCLP	0.03	J	mg/l	0.50	0.02	1	10/06/15 07:30	10/06/15 11:41	EPA 3015	1,6010C	JH
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/05/15 19:03	10/06/15 11:06	EPA 7470A	1,7470A	DB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:41	EPA 3015	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	10/06/15 07:30	10/06/15 11:41	EPA 3015	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG827521-1										
Aluminum, Total	1.1	J	mg/kg	4.0	0.80	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Antimony, Total	ND		mg/kg	2.0	0.32	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Arsenic, Total	ND		mg/kg	0.40	0.08	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Barium, Total	ND		mg/kg	0.40	0.12	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Calcium, Total	ND		mg/kg	4.0	1.2	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.80	0.20	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Copper, Total	ND		mg/kg	0.40	0.08	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Iron, Total	1.4	J	mg/kg	2.0	0.80	1	10/03/15 05:01	10/06/15 15:45	1,6010C	PS
Lead, Total	ND		mg/kg	2.0	0.08	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Magnesium, Total	0.59	J	mg/kg	4.0	0.40	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Manganese, Total	ND		mg/kg	0.40	0.08	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/03/15 05:01	10/06/15 15:45	1,6010C	PS
Potassium, Total	ND		mg/kg	100	16.	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Silver, Total	ND		mg/kg	0.40	0.08	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Sodium, Total	ND		mg/kg	80	12.	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Thallium, Total	ND		mg/kg	0.80	0.16	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.40	0.04	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS
Zinc, Total	ND		mg/kg	2.0	0.28	1	10/03/15 05:01	10/06/15 14:16	1,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG827549-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 12:55	1,7471B	DB

Project Name: RSL1501 **Lab Number:** L1524911

Project Number: RSL1501 **Report Date:** 10/06/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG828023-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/05/15 19:03	10/06/15 10:51	1,7470A	DB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 10/03/15 14:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-05 Batch: WG828140-1										
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	10/06/15 07:30	10/06/15 11:05	1,6010C	JH
Barium, TCLP	ND		mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:05	1,6010C	JH
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	10/06/15 07:30	10/06/15 11:05	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	10/06/15 07:30	10/06/15 11:05	1,6010C	JH
Lead, TCLP	ND		mg/l	0.50	0.02	1	10/06/15 07:30	10/06/15 11:05	1,6010C	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	10/06/15 07:30	10/06/15 11:05	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	10/06/15 07:30	10/06/15 11:05	1,6010C	JH

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 10/03/15 14:44

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG827521-2 SRM Lot Number: D088-540								
Aluminum, Total	72		-		48-151	-		
Antimony, Total	131		-		1-208	-		
Arsenic, Total	96		-		79-121	-		
Barium, Total	83		-		83-117	-		
Beryllium, Total	90		-		83-117	-		
Cadmium, Total	83		-		83-117	-		
Calcium, Total	82		-		81-119	-		
Chromium, Total	85		-		80-120	-		
Cobalt, Total	89		-		84-115	-		
Copper, Total	90		-		81-118	-		
Iron, Total	89		-		45-155	-		
Lead, Total	83		-		81-117	-		
Magnesium, Total	78		-		76-124	-		
Manganese, Total	84		-		81-118	-		
Nickel, Total	92		-		83-117	-		
Potassium, Total	79		-		71-129	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	93		-		75-124	-		
Sodium, Total	88		-		72-127	-		
Thallium, Total	90		-		80-120	-		
Vanadium, Total	84		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG827521-2 SRM Lot Number: D088-540					
Zinc, Total	84	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG827549-2 SRM Lot Number: D088-540					
Mercury, Total	95	-	72-128	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG828023-2					
Mercury, TCLP	99	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 Batch: WG828140-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	112	-	75-125	-	20
Chromium, TCLP	95	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG827521-4 QC Sample: L1524911-03 Client ID: SS005												
Aluminum, Total	250	227	600	**154**	Q	-	-		75-125	-		20
Antimony, Total	ND	56.8	57	100		-	-		75-125	-		20
Arsenic, Total	0.46J	13.6	14	103		-	-		75-125	-		20
Barium, Total	12.	227	220	92		-	-		75-125	-		20
Beryllium, Total	ND	5.68	5.5	97		-	-		75-125	-		20
Cadmium, Total	ND	5.79	5.8	100		-	-		75-125	-		20
Calcium, Total	330	1140	1700	121		-	-		75-125	-		20
Chromium, Total	1.7	22.7	24	98		-	-		75-125	-		20
Cobalt, Total	ND	56.8	55	97		-	-		75-125	-		20
Copper, Total	81.	28.4	150	**243**	Q	-	-		75-125	-		20
Iron, Total	820	114	1100	**246**	Q	-	-		75-125	-		20
Lead, Total	30.	57.9	110	**138**	Q	-	-		75-125	-		20
Magnesium, Total	110	1140	1300	105		-	-		75-125	-		20
Manganese, Total	3.7	56.8	56	92		-	-		75-125	-		20
Nickel, Total	0.62J	56.8	51	90		-	-		75-125	-		20
Potassium, Total	68.J	1140	1100	97		-	-		75-125	-		20
Selenium, Total	ND	13.6	14	103		-	-		75-125	-		20
Silver, Total	ND	34.1	37	108		-	-		75-125	-		20
Sodium, Total	ND	1140	1200	106		-	-		75-125	-		20
Thallium, Total	ND	13.6	13	95		-	-		75-125	-		20
Vanadium, Total	1.1	56.8	53	93		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG827521-4 QC Sample: L1524911-03 Client ID: SS005										
Zinc, Total	6.0	56.8	60	95		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG827549-4 QC Sample: L1524911-03 Client ID: SS005										
Mercury, Total	0.72	0.188	0.52	**0**	Q	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG828023-4 QC Sample: L1524911-01 Client ID: SS001										
Mercury, TCLP	ND	0.025	0.0256	102		-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG828140-4 QC Sample: L1524911-01 Client ID: SS001										
Arsenic, TCLP	0.04J	1.39	1.3	93		-	-	75-125	-	20
Barium, TCLP	0.23J	23.2	21	90		-	-	75-125	-	20
Cadmium, TCLP	0.02J	0.592	0.58	98		-	-	75-125	-	20
Chromium, TCLP	ND	2.32	1.9	82		-	-	75-125	-	20
Lead, TCLP	3.0	5.92	8.0	84		-	-	75-125	-	20
Selenium, TCLP	ND	1.39	1.4	100		-	-	75-125	-	20
Silver, TCLP	ND	0.58	0.51	88		-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG827521-3 QC Sample: L1524911-03 Client ID: SS005						
Aluminum, Total	250	250	mg/kg	0		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	0.46J	0.58J	mg/kg	NC		20
Barium, Total	12.	15	mg/kg	**22**	Q	20
Beryllium, Total	ND	ND	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	330	660	mg/kg	**67**	Q	20
Chromium, Total	1.7	2.2	mg/kg	**26**	Q	20
Cobalt, Total	ND	ND	mg/kg	NC		20
Copper, Total	81.	160	mg/kg	**66**	Q	20
Iron, Total	820	1200	mg/kg	**38**	Q	20
Lead, Total	30.	67	mg/kg	**76**	Q	20
Magnesium, Total	110	150	mg/kg	**31**	Q	20
Manganese, Total	3.7	5.2	mg/kg	**34**	Q	20
Potassium, Total	68.J	50J	mg/kg	NC		20
Selenium, Total	ND	0.33J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	ND	37J	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG827521-3 QC Sample: L1524911-03 Client ID: SS005						
Vanadium, Total	1.1	1.0J	mg/kg	NC		20
Zinc, Total	6.0	11	mg/kg	**59**	Q	20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG827521-3 QC Sample: L1524911-03 Client ID: SS005						
Nickel, Total	0.62J	0.96J	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG827549-3 QC Sample: L1524911-03 Client ID: SS005						
Mercury, Total	0.72	0.50	mg/kg	**36**	Q	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG828023-3 QC Sample: L1524911-01 Client ID: SS001						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG828140-3 QC Sample: L1524911-01 Client ID: SS001						
Arsenic, TCLP	0.04J	0.04J	mg/l	NC		20
Barium, TCLP	0.23J	0.23J	mg/l	NC		20
Cadmium, TCLP	0.02J	0.02J	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	3.0	3.0	mg/l	0		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-01
Client ID: SS001
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil

Date Collected: 10/02/15 08:50
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	48.8		%	0.100	NA	1	-	10/03/15 02:55	30,2540G	RT

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-02
Client ID: SS003
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil

Date Collected: 10/02/15 09:20
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	17.9		%	0.100	NA	1	-	10/03/15 02:55	30,2540G	RT

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-03
Client ID: SS005
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil

Date Collected: 10/02/15 10:30
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.7		%	0.100	NA	1	-	10/03/15 02:55	30,2540G	RT

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-04
Client ID: SS006
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil

Date Collected: 10/02/15 11:20
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.7		%	0.100	NA	1	-	10/03/15 02:55	30,2540G	RT

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

SAMPLE RESULTS

Lab ID: L1524911-05
Client ID: SD-4
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil

Date Collected: 10/02/15 12:20
Date Received: 10/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.6		%	0.100	NA	1	-	10/03/15 02:55	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG827507-1 QC Sample: L1524911-01 Client ID: SS001						
Solids, Total	48.8	53.3	%	9		20

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524911-01A	Vial Large Septa unpreserved (4o	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-01A9	Vial MeOH preserved split	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-01B	Glass 250ml/8oz unpreserved	A	N/A	5.3	Y	Absent	NYTCL-8270(14),TS(7)
L1524911-01X	Plastic 120ml HNO3 preserved spl	A	<2	5.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1524911-01X9	Tumble Vessel	A	N/A	5.3	Y	Absent	-
L1524911-02A	Vial Large Septa unpreserved (4o	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-02A9	Vial MeOH preserved split	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-02B	Glass 250ml/8oz unpreserved	A	N/A	5.3	Y	Absent	NYTCL-8270(14),TS(7)
L1524911-02X	Plastic 120ml HNO3 preserved spl	A	<2	5.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1524911-02X9	Tumble Vessel	A	N/A	5.3	Y	Absent	-
L1524911-03A	Vial Large Septa unpreserved (4o	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-03A9	Vial MeOH preserved split	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-03B	Glass 250ml/8oz unpreserved	A	N/A	5.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524911-03X	Plastic 120ml HNO3 preserved spl	A	<2	5.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1524911-03X9	Tumble Vessel	A	N/A	5.3	Y	Absent	-
L1524911-04A	Vial Large Septa unpreserved (4o	A	N/A	5.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1524911
Report Date: 10/06/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524911-04A9	Vial MeOH preserved split	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-04B	Glass 250ml/8oz unpreserved	A	N/A	5.3	Y	Absent	NYTCL-8270(14),TS(7)
L1524911-04X	Plastic 120ml HNO3 preserved spl	A	<2	5.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1524911-04X9	Tumble Vessel	A	N/A	5.3	Y	Absent	-
L1524911-05A	Vial Large Septa unpreserved (4o	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-05A9	Vial MeOH preserved split	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1524911-05B	Glass 250ml/8oz unpreserved	A	N/A	5.3	Y	Absent	NYTCL-8270(14),TS(7)
L1524911-05X	Plastic 120ml HNO3 preserved spl	A	<2	5.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1524911-05X9	Tumble Vessel	A	N/A	5.3	Y	Absent	-

Container Comments

L1524911-01B

L1524911-02B

L1524911-03B

L1524911-04B

L1524911-05B

*Values in parentheses indicate holding time in days

Project Name:	RSL1501	**Lab Number:**	L1524911
Project Number:	RSL1501	**Report Date:**	10/06/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1524911
Project Number:	RSL1501	**Report Date:**	10/06/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1524911
Project Number:	RSL1501	**Report Date:**	10/06/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/2/15

ALPHA Job #: L1524911

Client Information
Client: PW Grosser
Address: 630 J...
Phone: (631) 589-6353
Fax:
Email:

Project Information
Project Name: RSL1501
Project Location: Island Hills Golf Course
Project #
(Use Project name as Project #) ☐
Project Manager: Bryan Deveaux
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	TCLP Metals	Metals	Sample Specific Comments	Total Bottle
24911-01	SSD01	10/2	0850	soil		✓	✓	✓			2
02	SSD03	"	0920	"		✓	✓	✓			2
03	SSD05	"	1030	"		✓	✓	✓	✓		2
04	SSD06	"	1120	"		✓	✓	✓			2
05	SD-4	"	1220	"		✓	✓	✓			2

Container Type: A A A A
Preservative: A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/2 13:04	[signature]	10/2/15 13:04
[signature]	10/2/15 1840	[signature]	10-2-15 1840
[signature]	10/2/15 2330	[signature]	10/2/15 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1525259
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Bryan Devaux
Phone:	(631) 589-6353
Project Name:	RSL1501
Project Number:	RSL1501
Report Date:	10/08/15

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525259
Report Date: 10/08/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1525259-01	SS003	SOIL	ISLAND HILLS GOLF COURSE	10/02/15 09:20	10/02/15

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525259
Report Date: 10/08/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	RSL1501	**Lab Number:**	L1525259
Project Number:	RSL1501	**Report Date:**	10/08/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 10/08/15

ORGANICS

VOLATILES

Project Name: RSL1501 **Lab Number:** L1525259

Project Number: RSL1501 **Report Date:** 10/08/15

SAMPLE RESULTS

Lab ID: L1525259-01
Client ID: SS003
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/08/15 09:35
Analyst: MM

Date Collected: 10/02/15 09:20
Date Received: 10/02/15
Field Prep: Not Specified

TCLP/SPLP Ext. Date: 10/07/15 13:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	20000	E	ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	140		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	860		ug/l	25	1.9	10
2-Butanone	24	J	ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	96		70-130

Project Name: RSL1501 **Lab Number:** L1525259

Project Number: RSL1501 **Report Date:** 10/08/15

SAMPLE RESULTS

Lab ID: L1525259-01 D
Client ID: SS003
Sample Location: ISLAND HILLS GOLF COURSE
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/08/15 13:55
Analyst: MM

Date Collected: 10/02/15 09:20
Date Received: 10/02/15
Field Prep: Not Specified

TCLP/SPLP Ext. Date: 10/07/15 13:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chlorobenzene	65000		ug/l	500	180	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: RSL1501 **Lab Number:** L1525259

Project Number: RSL1501 **Report Date:** 10/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/15 09:03
Analyst: MM
TCLP/SPLP Extraction Date: 10/07/15 13:21

Extraction Date: 10/07/15 13:21

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG829035-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.70
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525259
Report Date: 10/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG829035-1 WG829035-2								
Chloroform	89		90		70-130	1		20
Carbon tetrachloride	88		85		63-132	3		20
Tetrachloroethene	101		100		70-130	1		20
Chlorobenzene	93		95		75-130	2		25
1,2-Dichloroethane	76		79		70-130	4		20
Benzene	91		92		70-130	1		25
Vinyl chloride	80		83		55-140	4		20
1,1-Dichloroethene	90		88		61-145	2		25
Trichloroethene	94		97		70-130	3		25
1,4-Dichlorobenzene	86		90		70-130	5		20
2-Butanone	84		76		63-138	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		85		70-130
Toluene-d8	101		104		70-130
4-Bromofluorobenzene	88		92		70-130
Dibromofluoromethane	96		98		70-130

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525259
Report Date: 10/08/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1525259-01A	Vial Large Septa unpreserved (4o	A	N/A	5.3	Y	Absent	TCLP-EXT-ZHE(14)
L1525259-01Y	Vial unpreserved split	A	N/A	5.3	Y	Absent	TCLP-VOA(14)
L1525259-01Z	Vial unpreserved split	A	N/A	5.3	Y	Absent	TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name:	RSL1501	**Lab Number:**	L1525259
Project Number:	RSL1501	**Report Date:**	10/08/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1525259
Project Number:	RSL1501	**Report Date:**	10/08/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1525259
Project Number:	RSL1501	**Report Date:**	10/08/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1525259 ER 10/7/15

ALPHA — NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/2/15

ALPHA Job #: L1524911

Client Information
Client: P W Grosser
Address: 630 J.
Phone: (631) 589-6353
Fax:
Email:

Project Information
Project Name: RSL 1501
Project Location: Island Hills Golf Course
Project #
(Use Project name as Project #) ☐
Project Manager: Bryan Devereaux
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

25259-01

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Disch

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility
☐ NJ ☐ NY
Other:

TCLP-8260

ANALYSIS
VOCs, SVOCs, TCLP Metals, Hg, TAL Metals

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	TCLP Metals	Hg	TAL Metals	Sample Specific Comments	Total Bottles
24911-01	SSD1	10/2	0850	soil		✓	✓	✓				2
02	SSD3		0920			✓	✓	✓		X		2
03	SSD5		1030			✓	✓	✓	✓			2
04	SSD6		1120			✓	✓	✓				2
05	SD-4		1220			✓	✓	✓				2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	A	A	A	
Preservative	A	A	A	A	

Relinquished By:	Date/Time	Received By:	Date/Time
	10/2 13:04		10/2/15 13:04
	10/2/15 1840		10-2-15 1841
	10/2/15 2330		10/2/15 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1525184
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Bryan Devaux
Phone:	(631) 589-6353
Project Name:	RSL1501
Project Number:	RSL1501
Report Date:	10/13/15

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1525184-01	UST-EP-1	SOIL	ISLAND HILLS GOLF CLUB	10/06/15 11:15	10/06/15
L1525184-02	SD-4	SOIL	ISLAND HILLS GOLF CLUB	10/06/15 12:10	10/06/15
L1525184-03	SD-3	SOIL	ISLAND HILLS GOLF CLUB	10/06/15 12:00	10/06/15

Project Name: RSL1501 **Lab Number:** L1525184
Project Number: RSL1501 **Report Date:** 10/13/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: RSL1501 **Lab Number:** L1525184
Project Number: RSL1501 **Report Date:** 10/13/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kara Lindquist

Title: Technical Director/Representative Date: 10/13/15

ORGANICS

VOLATILES

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-01
Client ID: UST-EP-1
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/11/15 12:00
Analyst: BN
Percent Solids: 100%

Date Collected: 10/06/15 11:15
Date Received: 10/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.6	J	ug/kg	9.5	1.0	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.95	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.22	1
Dibromochloromethane	ND		ug/kg	0.95	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.95	0.13	1
Chlorobenzene	ND		ug/kg	0.95	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.37	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	0.10	1
Bromodichloromethane	ND		ug/kg	0.95	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.95	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.13	1
Bromoform	ND		ug/kg	3.8	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	0.10	1
Benzene	ND		ug/kg	0.95	0.11	1
Toluene	0.79	J	ug/kg	1.4	0.18	1
Ethylbenzene	0.25	J	ug/kg	0.95	0.12	1
Chloromethane	ND		ug/kg	4.7	0.28	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.95	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.14	1

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-01 Date Collected: 10/06/15 11:15

Client ID: UST-EP-1 Date Received: 10/06/15

Sample Location: ISLAND HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.08	1
p/m-Xylene	0.98	J	ug/kg	1.9	0.19	1
o-Xylene	0.24	J	ug/kg	1.9	0.16	1
Xylenes, Total	1.2	J	ug/kg	1.9	0.16	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.14	1
Dibromomethane	ND		ug/kg	9.5	0.15	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.18	1
Acetone	ND		ug/kg	9.5	0.98	1
Carbon disulfide	ND		ug/kg	9.5	1.0	1
2-Butanone	ND		ug/kg	9.5	0.26	1
Vinyl acetate	ND		ug/kg	9.5	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.5	0.15	1
2-Hexanone	ND		ug/kg	9.5	0.63	1
Bromochloromethane	ND		ug/kg	4.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	0.95	0.11	1
sec-Butylbenzene	ND		ug/kg	0.95	0.12	1
tert-Butylbenzene	ND		ug/kg	4.7	0.13	1
o-Chlorotoluene	ND		ug/kg	4.7	0.15	1
p-Chlorotoluene	ND		ug/kg	4.7	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.22	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.12	1
Naphthalene	ND		ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.5	0.49	1
n-Propylbenzene	ND		ug/kg	0.95	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.14	1

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-01 Date Collected: 10/06/15 11:15

Client ID: UST-EP-1 Date Received: 10/06/15

Sample Location: ISLAND HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.13	1
1,4-Dioxane	ND		ug/kg	95	14.	1
Freon-113	ND		ug/kg	19	0.26	1
p-Diethylbenzene	ND		ug/kg	3.8	0.15	1
p-Ethyltoluene	ND		ug/kg	3.8	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-02
Client ID: SD-4
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/15 15:05
Analyst: BN
Percent Solids: 90%

Date Collected: 10/06/15 12:10
Date Received: 10/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.10	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-02 Date Collected: 10/06/15 12:10

Client ID: SD-4 Date Received: 10/06/15

Sample Location: ISLAND HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-02 Date Collected: 10/06/15 12:10

Client ID: SD-4 Date Received: 10/06/15

Sample Location: ISLAND HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-03
Client ID: SD-3
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/15 15:31
Analyst: BN
Percent Solids: 86%

Date Collected: 10/06/15 12:00
Date Received: 10/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-03 Date Collected: 10/06/15 12:00

Client ID: SD-3 Date Received: 10/06/15

Sample Location: ISLAND HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	ND		ug/kg	12	1.2	1
2-Butanone	ND		ug/kg	12	0.32	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.8	0.16	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
Freon-113	ND		ug/kg	23	0.32	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-03 Date Collected: 10/06/15 12:00

Client ID: SD-3 Date Received: 10/06/15

Sample Location: ISLAND HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/15 10:43
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG829976-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/15 10:43
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG829976-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/15 10:43
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG829976-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/15 08:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG830283-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/15 08:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG830283-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/15 08:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG830283-3					
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG829976-1 WG829976-2								
Methylene chloride	96		96		70-130	0		30
1,1-Dichloroethane	106		101		70-130	5		30
Chloroform	112		106		70-130	6		30
Carbon tetrachloride	121		103		70-130	16		30
1,2-Dichloropropane	102		99		70-130	3		30
Dibromochloromethane	106		106		70-130	0		30
2-Chloroethylvinyl ether	96		98		70-130	2		30
1,1,2-Trichloroethane	100		100		70-130	0		30
Tetrachloroethene	106		95		70-130	11		30
Chlorobenzene	102		99		70-130	3		30
Trichlorofluoromethane	120		99		70-139	19		30
1,2-Dichloroethane	116		112		70-130	4		30
1,1,1-Trichloroethane	119		105		70-130	13		30
Bromodichloromethane	110		107		70-130	3		30
trans-1,3-Dichloropropene	107		106		70-130	1		30
cis-1,3-Dichloropropene	105		103		70-130	2		30
1,1-Dichloropropene	112		98		70-130	13		30
Bromoform	94		96		70-130	2		30
1,1,2,2-Tetrachloroethane	91		96		70-130	5		30
Benzene	102		97		70-130	5		30
Toluene	101		95		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG829976-1 WG829976-2								
Ethylbenzene	108		99		70-130	9		30
Chloromethane	98		91		52-130	7		30
Bromomethane	111		100		57-147	10		30
Vinyl chloride	105		91		67-130	14		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	103		90		65-135	13		30
trans-1,2-Dichloroethene	101		94		70-130	7		30
Trichloroethene	109		101		70-130	8		30
1,2-Dichlorobenzene	99		100		70-130	1		30
1,3-Dichlorobenzene	101		100		70-130	1		30
1,4-Dichlorobenzene	100		100		70-130	0		30
Methyl tert butyl ether	102		102		66-130	0		30
p/m-Xylene	107		101		70-130	6		30
o-Xylene	105		100		70-130	5		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	105		103		70-130	2		30
Styrene	108		104		70-130	4		30
Dichlorodifluoromethane	114		92		30-146	21		30
Acetone	95		94		54-140	1		30
Carbon disulfide	96		87		59-130	10		30
2-Butanone	95		99		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG829976-1 WG829976-2								
Vinyl acetate	102		100		70-130	2		30
4-Methyl-2-pentanone	90		91		70-130	1		30
1,2,3-Trichloropropane	98		100		68-130	2		30
2-Hexanone	93		96		70-130	3		30
Bromochloromethane	103		103		70-130	0		30
2,2-Dichloropropane	118		104		70-130	13		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	102		102		69-130	0		30
1,1,1,2-Tetrachloroethane	109		106		70-130	3		30
Bromobenzene	94		95		70-130	1		30
n-Butylbenzene	108		99		70-130	9		30
sec-Butylbenzene	105		96		70-130	9		30
tert-Butylbenzene	102		96		70-130	6		30
o-Chlorotoluene	104		100		70-130	4		30
p-Chlorotoluene	103		101		70-130	2		30
1,2-Dibromo-3-chloropropane	82		86		68-130	5		30
Hexachlorobutadiene	105		94		67-130	11		30
Isopropylbenzene	111		101		70-130	9		30
p-Isopropyltoluene	104		97		70-130	7		30
Naphthalene	92		94		70-130	2		30
Acrylonitrile	91		92		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG829976-1 WG829976-2								
Isopropyl Ether	100		99		66-130	1		30
tert-Butyl Alcohol	90		94		70-130	4		30
n-Propylbenzene	101		96		70-130	5		30
1,2,3-Trichlorobenzene	98		98		70-130	0		30
1,2,4-Trichlorobenzene	99		100		70-130	1		30
1,3,5-Trimethylbenzene	104		99		70-130	5		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
Methyl Acetate	97		99		51-146	2		30
Ethyl Acetate	93		95		70-130	2		30
Acrolein	86		89		70-130	3		30
Cyclohexane	107		90		59-142	17		30
1,4-Dioxane	94		97		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		93		50-139	17		30
p-Diethylbenzene	117		107		70-130	9		30
p-Ethyltoluene	115		106		70-130	8		30
1,2,4,5-Tetramethylbenzene	114		108		70-130	5		30
Tetrahydrofuran	94		100		66-130	6		30
Ethyl ether	94		96		67-130	2		30
trans-1,4-Dichloro-2-butene	105		107		70-130	2		30
Methyl cyclohexane	106		89		70-130	17		30
Ethyl-Tert-Butyl-Ether	103		102		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG829976-1 WG829976-2								
Tertiary-Amyl Methyl Ether	101		101		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		111		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	108		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG830283-1 WG830283-2								
Methylene chloride	104		103		70-130	1		30
1,1-Dichloroethane	106		106		70-130	0		30
Chloroform	109		107		70-130	2		30
Carbon tetrachloride	116		111		70-130	4		30
1,2-Dichloropropane	105		106		70-130	1		30
Dibromochloromethane	103		104		70-130	1		30
2-Chloroethylvinyl ether	88		86		70-130	2		30
1,1,2-Trichloroethane	102		106		70-130	4		30
Tetrachloroethene	107		106		70-130	1		30
Chlorobenzene	105		103		70-130	2		30
Trichlorofluoromethane	119		111		70-139	7		30
1,2-Dichloroethane	111		110		70-130	1		30
1,1,1-Trichloroethane	115		108		70-130	6		30
Bromodichloromethane	111		108		70-130	3		30
trans-1,3-Dichloropropene	106		105		70-130	1		30
cis-1,3-Dichloropropene	106		106		70-130	0		30
1,1-Dichloropropene	111		106		70-130	5		30
Bromoform	98		102		70-130	4		30
1,1,2,2-Tetrachloroethane	97		96		70-130	1		30
Benzene	106		106		70-130	0		30
Toluene	104		101		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG830283-1 WG830283-2								
Ethylbenzene	107		104		70-130	3		30
Chloromethane	109		107		52-130	2		30
Bromomethane	105		99		57-147	6		30
Vinyl chloride	112		106		67-130	6		30
Chloroethane	120		112		50-151	7		30
1,1-Dichloroethene	111		105		65-135	6		30
trans-1,2-Dichloroethene	109		103		70-130	6		30
Trichloroethene	116		107		70-130	8		30
1,2-Dichlorobenzene	103		104		70-130	1		30
1,3-Dichlorobenzene	106		107		70-130	1		30
1,4-Dichlorobenzene	104		104		70-130	0		30
Methyl tert butyl ether	101		101		66-130	0		30
p/m-Xylene	109		106		70-130	3		30
o-Xylene	107		106		70-130	1		30
cis-1,2-Dichloroethene	106		108		70-130	2		30
Dibromomethane	107		107		70-130	0		30
Styrene	109		108		70-130	1		30
Dichlorodifluoromethane	116		107		30-146	8		30
Acetone	98		104		54-140	6		30
Carbon disulfide	112		106		59-130	6		30
2-Butanone	109		108		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG830283-1 WG830283-2								
Vinyl acetate	108		108		70-130	0		30
4-Methyl-2-pentanone	93		92		70-130	1		30
1,2,3-Trichloropropane	98		101		68-130	3		30
2-Hexanone	87		86		70-130	1		30
Bromochloromethane	109		111		70-130	2		30
2,2-Dichloropropane	116		109		70-130	6		30
1,2-Dibromoethane	103		103		70-130	0		30
1,3-Dichloropropane	103		104		69-130	1		30
1,1,1,2-Tetrachloroethane	105		106		70-130	1		30
Bromobenzene	103		103		70-130	0		30
n-Butylbenzene	110		107		70-130	3		30
sec-Butylbenzene	107		102		70-130	5		30
tert-Butylbenzene	104		101		70-130	3		30
o-Chlorotoluene	106		106		70-130	0		30
p-Chlorotoluene	105		106		70-130	1		30
1,2-Dibromo-3-chloropropane	94		96		68-130	2		30
Hexachlorobutadiene	105		105		67-130	0		30
Isopropylbenzene	103		101		70-130	2		30
p-Isopropyltoluene	108		105		70-130	3		30
Naphthalene	98		98		70-130	0		30
Acrylonitrile	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG830283-1 WG830283-2								
Isopropyl Ether	106		104		66-130	2		30
tert-Butyl Alcohol	97		96		70-130	1		30
n-Propylbenzene	105		104		70-130	1		30
1,2,3-Trichlorobenzene	107		108		70-130	1		30
1,2,4-Trichlorobenzene	107		110		70-130	3		30
1,3,5-Trimethylbenzene	106		105		70-130	1		30
1,2,4-Trimethylbenzene	104		106		70-130	2		30
Methyl Acetate	98		97		51-146	1		30
Ethyl Acetate	99		104		70-130	5		30
Acrolein	103		94		70-130	9		30
Cyclohexane	115		106		59-142	8		30
1,4-Dioxane	92		97		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		107		50-139	11		30
p-Diethylbenzene	106		105		70-130	1		30
p-Ethyltoluene	105		104		70-130	1		30
1,2,4,5-Tetramethylbenzene	103		105		70-130	2		30
Tetrahydrofuran	117		100		66-130	16		30
Ethyl ether	104		102		67-130	2		30
trans-1,4-Dichloro-2-butene	109		108		70-130	1		30
Methyl cyclohexane	114		104		70-130	9		30
Ethyl-Tert-Butyl-Ether	104		103		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG830283-1 WG830283-2								
Tertiary-Amyl Methyl Ether	102		101		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		102		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-01
Client ID: UST-EP-1
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/09/15 01:36
Analyst: PS
Percent Solids: 100%

Date Collected: 10/06/15 11:15
Date Received: 10/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/07/15 17:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
Fluoranthene	ND		ug/kg	100	31.	1
Naphthalene	ND		ug/kg	170	55.	1
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	88		30-120
4-Terphenyl-d14	93		18-120

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-02
Client ID: SD-4
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/09/15 02:02
Analyst: PS
Percent Solids: 90%

Date Collected: 10/06/15 12:10
Date Received: 10/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/07/15 17:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Fluoranthene	ND		ug/kg	110	33.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		30-120
4-Terphenyl-d14	64		18-120

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-03
Client ID: SD-3
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/09/15 02:27
Analyst: PS
Percent Solids: 86%

Date Collected: 10/06/15 12:00
Date Received: 10/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/07/15 17:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Fluoranthene	89	J	ug/kg	110	35.	1
Benzo(a)anthracene	41	J	ug/kg	110	37.	1
Benzo(a)pyrene	53	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	75	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	56	J	ug/kg	110	38.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	40	J	ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	42	J	ug/kg	150	42.	1
Pyrene	80	J	ug/kg	110	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	67		18-120

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/08/15 09:08
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 10/07/15 17:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG828770-1					
Acenaphthene	ND		ug/kg	130	33.
Fluoranthene	ND		ug/kg	97	30.
Naphthalene	ND		ug/kg	160	54.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	62		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG828770-2 WG828770-3								
Acenaphthene	76		69		31-137	10		50
1,2,4-Trichlorobenzene	70		68		38-107	3		50
Hexachlorobenzene	78		70		40-140	11		50
Bis(2-chloroethyl)ether	71		70		40-140	1		50
2-Chloronaphthalene	79		75		40-140	5		50
1,2-Dichlorobenzene	67		68		40-140	1		50
1,3-Dichlorobenzene	61		68		40-140	11		50
1,4-Dichlorobenzene	63		69		28-104	9		50
3,3'-Dichlorobenzidine	68		60		40-140	13		50
2,4-Dinitrotoluene	82		71		28-89	14		50
2,6-Dinitrotoluene	84		78		40-140	7		50
Fluoranthene	81		69		40-140	16		50
4-Chlorophenyl phenyl ether	78		70		40-140	11		50
4-Bromophenyl phenyl ether	80		72		40-140	11		50
Bis(2-chloroisopropyl)ether	74		70		40-140	6		50
Bis(2-chloroethoxy)methane	80		78		40-117	3		50
Hexachlorobutadiene	69		65		40-140	6		50
Hexachlorocyclopentadiene	65		59		40-140	10		50
Hexachloroethane	62		67		40-140	8		50
Isophorone	84		80		40-140	5		50
Naphthalene	71		69		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501

Project Number: RSL1501

Lab Number: L1525184

Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG828770-2 WG828770-3								
Nitrobenzene	71		68		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	81		71		36-157	13		50
n-Nitrosodi-n-propylamine	80		75		32-121	6		50
Bis(2-Ethylhexyl)phthalate	86		75		40-140	14		50
Butyl benzyl phthalate	79		67		40-140	16		50
Di-n-butylphthalate	79		68		40-140	15		50
Di-n-octylphthalate	86		75		40-140	14		50
Diethyl phthalate	80		71		40-140	12		50
Dimethyl phthalate	76		67		40-140	13		50
Benzo(a)anthracene	81		72		40-140	12		50
Benzo(a)pyrene	83		72		40-140	14		50
Benzo(b)fluoranthene	83		73		40-140	13		50
Benzo(k)fluoranthene	82		69		40-140	17		50
Chrysene	80		70		40-140	13		50
Acenaphthylene	80		74		40-140	8		50
Anthracene	77		67		40-140	14		50
Benzo(ghi)perylene	82		71		40-140	14		50
Fluorene	77		69		40-140	11		50
Phenanthrene	78		66		40-140	17		50
Dibenzo(a,h)anthracene	86		73		40-140	16		50
Indeno(1,2,3-cd)Pyrene	84		73		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG828770-2 WG828770-3								
Pyrene	79		68		35-142	15		50
Biphenyl	78		73		54-104	7		50
4-Chloroaniline	84		80		40-140	5		50
2-Nitroaniline	86		76		47-134	12		50
3-Nitroaniline	73		66		26-129	10		50
4-Nitroaniline	80		70		41-125	13		50
Dibenzofuran	75		68		40-140	10		50
2-Methylnaphthalene	76		73		40-140	4		50
1,2,4,5-Tetrachlorobenzene	73		70		40-117	4		50
Acetophenone	81		80		14-144	1		50
2,4,6-Trichlorophenol	83		78		30-130	6		50
P-Chloro-M-Cresol	85		78		26-103	9		50
2-Chlorophenol	78		77		25-102	1		50
2,4-Dichlorophenol	79		76		30-130	4		50
2,4-Dimethylphenol	84		80		30-130	5		50
2-Nitrophenol	79		76		30-130	4		50
4-Nitrophenol	80		71		11-114	12		50
2,4-Dinitrophenol	57		49		4-130	15		50
4,6-Dinitro-o-cresol	78		68		10-130	14		50
Pentachlorophenol	69		60		17-109	14		50
Phenol	78		78		26-90	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG828770-2 WG828770-3								
2-Methylphenol	82		79		30-130.	4		50
3-Methylphenol/4-Methylphenol	86		82		30-130	5		50
2,4,5-Trichlorophenol	82		76		30-130	8		50
Benzoic Acid	29		28		10-66	4		50
Benzyl Alcohol	80		77		40-140	4		50
Carbazole	84		73		54-128	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		71		25-120
Phenol-d6	77		75		10-120
Nitrobenzene-d5	72		69		23-120
2-Fluorobiphenyl	75		71		30-120
2,4,6-Tribromophenol	81		69		10-136
4-Terphenyl-d14	76		63		18-120

METALS

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-02 Date Collected: 10/06/15 12:10

Client ID: SD-4 Date Received: 10/06/15

Sample Location: ISLAND HILLS GOLF CLUB Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.3		mg/kg	0.43	0.09	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Barium, Total	3.8		mg/kg	0.43	0.13	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.22	0.04	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.43	0.03	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Chromium, Total	2.3		mg/kg	0.43	0.09	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Copper, Total	1.4		mg/kg	0.43	0.09	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Mercury, Total	0.08		mg/kg	0.07	0.02	1	10/07/15 08:05	10/07/15 15:27	EPA 7471B	1,7471B	DB
Nickel, Total	0.45	J	mg/kg	1.1	0.17	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	0.87	0.13	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.43	0.09	1	10/07/15 18:26	10/10/15 02:32	EPA 3050B	1,6010C	TT

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-03 Date Collected: 10/06/15 12:00

Client ID: SD-3 Date Received: 10/06/15

Sample Location: ISLAND HILLS GOLF CLUB Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.47		mg/kg	0.45	0.09	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Barium, Total	3.7		mg/kg	0.45	0.13	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.22	0.05	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.45	0.03	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Chromium, Total	1.4		mg/kg	0.45	0.09	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Copper, Total	2.3		mg/kg	0.45	0.09	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Lead, Total	1.0	J	mg/kg	2.2	0.09	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	10/07/15 08:05	10/07/15 15:29	EPA 7471B	1,7471B	DB
Nickel, Total	0.77	J	mg/kg	1.1	0.18	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	0.89	0.13	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.45	0.09	1	10/07/15 18:26	10/10/15 02:36	EPA 3050B	1,6010C	TT

Project Name: RSL1501 **Lab Number:** L1525184

Project Number: RSL1501 **Report Date:** 10/13/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03 Batch: WG828489-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/07/15 08:05	10/07/15 15:00	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03 Batch: WG828754-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	10/07/15 18:26	10/10/15 00:18	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03 Batch: WG828489-2 SRM Lot Number: D088-540								
Mercury, Total	92		-		72-128	-		
Total Metals - Westborough Lab Associated sample(s): 02-03 Batch: WG828754-2 SRM Lot Number: D088-540								
Arsenic, Total	96		-		79-121	-		
Barium, Total	88		-		83-117	-		
Beryllium, Total	90		-		83-117	-		
Cadmium, Total	93		-		83-117	-		
Chromium, Total	90		-		80-120	-		
Copper, Total	90		-		81-118	-		
Lead, Total	82		-		81-117	-		
Nickel, Total	92		-		83-117	-		
Selenium, Total	91		-		78-122	-		
Silver, Total	91		-		75-124	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG828489-4 QC Sample: L1525141-01 Client ID: MS Sample												
Mercury, Total	0.17	0.144	0.27	**69**	Q	-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG828754-3 WG828754-4 QC Sample: L1525156-01 Client ID: MS Sample												
Arsenic, Total	9.1	10.6	20	103		19	90		75-125	5		20
Barium, Total	500	176	770	**153**	Q	670	93		75-125	14		20
Beryllium, Total	0.63	4.41	4.6	90		4.7	89		75-125	2		20
Cadmium, Total	0.31J	4.5	4.2	93		4.4	95		75-125	5		20
Chromium, Total	47.	17.6	62	85		54	**38**	Q	75-125	14		20
Copper, Total	62.	22.1	65	**14**	Q	62	**0**	Q	75-125	5		20
Lead, Total	160	45	240	**178**	Q	200	86		75-125	18		20
Nickel, Total	16.	44.1	53	84		54	83		75-125	2		20
Selenium, Total	ND	10.6	8.0	76		8.8	80		75-125	10		20
Silver, Total	ND	26.5	23	87		25	91		75-125	8		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG828489-3 QC Sample: L1525141-01 Client ID: DUP Sample						
Mercury, Total	0.17	2.8	mg/kg	**177**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-01
Client ID: UST-EP-1
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil

Date Collected: 10/06/15 11:15
Date Received: 10/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.7		%	0.100	NA	1	-	10/07/15 00:35	30,2540G	RT

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-02
Client ID: SD-4
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil

Date Collected: 10/06/15 12:10
Date Received: 10/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	10/07/15 00:35	30,2540G	RT

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

SAMPLE RESULTS

Lab ID: L1525184-03
Client ID: SD-3
Sample Location: ISLAND HILLS GOLF CLUB
Matrix: Soil

Date Collected: 10/06/15 12:00
Date Received: 10/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	10/07/15 00:35	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG828452-1 QC Sample: L1525079-01 Client ID: DUP Sample						
Solids, Total	92.2	92.8	%	1		20

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525184
Report Date: 10/13/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1525184-01A	Vial MeOH preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1525184-01B	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1525184-01C	Vial water preserved	A	N/A	3.1	Y	Absent	NYTCL-8260HLW(14)
L1525184-01D	Plastic 2oz unpreserved for TS	A	N/A	3.1	Y	Absent	TS(7)
L1525184-01E	Glass 120ml/4oz unpreserved	A	N/A	3.1	Y	Absent	NYTCL-8270(14)
L1525184-02A	Vial Large Septa unpreserved (4o	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1525184-02B	Glass 120ml/4oz unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1525184-02X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1525184-03A	Vial Large Septa unpreserved (4o	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1525184-03B	Glass 120ml/4oz unpreserved	A	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1525184-03X	Vial MeOH preserved split	A	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	RSL1501	**Lab Number:**	L1525184
Project Number:	RSL1501	**Report Date:**	10/13/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1525184
Project Number:	RSL1501	**Report Date:**	10/13/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1525184
Project Number:	RSL1501	**Report Date:**	10/13/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/6/15

ALPHA Job #: L1525184

Client Information

Client: PWGC
Address: 630 Johnson Ave
Bohemia, NY
Phone: 631-589-6353
Fax:
Email: brigan@pwgroup.com

Project Information

Project Name: KSL 1501
Project Location: Island Hills Golf Club
Project #: KSL 1501
(Use Project name as Project #) [X]
Project Manager: Ryan Deveaux
ALPHAQuote #:

Turn-Around Time

Standard [ ] Due Date:
Rush (only if pre approved) [X] # of Days: 5

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information

[X] Same as Client Info
PO #

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
[ ] NJ [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	CP-51 VOCs 8260	CP-51 SVOCs 8270	SCDHS VOCs	SCDHS SVOCs	SCDHS Metals				Sample Specific Comments
25184-01	UST-EP-1	10-6-15	1115	S		X	X							
-02	SD-4		1210	S				X	X	X				
-03	SD-3		1200	S				X	X	X				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	10/6/15 14:45	Daniel Fischer AAL	10/6/15 14:45
Daniel Fischer AAL	10/6/15 1750		10-6-15 1750
	10/6/15 22:50	Richard Dell	10/6/15 22:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1525337
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Bryan Devaux
Phone:	(631) 589-6353
Project Name:	RSL 1501
Project Number:	RSL1501
Report Date:	10/14/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1525337-01	SS-3-UIC-001	SOIL	PINE HILLS GOLF CLUB	10/07/15 09:50	10/07/15
L1525337-02	SS-3-UIC-002	SOIL	PINE HILLS GOLF CLUB	10/07/15 10:15	10/07/15
L1525337-03	SS-3-UIC-001 LIQUID	WATER	PINE HILLS GOLF CLUB	10/07/15 09:50	10/07/15
L1525337-04	SS-3-UIC-002 LIQUID	WATER	PINE HILLS GOLF CLUB	10/07/15 10:15	10/07/15
L1525337-05	PIT-1	SOIL	PINE HILLS GOLF CLUB	10/07/15 11:00	10/07/15
L1525337-06	SS-3	WATER	PINE HILLS GOLF CLUB	10/07/15 10:30	10/07/15
L1525337-07	SS-6	SOIL	PINE HILLS GOLF CLUB	10/07/15 11:10	10/07/15
L1525337-08	SS3-UIC-003-LIQUID	WATER	PINE HILLS GOLF CLUB	10/07/15 13:00	10/07/15
L1525337-09	SS3-UIC-003	SOIL	PINE HILLS GOLF CLUB	10/07/15 13:20	10/07/15

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: RSL 1501 **Lab Number:** L1525337
Project Number: RSL1501 **Report Date:** 10/14/15

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued earlier today and includes the results of all requested analyses.

The previously-issued partial report replaced the partial report issued October 9, 2015, and included the Volatile Organics results on L1525337-05 and -07.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 10/14/15

ORGANICS

VOLATILES

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-01
Client ID: SS-3-UIC-001
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/09/15 08:15
Analyst: MM
Percent Solids: 29%
TCLP/SPLP Ext. Date: 10/08/15 11:06

Date Collected: 10/07/15 09:50
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	54		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	102		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-01
Client ID: SS-3-UIC-001
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/08/15 16:58
Analyst: BN
Percent Solids: 29%

Date Collected: 10/07/15 09:50
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	35	3.9	1
1,1-Dichloroethane	ND		ug/kg	5.2	0.30	1
Chloroform	ND		ug/kg	5.2	1.3	1
Carbon tetrachloride	ND		ug/kg	3.5	0.73	1
1,2-Dichloropropane	ND		ug/kg	12	0.80	1
Dibromochloromethane	ND		ug/kg	3.5	0.54	1
1,1,2-Trichloroethane	ND		ug/kg	5.2	1.1	1
Tetrachloroethene	ND		ug/kg	3.5	0.49	1
Chlorobenzene	710		ug/kg	3.5	1.2	1
Trichlorofluoromethane	ND		ug/kg	17	1.4	1
1,2-Dichloroethane	ND		ug/kg	3.5	0.40	1
1,1,1-Trichloroethane	ND		ug/kg	3.5	0.39	1
Bromodichloromethane	ND		ug/kg	3.5	0.60	1
trans-1,3-Dichloropropene	ND		ug/kg	3.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	3.5	0.41	1
1,3-Dichloropropene, Total	ND		ug/kg	3.5	0.41	1
1,1-Dichloropropene	ND		ug/kg	17	0.49	1
Bromoform	ND		ug/kg	14	0.82	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.5	0.35	1
Benzene	3.4	J	ug/kg	3.5	0.41	1
Toluene	16		ug/kg	5.2	0.68	1
Ethylbenzene	13		ug/kg	3.5	0.44	1
Chloromethane	ND		ug/kg	17	1.0	1
Bromomethane	ND		ug/kg	7.0	1.2	1
Vinyl chloride	ND		ug/kg	7.0	0.41	1
Chloroethane	ND		ug/kg	7.0	1.1	1
1,1-Dichloroethene	ND		ug/kg	3.5	0.92	1
trans-1,2-Dichloroethene	ND		ug/kg	5.2	0.74	1
Trichloroethene	ND		ug/kg	3.5	0.44	1
1,2-Dichlorobenzene	54		ug/kg	17	0.54	1

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-01 Date Collected: 10/07/15 09:50

Client ID: SS-3-UIC-001 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	3.9	J	ug/kg	17	0.47	1
1,4-Dichlorobenzene	64		ug/kg	17	0.48	1
Methyl tert butyl ether	ND		ug/kg	7.0	0.30	1
p/m-Xylene	36		ug/kg	7.0	0.69	1
o-Xylene	12		ug/kg	7.0	0.60	1
Xylenes, Total	48		ug/kg	7.0	0.60	1
cis-1,2-Dichloroethene	ND		ug/kg	3.5	0.50	1
1,2-Dichloroethene, Total	ND		ug/kg	3.5	0.50	1
Dibromomethane	ND		ug/kg	35	0.57	1
Styrene	ND		ug/kg	7.0	1.4	1
Dichlorodifluoromethane	ND		ug/kg	35	0.67	1
Acetone	220		ug/kg	35	3.6	1
Carbon disulfide	8.4	J	ug/kg	35	3.8	1
2-Butanone	56		ug/kg	35	0.95	1
Vinyl acetate	ND		ug/kg	35	0.46	1
4-Methyl-2-pentanone	ND		ug/kg	35	0.85	1
1,2,3-Trichloropropane	ND		ug/kg	35	0.57	1
2-Hexanone	ND		ug/kg	35	2.3	1
Bromochloromethane	ND		ug/kg	17	0.96	1
2,2-Dichloropropane	ND		ug/kg	17	0.79	1
1,2-Dibromoethane	ND		ug/kg	14	0.61	1
1,3-Dichloropropane	ND		ug/kg	17	0.51	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.5	1.1	1
Bromobenzene	ND		ug/kg	17	0.73	1
n-Butylbenzene	3.5		ug/kg	3.5	0.40	1
sec-Butylbenzene	2.3	J	ug/kg	3.5	0.43	1
tert-Butylbenzene	ND		ug/kg	17	0.47	1
o-Chlorotoluene	2.1	J	ug/kg	17	0.56	1
p-Chlorotoluene	ND		ug/kg	17	0.46	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	17	1.4	1
Hexachlorobutadiene	ND		ug/kg	17	0.80	1
Isopropylbenzene	1.2	J	ug/kg	3.5	0.36	1
p-Isopropyltoluene	10		ug/kg	3.5	0.44	1
Naphthalene	9.7	J	ug/kg	17	0.48	1
Acrylonitrile	ND		ug/kg	35	1.8	1
n-Propylbenzene	3.8		ug/kg	3.5	0.38	1
1,2,3-Trichlorobenzene	4.1	J	ug/kg	17	0.52	1
1,2,4-Trichlorobenzene	3.8	J	ug/kg	17	0.64	1
1,3,5-Trimethylbenzene	7.4	J	ug/kg	17	0.50	1

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-01 Date Collected: 10/07/15 09:50

Client ID: SS-3-UIC-001 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	17		ug/kg	17	0.49	1
1,4-Dioxane	ND		ug/kg	350	50.	1
p-Diethylbenzene	14		ug/kg	14	0.56	1
p-Ethyltoluene	7.3	J	ug/kg	14	0.43	1
1,2,4,5-Tetramethylbenzene	5.1	J	ug/kg	14	0.46	1
Ethyl ether	ND		ug/kg	17	0.91	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	17	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	103		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-02
Client ID: SS-3-UIC-002
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/09/15 08:47
Analyst: MM
Percent Solids: 29%
TCLP/SPLP Ext. Date: 10/08/15 11:06

Date Collected: 10/07/15 10:15
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	110		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	6.4	J	ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-02 D
Client ID: SS-3-UIC-002
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/08/15 17:29
Analyst: BN
Percent Solids: 29%

Date Collected: 10/07/15 10:15
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1700	190	50
1,1-Dichloroethane	ND		ug/kg	260	15.	50
Chloroform	ND		ug/kg	260	64.	50
Carbon tetrachloride	ND		ug/kg	170	36.	50
1,2-Dichloropropane	ND		ug/kg	600	39.	50
Dibromochloromethane	ND		ug/kg	170	26.	50
1,1,2-Trichloroethane	ND		ug/kg	260	52.	50
Tetrachloroethene	ND		ug/kg	170	24.	50
Chlorobenzene	9700		ug/kg	170	60.	50
Trichlorofluoromethane	ND		ug/kg	860	67.	50
1,2-Dichloroethane	ND		ug/kg	170	20.	50
1,1,1-Trichloroethane	ND		ug/kg	170	19.	50
Bromodichloromethane	ND		ug/kg	170	30.	50
trans-1,3-Dichloropropene	ND		ug/kg	170	21.	50
cis-1,3-Dichloropropene	ND		ug/kg	170	20.	50
1,3-Dichloropropene, Total	ND		ug/kg	170	20.	50
1,1-Dichloropropene	ND		ug/kg	860	24.	50
Bromoform	ND		ug/kg	690	41.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	170	17.	50
Benzene	130	J	ug/kg	170	20.	50
Toluene	88	J	ug/kg	260	34.	50
Ethylbenzene	150	J	ug/kg	170	22.	50
Chloromethane	ND		ug/kg	860	51.	50
Bromomethane	ND		ug/kg	340	58.	50
Vinyl chloride	ND		ug/kg	340	20.	50
Chloroethane	ND		ug/kg	340	54.	50
1,1-Dichloroethene	ND		ug/kg	170	45.	50
trans-1,2-Dichloroethene	ND		ug/kg	260	36.	50
Trichloroethene	ND		ug/kg	170	22.	50
1,2-Dichlorobenzene	1900		ug/kg	860	26.	50

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-02 D Date Collected: 10/07/15 10:15

Client ID: SS-3-UIC-002 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	250	J	ug/kg	860	23.	50
1,4-Dichlorobenzene	1000		ug/kg	860	24.	50
Methyl tert butyl ether	ND		ug/kg	340	14.	50
p/m-Xylene	530		ug/kg	340	34.	50
o-Xylene	120	J	ug/kg	340	30.	50
Xylenes, Total	650	J	ug/kg	340	30.	50
cis-1,2-Dichloroethene	ND		ug/kg	170	25.	50
1,2-Dichloroethene, Total	ND		ug/kg	170	25.	50
Dibromomethane	ND		ug/kg	1700	28.	50
Styrene	ND		ug/kg	340	69.	50
Dichlorodifluoromethane	ND		ug/kg	1700	33.	50
Acetone	650	J	ug/kg	1700	180	50
Carbon disulfide	ND		ug/kg	1700	190	50
2-Butanone	ND		ug/kg	1700	47.	50
Vinyl acetate	ND		ug/kg	1700	23.	50
4-Methyl-2-pentanone	ND		ug/kg	1700	42.	50
1,2,3-Trichloropropane	ND		ug/kg	1700	28.	50
2-Hexanone	ND		ug/kg	1700	110	50
Bromochloromethane	ND		ug/kg	860	48.	50
2,2-Dichloropropane	ND		ug/kg	860	39.	50
1,2-Dibromoethane	ND		ug/kg	690	30.	50
1,3-Dichloropropane	ND		ug/kg	860	25.	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	170	55.	50
Bromobenzene	ND		ug/kg	860	36.	50
n-Butylbenzene	48	J	ug/kg	170	20.	50
sec-Butylbenzene	ND		ug/kg	170	21.	50
tert-Butylbenzene	ND		ug/kg	860	23.	50
o-Chlorotoluene	ND		ug/kg	860	28.	50
p-Chlorotoluene	ND		ug/kg	860	23.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	860	68.	50
Hexachlorobutadiene	ND		ug/kg	860	39.	50
Isopropylbenzene	ND		ug/kg	170	18.	50
p-Isopropyltoluene	370		ug/kg	170	22.	50
Naphthalene	330	J	ug/kg	860	24.	50
Acrylonitrile	ND		ug/kg	1700	89.	50
n-Propylbenzene	ND		ug/kg	170	19.	50
1,2,3-Trichlorobenzene	ND		ug/kg	860	25.	50
1,2,4-Trichlorobenzene	67	J	ug/kg	860	31.	50
1,3,5-Trimethylbenzene	70	J	ug/kg	860	25.	50

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-02 D
Client ID: SS-3-UIC-002
Sample Location: PINE HILLS GOLF CLUB

Date Collected: 10/07/15 10:15
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	150	J	ug/kg	860	24.	50
1,4-Dioxane	ND		ug/kg	17000	2500	50
p-Diethylbenzene	250	J	ug/kg	690	28.	50
p-Ethyltoluene	110	J	ug/kg	690	21.	50
1,2,4,5-Tetramethylbenzene	96	J	ug/kg	690	22.	50
Ethyl ether	ND		ug/kg	860	45.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	860	68.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-05
Client ID: PIT-1
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/15 16:49
Analyst: BN
Percent Solids: 90%

Date Collected: 10/07/15 11:00
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-05 Date Collected: 10/07/15 11:00

Client ID: PIT-1 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.6	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-05 Date Collected: 10/07/15 11:00

Client ID: PIT-1 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-06
Client ID: SS-3
Sample Location: PINE HILLS GOLF CLUB
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/09/15 04:58
Analyst: PK

Date Collected: 10/07/15 10:30
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	28		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	110		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-06 Date Collected: 10/07/15 10:30

Client ID: SS-3 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	24		ug/l	5.0	1.5	1
Carbon disulfide	1.4	J	ug/l	5.0	1.0	1
2-Butanone	4.0	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	2.1	J	ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-06 Date Collected: 10/07/15 10:30

Client ID: SS-3 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	1.1	J	ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-07
Client ID: SS-6
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/15 17:16
Analyst: BN
Percent Solids: 89%

Date Collected: 10/07/15 11:10
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	5.8		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	0.82	J	ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	18		ug/kg	5.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-07 Date Collected: 10/07/15 11:10

Client ID: SS-6 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	3.3		ug/kg	2.2	0.22	1
o-Xylene	1.7	J	ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	3.4	J	ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	2.2		ug/kg	1.1	0.13	1
sec-Butylbenzene	1.2		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	4.0		ug/kg	1.1	0.14	1
Naphthalene	1.2	J	ug/kg	5.6	0.15	1
n-Propylbenzene	1.9		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	5.9		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	12		ug/kg	5.6	0.16	1
p-Diethylbenzene	13		ug/kg	4.5	0.18	1
p-Ethyltoluene	9.2		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	3.0	J	ug/kg	4.5	0.14	1

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-07 Date Collected: 10/07/15 11:10

Client ID: SS-6 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-09
Client ID: SS3-UIC-003
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/09/15 09:19
Analyst: MM
Percent Solids: 60%
TCLP/SPLP Ext. Date: 10/08/15 11:06

Date Collected: 10/07/15 13:20
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	590		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	30		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID:	L1525337-09 D2	Date Collected:	10/07/15 13:20
Client ID:	SS3-UIC-003	Date Received:	10/07/15
Sample Location:	PINE HILLS GOLF CLUB	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/09/15 11:30		
Analyst:	BN		
Percent Solids:	60%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	190000		ug/kg	10000	320	1250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-09 D
Client ID: SS3-UIC-003
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/09/15 09:44
Analyst: BN
Percent Solids: 60%

Date Collected: 10/07/15 13:20
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1700	180	100
1,1-Dichloroethane	ND		ug/kg	250	14.	100
Chloroform	ND		ug/kg	250	62.	100
Carbon tetrachloride	ND		ug/kg	170	35.	100
1,2-Dichloropropane	ND		ug/kg	590	38.	100
Dibromochloromethane	ND		ug/kg	170	26.	100
1,1,2-Trichloroethane	ND		ug/kg	250	51.	100
Tetrachloroethene	ND		ug/kg	170	24.	100
Chlorobenzene	26000		ug/kg	170	58.	100
Trichlorofluoromethane	ND		ug/kg	840	65.	100
1,2-Dichloroethane	ND		ug/kg	170	19.	100
1,1,1-Trichloroethane	ND		ug/kg	170	19.	100
Bromodichloromethane	ND		ug/kg	170	29.	100
trans-1,3-Dichloropropene	ND		ug/kg	170	20.	100
cis-1,3-Dichloropropene	ND		ug/kg	170	20.	100
1,3-Dichloropropene, Total	ND		ug/kg	170	20.	100
1,1-Dichloropropene	ND		ug/kg	840	24.	100
Bromoform	ND		ug/kg	670	40.	100
1,1,2,2-Tetrachloroethane	ND		ug/kg	170	17.	100
Benzene	ND		ug/kg	170	20.	100
Toluene	ND		ug/kg	250	33.	100
Ethylbenzene	290		ug/kg	170	21.	100
Chloromethane	ND		ug/kg	840	49.	100
Bromomethane	ND		ug/kg	340	57.	100
Vinyl chloride	ND		ug/kg	340	20.	100
Chloroethane	ND		ug/kg	340	53.	100
1,1-Dichloroethene	ND		ug/kg	170	44.	100
trans-1,2-Dichloroethene	ND		ug/kg	250	36.	100
Trichloroethene	ND		ug/kg	170	21.	100
1,2-Dichlorobenzene	180000	E	ug/kg	840	26.	100

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-09 D Date Collected: 10/07/15 13:20

Client ID: SS3-UIC-003 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	840	23.	100
1,4-Dichlorobenzene	2400		ug/kg	840	23.	100
Methyl tert butyl ether	ND		ug/kg	340	14.	100
p/m-Xylene	1300		ug/kg	340	33.	100
o-Xylene	350		ug/kg	340	29.	100
Xylenes, Total	1700		ug/kg	340	29.	100
cis-1,2-Dichloroethene	ND		ug/kg	170	24.	100
1,2-Dichloroethene, Total	ND		ug/kg	170	24.	100
Dibromomethane	ND		ug/kg	1700	27.	100
Styrene	ND		ug/kg	340	68.	100
Dichlorodifluoromethane	ND		ug/kg	1700	32.	100
Acetone	320	J	ug/kg	1700	170	100
Carbon disulfide	ND		ug/kg	1700	180	100
2-Butanone	ND		ug/kg	1700	46.	100
Vinyl acetate	ND		ug/kg	1700	22.	100
4-Methyl-2-pentanone	ND		ug/kg	1700	41.	100
1,2,3-Trichloropropane	ND		ug/kg	1700	27.	100
2-Hexanone	ND		ug/kg	1700	110	100
Bromochloromethane	ND		ug/kg	840	46.	100
2,2-Dichloropropane	ND		ug/kg	840	38.	100
1,2-Dibromoethane	ND		ug/kg	670	29.	100
1,3-Dichloropropane	ND		ug/kg	840	24.	100
1,1,1,2-Tetrachloroethane	ND		ug/kg	170	53.	100
Bromobenzene	ND		ug/kg	840	35.	100
n-Butylbenzene	ND		ug/kg	170	19.	100
sec-Butylbenzene	ND		ug/kg	170	20.	100
tert-Butylbenzene	ND		ug/kg	840	23.	100
o-Chlorotoluene	ND		ug/kg	840	27.	100
p-Chlorotoluene	ND		ug/kg	840	22.	100
1,2-Dibromo-3-chloropropane	ND		ug/kg	840	66.	100
Hexachlorobutadiene	ND		ug/kg	840	38.	100
Isopropylbenzene	ND		ug/kg	170	17.	100
p-Isopropyltoluene	ND		ug/kg	170	21.	100
Naphthalene	ND		ug/kg	840	23.	100
Acrylonitrile	ND		ug/kg	1700	86.	100
n-Propylbenzene	ND		ug/kg	170	18.	100
1,2,3-Trichlorobenzene	ND		ug/kg	840	25.	100
1,2,4-Trichlorobenzene	510	J	ug/kg	840	30.	100
1,3,5-Trimethylbenzene	ND		ug/kg	840	24.	100

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-09 D
Client ID: SS3-UIC-003
Sample Location: PINE HILLS GOLF CLUB

Date Collected: 10/07/15 13:20
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	110	J	ug/kg	840	24.	100
1,4-Dioxane	ND		ug/kg	17000	2400	100
p-Diethylbenzene	53	J	ug/kg	670	27.	100
p-Ethyltoluene	100	J	ug/kg	670	21.	100
1,2,4,5-Tetramethylbenzene	24	J	ug/kg	670	22.	100
Ethyl ether	ND		ug/kg	840	44.	100
trans-1,4-Dichloro-2-butene	ND		ug/kg	840	66.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/15 09:49
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG829195-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/15 09:49
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG829195-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/15 09:49
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG829195-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/15 21:37
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG829327-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/15 21:37
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG829327-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/15 21:37
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG829327-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 07:10
Analyst: MM
TCLP/SPLP Extraction Date: 10/08/15 11:06

Extraction Date: 10/08/15 11:06

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-02,09 Batch: WG829353-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.70
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	100		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 08:51
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG829439-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	0.37	J	ug/kg	5.0	0.29
Bromomethane	0.73	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 08:51
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG829439-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 08:51
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG829439-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/15 08:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG830283-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/15 08:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG830283-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/15 08:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG830283-3					
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG829195-1 WG829195-2								
Methylene chloride	102		104		70-130	2		30
1,1-Dichloroethane	104		105		70-130	1		30
Chloroform	104		105		70-130	1		30
Carbon tetrachloride	106		108		70-130	2		30
1,2-Dichloropropane	104		106		70-130	2		30
Dibromochloromethane	94		104		70-130	10		30
2-Chloroethylvinyl ether	**259**	Q	**281**	Q	70-130	8		30
1,1,2-Trichloroethane	94		103		70-130	9		30
Tetrachloroethene	95		104		70-130	9		30
Chlorobenzene	101		103		70-130	2		30
Trichlorofluoromethane	106		110		70-139	4		30
1,2-Dichloroethane	103		106		70-130	3		30
1,1,1-Trichloroethane	105		106		70-130	1		30
Bromodichloromethane	101		105		70-130	4		30
trans-1,3-Dichloropropene	94		105		70-130	11		30
cis-1,3-Dichloropropene	101		104		70-130	3		30
1,1-Dichloropropene	105		106		70-130	1		30
Bromoform	95		104		70-130	9		30
1,1,2,2-Tetrachloroethane	100		106		70-130	6		30
Benzene	100		101		70-130	1		30
Toluene	92		100		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG829195-1 WG829195-2								
Ethylbenzene	104		104		70-130	0		30
Chloromethane	114		110		52-130	4		30
Bromomethane	90		93		57-147	3		30
Vinyl chloride	83		82		67-130	1		30
Chloroethane	114		112		50-151	2		30
1,1-Dichloroethene	106		104		65-135	2		30
trans-1,2-Dichloroethene	100		99		70-130	1		30
Trichloroethene	102		104		70-130	2		30
1,2-Dichlorobenzene	99		110		70-130	11		30
1,3-Dichlorobenzene	99		104		70-130	5		30
1,4-Dichlorobenzene	106		104		70-130	2		30
Methyl tert butyl ether	101		105		66-130	4		30
p/m-Xylene	106		105		70-130	1		30
o-Xylene	107		105		70-130	2		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	100		103		70-130	3		30
Styrene	110		106		70-130	4		30
Dichlorodifluoromethane	65		66		30-146	2		30
Acetone	123		133		54-140	8		30
Carbon disulfide	98		92		59-130	6		30
2-Butanone	118		130		70-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG829195-1 WG829195-2								
Vinyl acetate	115		119		70-130	3		30
4-Methyl-2-pentanone	103		110		70-130	7		30
1,2,3-Trichloropropane	105		110		68-130	5		30
2-Hexanone	118		120		70-130	2		30
Bromochloromethane	100		100		70-130	0		30
2,2-Dichloropropane	104		104		70-130	0		30
1,2-Dibromoethane	93		104		70-130	11		30
1,3-Dichloropropane	94		105		69-130	11		30
1,1,1,2-Tetrachloroethane	102		104		70-130	2		30
Bromobenzene	97		101		70-130	4		30
n-Butylbenzene	103		110		70-130	7		30
sec-Butylbenzene	104		107		70-130	3		30
tert-Butylbenzene	101		106		70-130	5		30
o-Chlorotoluene	99		103		70-130	4		30
p-Chlorotoluene	101		103		70-130	2		30
1,2-Dibromo-3-chloropropane	102		123		68-130	19		30
Hexachlorobutadiene	106		114		67-130	7		30
Isopropylbenzene	107		106		70-130	1		30
p-Isopropyltoluene	102		107		70-130	5		30
Naphthalene	107		126		70-130	16		30
Acrylonitrile	107		113		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG829195-1 WG829195-2								
Isopropyl Ether	108		110		66-130	2		30
tert-Butyl Alcohol	105		116		70-130	10		30
n-Propylbenzene	102		106		70-130	4		30
1,2,3-Trichlorobenzene	108		121		70-130	11		30
1,2,4-Trichlorobenzene	110		116		70-130	5		30
1,3,5-Trimethylbenzene	100		103		70-130	3		30
1,2,4-Trimethylbenzene	100		104		70-130	4		30
Methyl Acetate	109		114		51-146	4		30
Ethyl Acetate	107		109		70-130	2		30
Acrolein	103		108		70-130	5		30
Cyclohexane	111		111		59-142	0		30
1,4-Dioxane	109		125		65-136	14		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	113		107		50-139	5		30
p-Diethylbenzene	118		110		70-130	7		30
p-Ethyltoluene	115		106		70-130	8		30
1,2,4,5-Tetramethylbenzene	126		119		70-130	6		30
Tetrahydrofuran	103		111		66-130	7		30
Ethyl ether	121		122		67-130	1		30
trans-1,4-Dichloro-2-butene	104		110		70-130	6		30
Methyl cyclohexane	109		110		70-130	1		30
Ethyl-Tert-Butyl-Ether	106		108		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG829195-1 WG829195-2								
Tertiary-Amyl Methyl Ether	101		105		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	91		100		70-130
4-Bromofluorobenzene	97		101		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG829327-1 WG829327-2								
Methylene chloride	101		96		70-130	5		20
1,1-Dichloroethane	102		96		70-130	6		20
Chloroform	99		93		70-130	6		20
2-Chloroethylvinyl ether	**68**	Q	**60**	Q	70-130	13		20
Carbon tetrachloride	92		86		63-132	7		20
1,2-Dichloropropane	102		98		70-130	4		20
Dibromochloromethane	92		86		63-130	7		20
1,1,2-Trichloroethane	103		97		70-130	6		20
Tetrachloroethene	100		91		70-130	9		20
Chlorobenzene	99		93		75-130	6		20
Trichlorofluoromethane	86		80		62-150	7		20
1,2-Dichloroethane	97		91		70-130	6		20
1,1,1-Trichloroethane	97		91		67-130	6		20
Bromodichloromethane	94		89		67-130	5		20
trans-1,3-Dichloropropene	85		80		70-130	6		20
cis-1,3-Dichloropropene	87		83		70-130	5		20
1,1-Dichloropropene	103		96		70-130	7		20
Bromoform	78		72		54-136	8		20
1,1,2,2-Tetrachloroethane	105		98		67-130	7		20
Benzene	101		95		70-130	6		20
Toluene	101		94		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG829327-1 WG829327-2								
Ethylbenzene	101		93		70-130	8		20
Chloromethane	95		97		64-130	2		20
Bromomethane	57		58		39-139	2		20
Vinyl chloride	91		86		55-140	6		20
Chloroethane	88		89		55-138	1		20
1,1-Dichloroethene	97		91		61-145	6		20
trans-1,2-Dichloroethene	99		92		70-130	7		20
Trichloroethene	97		90		70-130	7		20
1,2-Dichlorobenzene	100		96		70-130	4		20
1,3-Dichlorobenzene	100		97		70-130	3		20
1,4-Dichlorobenzene	98		95		70-130	3		20
Methyl tert butyl ether	101		94		63-130	7		20
p/m-Xylene	103		96		70-130	7		20
o-Xylene	98		92		70-130	6		20
cis-1,2-Dichloroethene	99		94		70-130	5		20
Dibromomethane	98		91		70-130	7		20
1,2,3-Trichloropropane	104		96		64-130	8		20
Acrylonitrile	110		102		70-130	8		20
Isopropyl Ether	108		102		70-130	6		20
tert-Butyl Alcohol	102		100		70-130	2		20
Styrene	96		91		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG829327-1 WG829327-2								
Dichlorodifluoromethane	92		86		36-147	7		20
Acetone	101		106		58-148	5		20
Carbon disulfide	103		93		51-130	10		20
2-Butanone	111		101		63-138	9		20
Vinyl acetate	117		105		70-130	11		20
4-Methyl-2-pentanone	85		79		59-130	7		20
2-Hexanone	89		83		57-130	7		20
Acrolein	117		111		40-160	5		20
Bromochloromethane	97		93		70-130	4		20
2,2-Dichloropropane	100		94		63-133	6		20
1,2-Dibromoethane	102		95		70-130	7		20
1,3-Dichloropropane	106		99		70-130	7		20
1,1,1,2-Tetrachloroethane	95		91		64-130	4		20
Bromobenzene	100		97		70-130	3		20
n-Butylbenzene	111		101		53-136	9		20
sec-Butylbenzene	111		99		70-130	11		20
tert-Butylbenzene	110		99		70-130	11		20
o-Chlorotoluene	106		100		70-130	6		20
p-Chlorotoluene	104		101		70-130	3		20
1,2-Dibromo-3-chloropropane	99		94		41-144	5		20
Hexachlorobutadiene	111		100		63-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG829327-1 WG829327-2								
Isopropylbenzene	109		100		70-130	9		20
p-Isopropyltoluene	100		91		70-130	9		20
Naphthalene	83		76		70-130	9		20
n-Propylbenzene	109		99		69-130	10		20
1,2,3-Trichlorobenzene	98		91		70-130	7		20
1,2,4-Trichlorobenzene	98		93		70-130	5		20
1,3,5-Trimethylbenzene	108		101		64-130	7		20
1,2,4-Trimethylbenzene	100		95		70-130	5		20
Methyl Acetate	106		97		70-130	9		20
Ethyl Acetate	108		99		70-130	9		20
Cyclohexane	108		100		70-130	8		20
Ethyl-Tert-Butyl-Ether	96		92		70-130	4		20
Tertiary-Amyl Methyl Ether	93		87		66-130	7		20
1,4-Dioxane	104		102		56-162	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		91		70-130	7		20
p-Diethylbenzene	100		93		70-130	7		20
p-Ethyltoluene	108		101		70-130	7		20
1,2,4,5-Tetramethylbenzene	90		87		70-130	3		20
Ethyl ether	96		90		59-134	6		20
trans-1,4-Dichloro-2-butene	**40**	Q	**39**	Q	70-130	3		20
Iodomethane	124		124		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG829327-1 WG829327-2								
Methyl cyclohexane	104		90		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		94		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	106		107		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-02,09 Batch: WG829353-1 WG829353-2								
Chloroform	86		96		70-130	11		20
Carbon tetrachloride	92		88		63-132	4		20
Tetrachloroethene	105		104		70-130	1		20
Chlorobenzene	96		102		75-130	6		25
1,2-Dichloroethane	76		83		70-130	9		20
Benzene	87		99		70-130	13		25
Vinyl chloride	95		86		55-140	10		20
1,1-Dichloroethene	87		91		61-145	4		25
Trichloroethene	95		99		70-130	4		25
1,4-Dichlorobenzene	88		94		70-130	7		20
2-Butanone	78		75		63-138	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		83		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	82		91		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG829439-1 WG829439-2								
Methylene chloride	90		89		70-130	1		30
1,1-Dichloroethane	87		88		70-130	1		30
Chloroform	93		96		70-130	3		30
Carbon tetrachloride	96		99		70-130	3		30
1,2-Dichloropropane	84		87		70-130	4		30
Dibromochloromethane	86		89		70-130	3		30
2-Chloroethylvinyl ether	75		77		70-130	3		30
1,1,2-Trichloroethane	89		92		70-130	3		30
Tetrachloroethene	110		109		70-130	1		30
Chlorobenzene	100		102		70-130	2		30
Trichlorofluoromethane	130		127		70-139	2		30
1,2-Dichloroethane	85		90		70-130	6		30
1,1,1-Trichloroethane	98		100		70-130	2		30
Bromodichloromethane	85		92		70-130	8		30
trans-1,3-Dichloropropene	87		90		70-130	3		30
cis-1,3-Dichloropropene	89		93		70-130	4		30
1,1-Dichloropropene	99		100		70-130	1		30
Bromoform	78		82		70-130	5		30
1,1,2,2-Tetrachloroethane	86		91		70-130	6		30
Benzene	95		96		70-130	1		30
Toluene	97		100		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG829439-1 WG829439-2								
Ethylbenzene	99		101		70-130	2		30
Chloromethane	82		80		52-130	2		30
Bromomethane	115		106		57-147	8		30
Vinyl chloride	103		99		67-130	4		30
Chloroethane	119		110		50-151	8		30
1,1-Dichloroethene	107		103		65-135	4		30
trans-1,2-Dichloroethene	102		100		70-130	2		30
Trichloroethene	102		103		70-130	1		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	103		104		70-130	1		30
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	86		85		66-130	1		30
p/m-Xylene	103		104		70-130	1		30
o-Xylene	103		104		70-130	1		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Dibromomethane	94		95		70-130	1		30
Styrene	101		102		70-130	1		30
Dichlorodifluoromethane	103		98		30-146	5		30
Acetone	**53**	Q	55		54-140	4		30
Carbon disulfide	92		91		59-130	1		30
2-Butanone	78		**58**	Q	70-130	29		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG829439-1 WG829439-2								
Vinyl acetate	70		74		70-130	6		30
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	84		91		68-130	8		30
2-Hexanone	73		76		70-130	4		30
Bromochloromethane	106		104		70-130	2		30
2,2-Dichloropropane	97		99		70-130	2		30
1,2-Dibromoethane	92		94		70-130	2		30
1,3-Dichloropropane	88		90		69-130	2		30
1,1,1,2-Tetrachloroethane	96		97		70-130	1		30
Bromobenzene	97		100		70-130	3		30
n-Butylbenzene	108		110		70-130	2		30
sec-Butylbenzene	106		108		70-130	2		30
tert-Butylbenzene	103		106		70-130	3		30
o-Chlorotoluene	96		100		70-130	4		30
p-Chlorotoluene	97		101		70-130	4		30
1,2-Dibromo-3-chloropropane	78		79		68-130	1		30
Hexachlorobutadiene	108		107		67-130	1		30
Isopropylbenzene	101		104		70-130	3		30
p-Isopropyltoluene	107		110		70-130	3		30
Naphthalene	99		99		70-130	0		30
Acrylonitrile	77		77		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG829439-1 WG829439-2								
Isopropyl Ether	72		77		66-130	7		30
tert-Butyl Alcohol	**63**	Q	**63**	Q	70-130	0		30
n-Propylbenzene	99		103		70-130	4		30
1,2,3-Trichlorobenzene	104		104		70-130	0		30
1,2,4-Trichlorobenzene	109		108		70-130	1		30
1,3,5-Trimethylbenzene	102		105		70-130	3		30
1,2,4-Trimethylbenzene	102		105		70-130	3		30
Methyl Acetate	64		57		51-146	12		30
Ethyl Acetate	**68**	Q	70		70-130	3		30
Acrolein	70		70		70-130	0		30
Cyclohexane	82		83		59-142	1		30
1,4-Dioxane	94		87		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	105		101		50-139	4		30
p-Diethylbenzene	109		110		70-130	1		30
p-Ethyltoluene	102		105		70-130	3		30
1,2,4,5-Tetramethylbenzene	106		105		70-130	1		30
Tetrahydrofuran	**63**	Q	**64**	Q	66-130	2		30
Ethyl ether	106		105		67-130	1		30
trans-1,4-Dichloro-2-butene	78		83		70-130	6		30
Methyl cyclohexane	98		97		70-130	1		30
Ethyl-Tert-Butyl-Ether	80		83		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG829439-1 WG829439-2								
Tertiary-Amyl Methyl Ether	89		90		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		94		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	91		97		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG830283-1 WG830283-2								
Methylene chloride	104		103		70-130	1		30
1,1-Dichloroethane	106		106		70-130	0		30
Chloroform	109		107		70-130	2		30
Carbon tetrachloride	116		111		70-130	4		30
1,2-Dichloropropane	105		106		70-130	1		30
Dibromochloromethane	103		104		70-130	1		30
2-Chloroethylvinyl ether	88		86		70-130	2		30
1,1,2-Trichloroethane	102		106		70-130	4		30
Tetrachloroethene	107		106		70-130	1		30
Chlorobenzene	105		103		70-130	2		30
Trichlorofluoromethane	119		111		70-139	7		30
1,2-Dichloroethane	111		110		70-130	1		30
1,1,1-Trichloroethane	115		108		70-130	6		30
Bromodichloromethane	111		108		70-130	3		30
trans-1,3-Dichloropropene	106		105		70-130	1		30
cis-1,3-Dichloropropene	106		106		70-130	0		30
1,1-Dichloropropene	111		106		70-130	5		30
Bromoform	98		102		70-130	4		30
1,1,2,2-Tetrachloroethane	97		96		70-130	1		30
Benzene	106		106		70-130	0		30
Toluene	104		101		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG830283-1 WG830283-2								
Ethylbenzene	107		104		70-130	3		30
Chloromethane	109		107		52-130	2		30
Bromomethane	105		99		57-147	6		30
Vinyl chloride	112		106		67-130	6		30
Chloroethane	120		112		50-151	7		30
1,1-Dichloroethene	111		105		65-135	6		30
trans-1,2-Dichloroethene	109		103		70-130	6		30
Trichloroethene	116		107		70-130	8		30
1,2-Dichlorobenzene	103		104		70-130	1		30
1,3-Dichlorobenzene	106		107		70-130	1		30
1,4-Dichlorobenzene	104		104		70-130	0		30
Methyl tert butyl ether	101		101		66-130	0		30
p/m-Xylene	109		106		70-130	3		30
o-Xylene	107		106		70-130	1		30
cis-1,2-Dichloroethene	106		108		70-130	2		30
Dibromomethane	107		107		70-130	0		30
Styrene	109		108		70-130	1		30
Dichlorodifluoromethane	116		107		30-146	8		30
Acetone	98		104		54-140	6		30
Carbon disulfide	112		106		59-130	6		30
2-Butanone	109		108		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG830283-1 WG830283-2								
Vinyl acetate	108		108		70-130	0		30
4-Methyl-2-pentanone	93		92		70-130	1		30
1,2,3-Trichloropropane	98		101		68-130	3		30
2-Hexanone	87		86		70-130	1		30
Bromochloromethane	109		111		70-130	2		30
2,2-Dichloropropane	116		109		70-130	6		30
1,2-Dibromoethane	103		103		70-130	0		30
1,3-Dichloropropane	103		104		69-130	1		30
1,1,1,2-Tetrachloroethane	105		106		70-130	1		30
Bromobenzene	103		103		70-130	0		30
n-Butylbenzene	110		107		70-130	3		30
sec-Butylbenzene	107		102		70-130	5		30
tert-Butylbenzene	104		101		70-130	3		30
o-Chlorotoluene	106		106		70-130	0		30
p-Chlorotoluene	105		106		70-130	1		30
1,2-Dibromo-3-chloropropane	94		96		68-130	2		30
Hexachlorobutadiene	105		105		67-130	0		30
Isopropylbenzene	103		101		70-130	2		30
p-Isopropyltoluene	108		105		70-130	3		30
Naphthalene	98		98		70-130	0		30
Acrylonitrile	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG830283-1 WG830283-2								
Isopropyl Ether	106		104		66-130	2		30
tert-Butyl Alcohol	97		96		70-130	1		30
n-Propylbenzene	105		104		70-130	1		30
1,2,3-Trichlorobenzene	107		108		70-130	1		30
1,2,4-Trichlorobenzene	107		110		70-130	3		30
1,3,5-Trimethylbenzene	106		105		70-130	1		30
1,2,4-Trimethylbenzene	104		106		70-130	2		30
Methyl Acetate	98		97		51-146	1		30
Ethyl Acetate	99		104		70-130	5		30
Acrolein	103		94		70-130	9		30
Cyclohexane	115		106		59-142	8		30
1,4-Dioxane	92		97		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		107		50-139	11		30
p-Diethylbenzene	106		105		70-130	1		30
p-Ethyltoluene	105		104		70-130	1		30
1,2,4,5-Tetramethylbenzene	103		105		70-130	2		30
Tetrahydrofuran	117		100		66-130	16		30
Ethyl ether	104		102		67-130	2		30
trans-1,4-Dichloro-2-butene	109		108		70-130	1		30
Methyl cyclohexane	114		104		70-130	9		30
Ethyl-Tert-Butyl-Ether	104		103		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG830283-1 WG830283-2								
Tertiary-Amyl Methyl Ether	102		101		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		102		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-05
Client ID: PIT-1
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/09/15 11:13
Analyst: RC
Percent Solids: 90%

Date Collected: 10/07/15 11:00
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/15 18:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Fluoranthene	ND		ug/kg	110	33.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	41		18-120

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-07
Client ID: SS-6
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/09/15 12:05
Analyst: RC
Percent Solids: 89%

Date Collected: 10/07/15 11:10
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/15 18:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Fluoranthene	ND		ug/kg	110	33.	1
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	49		18-120

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/15 09:54
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/08/15 18:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG829180-1					
Acenaphthene	ND		ug/kg	130	34.
Fluoranthene	ND		ug/kg	98	30.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Tentatively Identified Compounds					
Unknown	160	J	ug/kg		

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/15 09:54
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/08/15 18:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG829180-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	63		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG829180-2 WG829180-3								
Acenaphthene	92		89		31-137	3		50
Benzidine	45		44		10-66	2		50
n-Nitrosodimethylamine	96		95		22-100	1		50
1,2,4-Trichlorobenzene	91		89		38-107	2		50
Hexachlorobenzene	90		84		40-140	7		50
Bis(2-chloroethyl)ether	96		96		40-140	0		50
2-Chloronaphthalene	94		92		40-140	2		50
1,2-Dichlorobenzene	90		86		40-140	5		50
1,3-Dichlorobenzene	90		84		40-140	7		50
1,4-Dichlorobenzene	89		86		28-104	3		50
3,3'-Dichlorobenzidine	65		67		40-140	3		50
2,4-Dinitrotoluene	**98**	Q	**94**	Q	28-89	4		50
2,6-Dinitrotoluene	98		95		40-140	3		50
Fluoranthene	95		90		40-140	5		50
4-Chlorophenyl phenyl ether	93		88		40-140	6		50
4-Bromophenyl phenyl ether	93		91		40-140	2		50
Azobenzene	98		94		40-140	4		50
Bis(2-chloroisopropyl)ether	97		97		40-140	0		50
Bis(2-chloroethoxy)methane	95		97		40-117	2		50
Hexachlorobutadiene	87		86		40-140	1		50
Hexachlorocyclopentadiene	84		83		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG829180-2 WG829180-3								
Hexachloroethane	86		83		40-140	4		50
Isophorone	97		94		40-140	3		50
Naphthalene	94		93		40-140	1		50
Nitrobenzene	98		95		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	98		93		36-157	5		50
n-Nitrosodi-n-propylamine	98		98		32-121	0		50
Bis(2-Ethylhexyl)phthalate	100		96		40-140	4		50
Butyl benzyl phthalate	97		91		40-140	6		50
Di-n-butylphthalate	96		93		40-140	3		50
Di-n-octylphthalate	104		99		40-140	5		50
Diethyl phthalate	95		92		40-140	3		50
Dimethyl phthalate	95		90		40-140	5		50
Benzo(a)anthracene	96		92		40-140	4		50
Benzo(a)pyrene	99		95		40-140	4		50
Benzo(b)fluoranthene	99		95		40-140	4		50
Benzo(k)fluoranthene	98		94		40-140	4		50
Chrysene	95		91		40-140	4		50
Acenaphthylene	96		93		40-140	3		50
Anthracene	92		89		40-140	3		50
Benzo(ghi)perylene	98		93		40-140	5		50
Fluorene	95		91		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG829180-2 WG829180-3								
Phenanthrene	91		87		40-140	4		50
Dibenzo(a,h)anthracene	99		93		40-140	6		50
Indeno(1,2,3-cd)Pyrene	98		92		40-140	6		50
Pyrene	94		91		35-142	3		50
Biphenyl	96		92		54-104	4		50
Aniline	79		80		40-140	1		50
4-Chloroaniline	93		89		40-140	4		50
2-Nitroaniline	101		96		47-134	5		50
3-Nitroaniline	85		84		26-129	1		50
4-Nitroaniline	99		92		41-125	7		50
Dibenzofuran	94		88		40-140	7		50
2-Methylnaphthalene	95		93		40-140	2		50
1,2,4,5-Tetrachlorobenzene	91		88		40-117	3		50
Acetophenone	101		100		14-144	1		50
2,4,6-Trichlorophenol	102		102		30-130	0		50
P-Chloro-M-Cresol	**105**	Q	101		26-103	4		50
2-Chlorophenol	98		98		25-102	0		50
2,4-Dichlorophenol	101		99		30-130	2		50
2,4-Dimethylphenol	97		96		30-130	1		50
2-Nitrophenol	96		94		30-130	2		50
4-Nitrophenol	109		104		11-114	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG829180-2 WG829180-3								
2,4-Dinitrophenol	74		67		4-130	10		50
4,6-Dinitro-o-cresol	94		90		10-130	4		50
Pentachlorophenol	83		78		17-109	6		50
Phenol	**100**	Q	**98**	Q	26-90	2		50
2-Methylphenol	100		98		30-130.	2		50
3-Methylphenol/4-Methylphenol	102		99		30-130	3		50
2,4,5-Trichlorophenol	95		95		30-130	0		50
Benzoic Acid	40		36		10-66	11		50
Benzyl Alcohol	100		100		40-140	0		50
Carbazole	97		91		54-128	6		50
Benzaldehyde	100		102		40-140	2		50
Caprolactam	119		118		15-130	1		50
Atrazine	88		84		40-140	5		50
2,3,4,6-Tetrachlorophenol	101		98		40-140	3		50
Pyridine	77		73		10-93	5		50
Parathion, ethyl	95		92		40-140	3		50
1-Methylnaphthalene	95		93		26-130	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG829180-2 WG829180-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	97		92		25-120
Phenol-d6	91		89		10-120
Nitrobenzene-d5	89		87		23-120
2-Fluorobiphenyl	85		83		30-120
2,4,6-Tribromophenol	76		74		10-136
4-Terphenyl-d14	80		77		18-120

METALS

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-05 Date Collected: 10/07/15 11:00

Client ID: PIT-1 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.5		mg/kg	0.42	0.08	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Barium, Total	4.3		mg/kg	0.42	0.13	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Beryllium, Total	0.05	J	mg/kg	0.21	0.04	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Cadmium, Total	0.15	J	mg/kg	0.42	0.03	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Chromium, Total	3.3		mg/kg	0.42	0.08	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Copper, Total	7.4		mg/kg	0.42	0.08	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Lead, Total	9.4		mg/kg	2.1	0.08	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Mercury, Total	0.38		mg/kg	0.07	0.02	1	10/09/15 09:00	10/09/15 11:33	EPA 7471B	1,7471B	DB
Nickel, Total	1.3		mg/kg	1.0	0.17	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	0.84	0.13	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.42	0.08	1	10/08/15 12:09	10/08/15 18:38	EPA 3050B	1,6010C	PS

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-07 Date Collected: 10/07/15 11:10

Client ID: SS-6 Date Received: 10/07/15

Sample Location: PINE HILLS GOLF CLUB Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	ND		mg/kg	0.43	0.09	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Barium, Total	4.0		mg/kg	0.43	0.13	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.22	0.04	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.43	0.03	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Chromium, Total	1.9		mg/kg	0.43	0.09	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Copper, Total	1.2		mg/kg	0.43	0.09	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Lead, Total	0.93	J	mg/kg	2.2	0.09	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Mercury, Total	0.30		mg/kg	0.07	0.02	1	10/09/15 09:00	10/09/15 11:35	EPA 7471B	1,7471B	DB
Nickel, Total	0.46	J	mg/kg	1.1	0.17	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	0.87	0.13	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.43	0.09	1	10/08/15 12:09	10/08/15 18:42	EPA 3050B	1,6010C	PS

Project Name: RSL 1501 **Lab Number:** L1525337

Project Number: RSL1501 **Report Date:** 10/14/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05,07 Batch: WG828989-1										
Arsenic, Total	0.14	J	mg/kg	0.40	0.08	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Barium, Total	ND		mg/kg	0.40	0.12	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Copper, Total	ND		mg/kg	0.40	0.08	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Lead, Total	ND		mg/kg	2.0	0.08	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Selenium, Total	0.13	J	mg/kg	0.80	0.12	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS
Silver, Total	ND		mg/kg	0.40	0.08	1	10/08/15 12:09	10/08/15 17:42	1,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05,07 Batch: WG829233-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/09/15 09:00	10/09/15 11:29	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL 1501

Project Number: RSL1501

Lab Number: L1525337

Report Date: 10/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05,07 Batch: WG828989-2 SRM Lot Number: D088-540								
Arsenic, Total	96		-		79-121	-		
Barium, Total	94		-		83-117	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	87		-		83-117	-		
Chromium, Total	87		-		80-120	-		
Copper, Total	90		-		81-118	-		
Lead, Total	86		-		81-117	-		
Nickel, Total	88		-		83-117	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	91		-		75-124	-		
Total Metals - Westborough Lab Associated sample(s): 05,07 Batch: WG829233-2 SRM Lot Number: D088-540								
Mercury, Total	94		-		72-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05,07 QC Batch ID: WG828989-4 QC Sample: L1525370-02 Client ID: MS Sample												
Arsenic, Total	3.0	10.6	14	103		-	-		75-125	-		20
Barium, Total	46.	178	210	92		-	-		75-125	-		20
Beryllium, Total	0.48	4.44	4.4	88		-	-		75-125	-		20
Cadmium, Total	ND	4.53	3.7	82		-	-		75-125	-		20
Chromium, Total	13.	17.8	29	90		-	-		75-125	-		20
Copper, Total	16.	22.2	38	99		-	-		75-125	-		20
Lead, Total	12.	45.3	48	80		-	-		75-125	-		20
Nickel, Total	10.	44.4	48	86		-	-		75-125	-		20
Selenium, Total	0.54J	10.6	10	94		-	-		75-125	-		20
Silver, Total	ND	26.6	27	101		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 05,07 QC Batch ID: WG829233-4 QC Sample: L1525447-01 Client ID: MS Sample												
Mercury, Total	0.20	0.141	0.34	99		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05,07 QC Batch ID: WG828989-3 QC Sample: L1525370-02 Client ID: DUP Sample						
Arsenic, Total	3.0	2.7	mg/kg	11		20
Barium, Total	46.	51	mg/kg	10		20
Beryllium, Total	0.48	0.42J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	13.	13	mg/kg	0		20
Copper, Total	16.	15	mg/kg	6		20
Lead, Total	12.	11	mg/kg	9		20
Nickel, Total	10.	10	mg/kg	0		20
Selenium, Total	0.54J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 05,07 QC Batch ID: WG829233-3 QC Sample: L1525447-01 Client ID: DUP Sample						
Mercury, Total	0.20	0.18	mg/kg	11		20

INORGANICS
&
MISCELLANEOUS

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-01
Client ID: SS-3-UIC-001
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil

Date Collected: 10/07/15 09:50
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	28.6		%	0.100	NA	1	-	10/08/15 02:40	30,2540G	LH

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-02
Client ID: SS-3-UIC-002
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil

Date Collected: 10/07/15 10:15
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	29.0		%	0.100	NA	1	-	10/08/15 02:40	30,2540G	LH

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-05
Client ID: PIT-1
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil

Date Collected: 10/07/15 11:00
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	10/08/15 02:40	30,2540G	LH

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-07
Client ID: SS-6
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil

Date Collected: 10/07/15 11:10
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	10/08/15 02:40	30,2540G	LH

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525337-09
Client ID: SS3-UIC-003
Sample Location: PINE HILLS GOLF CLUB
Matrix: Soil

Date Collected: 10/07/15 13:20
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	59.5		%	0.100	NA	1	-	10/08/15 02:40	30,2540G	LH

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,05,07,09 QC Batch ID: WG828861-1 QC Sample: L1525394-09 Client ID: DUP Sample						
Solids, Total	93.6	93.6	%	0		20

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1525337-01A	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	TCLP-EXT-ZHE(14),NYTCL-8260(14)
L1525337-01A9	Vial MeOH preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1525337-01B	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	TS(7)
L1525337-01U	Vial unpreserved split	A	N/A	3.6	Y	Absent	TCLP-VOA(14)
L1525337-01V	Vial unpreserved split	A	N/A	3.6	Y	Absent	TCLP-VOA(14)
L1525337-02A	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	TCLP-EXT-ZHE(14),NYTCL-8260(14)
L1525337-02A9	Vial MeOH preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1525337-02B	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	TS(7)
L1525337-02U	Vial unpreserved split	A	N/A	3.6	Y	Absent	TCLP-VOA(14)
L1525337-02V	Vial unpreserved split	A	N/A	3.6	Y	Absent	TCLP-VOA(14)
L1525337-03A	Vial unpreserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-03B	Vial unpreserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-03C	Vial unpreserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-04A	Vial HCl preserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-04B	Vial HCl preserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-04C	Vial HCl preserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-05A	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),NYTCL-8260(14),HG-T(28),CD-TI(180)
L1525337-05A9	Vial MeOH preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1525337-05B	Glass 120ml/4oz unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1525337-06A	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: RSL 1501
Project Number: RSL1501

Lab Number: L1525337
Report Date: 10/14/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1525337-06B	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1525337-06C	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1525337-07A	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),NYTCL-8260(14),HG-T(28),CD-TI(180)
L1525337-07A9	Vial MeOH preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1525337-07B	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1525337-08A	Vial HCl preserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-08B	Vial HCl preserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-08C	Vial HCl preserved	A	N/A	3.6	Y	Absent	HOLD-8260(14)
L1525337-09A	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	TCLP-EXT-ZHE(14),NYTCL-8260(14)
L1525337-09A9	Vial MeOH preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1525337-09B	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	TS(7)
L1525337-09U	Vial unpreserved split	A	N/A	3.6	Y	Absent	TCLP-VOA(14)
L1525337-09V	Vial unpreserved split	A	N/A	3.6	Y	Absent	TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name:	RSL 1501	**Lab Number:**	L1525337
Project Number:	RSL1501	**Report Date:**	10/14/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL 1501	**Lab Number:**	L1525337
Project Number:	RSL1501	**Report Date:**	10/14/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL 1501	**Lab Number:**	L1525337
Project Number:	RSL1501	**Report Date:**	10/14/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/7/15

ALPHA Job #: L1525337

Client Information

Client: PWGC
Address: 630 Johnson Ave. Bohemia, NY 11716
Phone: 631-589-6353
Fax:
Email: bryand@PWGrosser.com

Project Information

Project Name: RSL 1501
Project Location: Pine Hills Golf Club
Project #: RSL 1501
(Use Project name as Project #) [X]
Project Manager: Bryan Devaux
ALPHAQuote #:

Turn-Around Time

Standard [ ] Due Date:
Rush (only if pre approved) [X] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[X] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC - 8260
TCLP - VOC

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC - 8260	TCLP - VOC	Sample Specific Comments
25337_01	SS-3-UIC-001	10-7-15	950	S	TR	X	X	48-hr
02	SS-3-UIC-002		1015	S	TR	X	X	48-hr
03	SS-3-UIC-001-Liquid		950	L	TR	X	X	HOLD
04	SS-3-UIC-002-Liquid		1015	L	TR	X	X	HOLD
05	Field		1100	S	TR	X	X	5-day
06	SS-3		1030	L	TR	X	X	~~5-day~~ (13) 48 hr
07	SS-6		1110	S	TR	X	X	5 day
08	SS-3-UIC-003-Liquid		13:00	L	RA	X	X	HOLD
09	SS-3 UIC-003		13:20	S	RA	X	X	48-hour

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	10-7-15 15:30		10-7-15 15:30
	10-7-15 1830		10-7-15 1830
	10/7/15 2305		10/7/15 2305

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1525899
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Bryan Devaux
Phone:	(631) 589-6353
Project Name:	RSL1501
Project Number:	RSL1501
Report Date:	10/16/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1525899-01	EP001	SOIL	ISLAND HILLS GOLF CLUB, SAYVILLE, NY	10/13/15 09:25	10/13/15

Project Name: RSL1501 **Lab Number:** L1525899
Project Number: RSL1501 **Report Date:** 10/16/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: RSL1501 **Lab Number:** L1525899
Project Number: RSL1501 **Report Date:** 10/16/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 10/16/15

ORGANICS

VOLATILES

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

SAMPLE RESULTS

Lab ID: L1525899-01
Client ID: EP001
Sample Location: ISLAND HILLS GOLF CLUB, SAYVILLE, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/15 12:17
Analyst: MV
Percent Solids: 94%

Date Collected: 10/13/15 09:25
Date Received: 10/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

SAMPLE RESULTS

Lab ID: L1525899-01 Date Collected: 10/13/15 09:25

Client ID: EP001 Date Received: 10/13/15

Sample Location: ISLAND HILLS GOLF CLUB, SAYVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	3.3	J	ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.29	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

SAMPLE RESULTS

Lab ID: L1525899-01 Date Collected: 10/13/15 09:25

Client ID: EP001 Date Received: 10/13/15

Sample Location: ISLAND HILLS GOLF CLUB, SAYVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/15 11:50
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG831572-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/15 11:50
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG831572-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	2.0	J	ug/kg	10	1.0
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/15 11:50
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG831572-3					
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG831572-1 WG831572-2								
Methylene chloride	89		87		70-130	2		30
1,1-Dichloroethane	86		85		70-130	1		30
Chloroform	94		93		70-130	1		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	86		88		70-130	2		30
Dibromochloromethane	94		101		70-130	7		30
2-Chloroethylvinyl ether	80		87		70-130	8		30
1,1,2-Trichloroethane	91		96		70-130	5		30
Tetrachloroethene	96		93		70-130	3		30
Chlorobenzene	95		95		70-130	0		30
Trichlorofluoromethane	126		114		70-139	10		30
1,2-Dichloroethane	97		99		70-130	2		30
1,1,1-Trichloroethane	97		93		70-130	4		30
Bromodichloromethane	94		97		70-130	3		30
trans-1,3-Dichloropropene	90		97		70-130	7		30
cis-1,3-Dichloropropene	92		96		70-130	4		30
1,1-Dichloropropene	90		88		70-130	2		30
Bromoform	91		94		70-130	3		30
1,1,2,2-Tetrachloroethane	92		92		70-130	0		30
Benzene	90		88		70-130	2		30
Toluene	88		89		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG831572-1 WG831572-2								
Ethylbenzene	93		90		70-130	3		30
Chloromethane	75		71		52-130	5		30
Bromomethane	100		96		57-147	4		30
Vinyl chloride	90		84		67-130	7		30
Chloroethane	121		110		50-151	10		30
1,1-Dichloroethene	96		88		65-135	9		30
trans-1,2-Dichloroethene	91		87		70-130	4		30
Trichloroethene	96		93		70-130	3		30
1,2-Dichlorobenzene	99		98		70-130	1		30
1,3-Dichlorobenzene	97		97		70-130	0		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	91		94		66-130	3		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	97		96		70-130	1		30
cis-1,2-Dichloroethene	93		92		70-130	1		30
Dibromomethane	97		101		70-130	4		30
Styrene	98		99		70-130	1		30
Dichlorodifluoromethane	90		80		30-146	12		30
Acetone	65		64		54-140	2		30
Carbon disulfide	92		82		59-130	11		30
2-Butanone	70		78		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG831572-1 WG831572-2								
Vinyl acetate	82		84		70-130	2		30
4-Methyl-2-pentanone	81		88		70-130	8		30
1,2,3-Trichloropropane	94		94		68-130	0		30
2-Hexanone	78		81		70-130	4		30
Bromochloromethane	98		102		70-130	4		30
2,2-Dichloropropane	95		90		70-130	5		30
1,2-Dibromoethane	96		97		70-130	1		30
1,3-Dichloropropane	90		93		69-130	3		30
1,1,1,2-Tetrachloroethane	98		100		70-130	2		30
Bromobenzene	95		94		70-130	1		30
n-Butylbenzene	98		94		70-130	4		30
sec-Butylbenzene	97		92		70-130	5		30
tert-Butylbenzene	97		92		70-130	5		30
o-Chlorotoluene	92		90		70-130	2		30
p-Chlorotoluene	94		93		70-130	1		30
1,2-Dibromo-3-chloropropane	91		93		68-130	2		30
Hexachlorobutadiene	99		96		67-130	3		30
Isopropylbenzene	94		90		70-130	4		30
p-Isopropyltoluene	98		94		70-130	4		30
Naphthalene	99		100		70-130	1		30
Acrylonitrile	**62**	Q	74		70-130	18		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501

Project Number: RSL1501

Lab Number: L1525899

Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG831572-1 WG831572-2								
Isopropyl Ether	79		81		66-130	3		30
tert-Butyl Alcohol	76		73		70-130	4		30
n-Propylbenzene	93		89		70-130	4		30
1,2,3-Trichlorobenzene	100		102		70-130	2		30
1,2,4-Trichlorobenzene	100		101		70-130	1		30
1,3,5-Trimethylbenzene	96		92		70-130	4		30
1,2,4-Trimethylbenzene	98		94		70-130	4		30
Methyl Acetate	62		67		51-146	8		30
Ethyl Acetate	78		79		70-130	1		30
Acrolein	**66**	Q	**68**	Q	70-130	3		30
Cyclohexane	81		76		59-142	6		30
1,4-Dioxane	92		92		65-136	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		89		50-139	14		30
p-Diethylbenzene	97		95		70-130	2		30
p-Ethyltoluene	95		92		70-130	3		30
1,2,4,5-Tetramethylbenzene	98		97		70-130	1		30
Tetrahydrofuran	71		74		66-130	4		30
Ethyl ether	110		115		67-130	4		30
trans-1,4-Dichloro-2-butene	84		87		70-130	4		30
Methyl cyclohexane	94		85		70-130	10		30
Ethyl-Tert-Butyl-Ether	86		90		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG831572-1 WG831572-2								
Tertiary-Amyl Methyl Ether	91		95		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		100		70-130
Toluene-d8	96		99		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	105		106		70-130

SEMIVOLATILES

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

SAMPLE RESULTS

Lab ID: L1525899-01
Client ID: EP001
Sample Location: ISLAND HILLS GOLF CLUB, SAYVILLE, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/14/15 23:26
Analyst: RC
Percent Solids: 94%

Date Collected: 10/13/15 09:25
Date Received: 10/13/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/14/15 01:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
Fluoranthene	ND		ug/kg	100	32.	1
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	34.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	114		18-120

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/14/15 13:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/14/15 00:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG830583-1					
Acenaphthene	ND		ug/kg	130	34.
Fluoranthene	ND		ug/kg	98	30.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG830583-2 WG830583-3								
Acenaphthene	64		60		31-137	6		50
Benzidine	27		54		10-66	**67**	Q	50
n-Nitrosodimethylamine	49		48		22-100	2		50
1,2,4-Trichlorobenzene	63		60		38-107	5		50
Hexachlorobenzene	69		66		40-140	4		50
Bis(2-chloroethyl)ether	58		55		40-140	5		50
2-Chloronaphthalene	63		61		40-140	3		50
1,2-Dichlorobenzene	59		56		40-140	5		50
1,3-Dichlorobenzene	58		55		40-140	5		50
1,4-Dichlorobenzene	59		56		28-104	5		50
3,3'-Dichlorobenzidine	48		55		40-140	14		50
2,4-Dinitrotoluene	71		68		28-89	4		50
2,6-Dinitrotoluene	66		64		40-140	3		50
Fluoranthene	64		62		40-140	3		50
4-Chlorophenyl phenyl ether	66		63		40-140	5		50
4-Bromophenyl phenyl ether	69		66		40-140	4		50
Azobenzene	61		59		40-140	3		50
Bis(2-chloroisopropyl)ether	55		52		40-140	6		50
Bis(2-chloroethoxy)methane	60		58		40-117	3		50
Hexachlorobutadiene	66		62		40-140	6		50
Hexachlorocyclopentadiene	92		83		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG830583-2 WG830583-3								
Hexachloroethane	60		57		40-140	5		50
Isophorone	60		58		40-140	3		50
Naphthalene	62		58		40-140	7		50
Nitrobenzene	63		60		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	66		63		36-157	5		50
n-Nitrosodi-n-propylamine	58		56		32-121	4		50
Bis(2-Ethylhexyl)phthalate	71		68		40-140	4		50
Butyl benzyl phthalate	70		68		40-140	3		50
Di-n-butylphthalate	68		65		40-140	5		50
Di-n-octylphthalate	73		70		40-140	4		50
Diethyl phthalate	64		62		40-140	3		50
Dimethyl phthalate	65		63		40-140	3		50
Benzo(a)anthracene	65		63		40-140	3		50
Benzo(a)pyrene	66		63		40-140	5		50
Benzo(b)fluoranthene	66		62		40-140	6		50
Benzo(k)fluoranthene	67		62		40-140	8		50
Chrysene	64		61		40-140	5		50
Acenaphthylene	63		61		40-140	3		50
Anthracene	66		64		40-140	3		50
Benzo(ghi)perylene	66		62		40-140	6		50
Fluorene	64		61		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG830583-2 WG830583-3								
Phenanthrene	64		61		40-140	5		50
Dibenzo(a,h)anthracene	70		66		40-140	6		50
Indeno(1,2,3-cd)Pyrene	69		63		40-140	9		50
Pyrene	64		61		35-142	5		50
Biphenyl	65		61		54-104	6		50
Aniline	**30**	Q	**38**	Q	40-140	24		50
4-Chloroaniline	48		61		40-140	24		50
2-Nitroaniline	71		68		47-134	4		50
3-Nitroaniline	54		61		26-129	12		50
4-Nitroaniline	64		65		41-125	2		50
Dibenzofuran	64		61		40-140	5		50
2-Methylnaphthalene	62		59		40-140	5		50
1,2,4,5-Tetrachlorobenzene	68		64		40-117	6		50
Acetophenone	64		60		14-144	6		50
2,4,6-Trichlorophenol	78		73		30-130	7		50
P-Chloro-M-Cresol	69		65		26-103	6		50
2-Chlorophenol	66		61		25-102	8		50
2,4-Dichlorophenol	72		69		30-130	4		50
2,4-Dimethylphenol	69		65		30-130	6		50
2-Nitrophenol	70		67		30-130	4		50
4-Nitrophenol	66		60		11-114	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG830583-2 WG830583-3								
2,4-Dinitrophenol	32		34		4-130	6		50
4,6-Dinitro-o-cresol	60		50		10-130	18		50
Pentachlorophenol	69		64		17-109	8		50
Phenol	58		54		26-90	7		50
2-Methylphenol	64		60		30-130.	6		50
3-Methylphenol/4-Methylphenol	65		61		30-130	6		50
2,4,5-Trichlorophenol	70		67		30-130	4		50
Benzoic Acid	28		34		10-66	19		50
Benzyl Alcohol	62		60		40-140	3		50
Carbazole	65		64		54-128	2		50
Benzaldehyde	54		57		40-140	5		50
Caprolactam	69		65		15-130	6		50
Atrazine	67		70		40-140	4		50
2,3,4,6-Tetrachlorophenol	74		70		40-140	6		50
Pyridine	24		30		10-93	22		50
Parathion, ethyl	97		91		40-140	6		50
1-Methylnaphthalene	62		58		26-130	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG830583-2 WG830583-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		58		25-120
Phenol-d6	64		61		10-120
Nitrobenzene-d5	65		63		23-120
2-Fluorobiphenyl	64		62		30-120
2,4,6-Tribromophenol	81		75		10-136
4-Terphenyl-d14	65		62		18-120

METALS

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

SAMPLE RESULTS

Lab ID: L1525899-01 Date Collected: 10/13/15 09:25

Client ID: EP001 Date Received: 10/13/15

Sample Location: ISLAND HILLS GOLF CLUB, SAYVIL Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	ND		mg/kg	0.42	0.08	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Barium, Total	1.9		mg/kg	0.42	0.12	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.21	0.04	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.42	0.03	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Chromium, Total	2.1		mg/kg	0.42	0.08	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Copper, Total	2.4		mg/kg	0.42	0.08	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Lead, Total	14		mg/kg	2.1	0.08	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	10/14/15 09:33	10/14/15 18:28	EPA 7471B	1,7471B	DB
Nickel, Total	0.58	J	mg/kg	1.0	0.17	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.83	0.12	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.08	1	10/14/15 04:34	10/14/15 18:16	EPA 3050B	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1525899

Project Number: RSL1501 **Report Date:** 10/16/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG830608-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	10/14/15 04:34	10/14/15 16:05	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG830609-1										
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	10/14/15 09:33	10/14/15 17:47	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG830608-2 SRM Lot Number: D088-540								
Arsenic, Total	96		-		79-121	-		
Barium, Total	88		-		83-117	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-120	-		
Copper, Total	98		-		81-118	-		
Lead, Total	82		-		81-117	-		
Nickel, Total	92		-		83-117	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	96		-		75-124	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG830609-2 SRM Lot Number: D088-540								
Mercury, Total	98		-		72-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG830608-4 QC Sample: L1525893-01 Client ID: MS Sample												
Arsenic, Total	1.9	12.5	14	97		-	-		75-125	-		20
Barium, Total	13.	208	200	90		-	-		75-125	-		20
Beryllium, Total	0.18J	5.21	4.7	90		-	-		75-125	-		20
Cadmium, Total	ND	5.31	4.5	85		-	-		75-125	-		20
Chromium, Total	6.2	20.8	24	85		-	-		75-125	-		20
Copper, Total	13.	26	36	88		-	-		75-125	-		20
Lead, Total	15.	53.1	58	81		-	-		75-125	-		20
Nickel, Total	6.0	52.1	47	79		-	-		75-125	-		20
Selenium, Total	0.27J	12.5	12	96		-	-		75-125	-		20
Silver, Total	0.10J	31.2	31	99		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG830609-4 QC Sample: L1525943-01 Client ID: MS Sample												
Mercury, Total	0.17	0.147	0.35	**123**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG830608-3 QC Sample: L1525893-01 Client ID: DUP Sample						
Arsenic, Total	1.9	2.0	mg/kg	5		20
Barium, Total	13.	31	mg/kg	**82**	Q	20
Beryllium, Total	0.18J	0.10J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	6.2	6.1	mg/kg	2		20
Lead, Total	15.	12	mg/kg	**22**	Q	20
Nickel, Total	6.0	4.4	mg/kg	**31**	Q	20
Selenium, Total	0.27J	0.31J	mg/kg	NC		20
Silver, Total	0.10J	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG830609-3 QC Sample: L1525943-01 Client ID: DUP Sample						
Mercury, Total	0.17	0.24	mg/kg	**34**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

SAMPLE RESULTS

Lab ID: L1525899-01
Client ID: EP001
Sample Location: ISLAND HILLS GOLF CLUB, SAYVIL
Matrix: Soil

Date Collected: 10/13/15 09:25
Date Received: 10/13/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	10/14/15 02:22	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG830600-1 QC Sample: L1525899-01 Client ID: EP001						
Solids, Total	94.4	94.1	%	0		20

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1525899
Report Date: 10/16/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1525899-01A	Glass 120ml/4oz unpreserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1525899-01A9	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1525899-01B	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	RSL1501	**Lab Number:**	L1525899
Project Number:	RSL1501	**Report Date:**	10/16/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1525899
Project Number:	RSL1501	**Report Date:**	10/16/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1525899
Project Number:	RSL1501	**Report Date:**	10/16/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/13/15

ALPHA Job #: L1525899

Client Information

Client: PWGC
Address: 630 Johnson Ave
Bohemia, NY 11716
Phone: (631) 589-6353
Fax:
Email: amander@pwgrosser.com

Project Information

Project Name: RSL1501
Project Location: Island Hills Golf Club, Sayville, NY
Project #: RSL1501
(Use Project name as Project #) ☒
Project Manager: Ryan DeVaux
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 3-Day T.A.T.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC-SOHS | SVOC-SOHLS | Metals-SOHLS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-SOHS	SVOC-SOHLS	Metals-SOHLS	Total Bottle
25899-01	EP001	10/13/15	0925	S	AR	X	X	X	2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	A	A
Preservative	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
Andy Raiola	10/13/15 1230	Dad (AAL)	10/13/15 1230
Dad (AAL)	10/13/15 1820	Tom Tobin	10-13-15 1820
Tom Tobin	10/13/15 23:00		10/13/15 23:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1526189
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Bryan Devaux
Phone:	(631) 589-6353
Project Name:	RSL1501
Project Number:	RSL1501
Report Date:	10/19/15

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1526189-01	EP002	SOIL	ISLAND HILL GOLF CLUB, SAYVILLE, NY	10/14/15 10:45	10/15/15
L1526189-02	EP003	SOIL	ISLAND HILL GOLF CLUB, SAYVILLE, NY	10/14/15 12:15	10/15/15
L1526189-03	EP004	SOIL	ISLAND HILL GOLF CLUB, SAYVILLE, NY	10/14/15 12:55	10/15/15

Project Name: RSL1501 **Lab Number:** L1526189
Project Number: RSL1501 **Report Date:** 10/19/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: RSL1501 **Lab Number:** L1526189
Project Number: RSL1501 **Report Date:** 10/19/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 10/19/15

ORGANICS

VOLATILES

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-01
Client ID: EP002
Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/15 14:33
Analyst: MV
Percent Solids: 93%

Date Collected: 10/14/15 10:45
Date Received: 10/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	2.9		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	62		ug/kg	5.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1
1,4-Dichlorobenzene	1.4	J	ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-01 Date Collected: 10/14/15 10:45

Client ID: EP002 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	1.4	J	ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.29	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.14	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.4	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	1.8	J	ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
Freon-113	ND		ug/kg	22	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-01 Date Collected: 10/14/15 10:45

Client ID: EP002 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-02
Client ID: EP003
Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/15 15:00
Analyst: MV
Percent Solids: 93%

Date Collected: 10/14/15 12:15
Date Received: 10/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-02 Date Collected: 10/14/15 12:15

Client ID: EP003 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.29	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.4	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-02 Date Collected: 10/14/15 12:15

Client ID: EP003 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-03
Client ID: EP004
Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/15 15:27
Analyst: MV
Percent Solids: 91%

Date Collected: 10/14/15 12:55
Date Received: 10/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.15	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-03 Date Collected: 10/14/15 12:55

Client ID: EP004 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.1	1
2-Butanone	ND		ug/kg	11	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.17	1
p-Chlorotoluene	ND		ug/kg	5.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.15	1
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.4	0.17	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-03 Date Collected: 10/14/15 12:55

Client ID: EP004 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/15 09:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG831564-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/15 09:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG831564-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
2-Butanone	ND		ug/kg	10	0.27
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/15 09:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG831564-3					
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831564-1 WG831564-2								
Methylene chloride	107		103		70-130	4		30
1,1-Dichloroethane	108		107		70-130	1		30
Chloroform	106		102		70-130	4		30
Carbon tetrachloride	109		108		70-130	1		30
1,2-Dichloropropane	107		108		70-130	1		30
Dibromochloromethane	99		97		70-130	2		30
2-Chloroethylvinyl ether	97		92		70-130	5		30
1,1,2-Trichloroethane	105		102		70-130	3		30
Tetrachloroethene	110		110		70-130	0		30
Chlorobenzene	105		105		70-130	0		30
Trichlorofluoromethane	112		107		70-139	5		30
1,2-Dichloroethane	102		98		70-130	4		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	105		102		70-130	3		30
trans-1,3-Dichloropropene	106		100		70-130	6		30
cis-1,3-Dichloropropene	108		106		70-130	2		30
1,1-Dichloropropene	112		112		70-130	0		30
Bromoform	99		92		70-130	7		30
1,1,2,2-Tetrachloroethane	102		96		70-130	6		30
Benzene	112		110		70-130	2		30
Toluene	106		104		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831564-1 WG831564-2								
Ethylbenzene	106		105		70-130	1		30
Chloromethane	110		106		52-130	4		30
Bromomethane	99		97		57-147	2		30
Vinyl chloride	116		111		67-130	4		30
Chloroethane	118		115		50-151	3		30
1,1-Dichloroethene	116		113		65-135	3		30
trans-1,2-Dichloroethene	112		111		70-130	1		30
Trichloroethene	113		111		70-130	2		30
1,2-Dichlorobenzene	104		102		70-130	2		30
1,3-Dichlorobenzene	107		104		70-130	3		30
1,4-Dichlorobenzene	105		103		70-130	2		30
Methyl tert butyl ether	104		101		66-130	3		30
p/m-Xylene	109		107		70-130	2		30
o-Xylene	106		107		70-130	1		30
cis-1,2-Dichloroethene	110		109		70-130	1		30
Dibromomethane	105		103		70-130	2		30
Styrene	106		106		70-130	0		30
Dichlorodifluoromethane	102		100		30-146	2		30
Acetone	104		94		54-140	10		30
Carbon disulfide	116		112		59-130	4		30
2-Butanone	103		98		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831564-1 WG831564-2								
Vinyl acetate	101		99		70-130	2		30
4-Methyl-2-pentanone	97		98		70-130	1		30
1,2,3-Trichloropropane	104		96		68-130	8		30
2-Hexanone	85		84		70-130	1		30
Bromochloromethane	110		107		70-130	3		30
2,2-Dichloropropane	112		111		70-130	1		30
1,2-Dibromoethane	101		101		70-130	0		30
1,3-Dichloropropane	103		100		69-130	3		30
1,1,1,2-Tetrachloroethane	101		100		70-130	1		30
Bromobenzene	105		100		70-130	5		30
n-Butylbenzene	111		107		70-130	4		30
sec-Butylbenzene	109		106		70-130	3		30
tert-Butylbenzene	108		104		70-130	4		30
o-Chlorotoluene	109		106		70-130	3		30
p-Chlorotoluene	106		103		70-130	3		30
1,2-Dibromo-3-chloropropane	95		93		68-130	2		30
Hexachlorobutadiene	107		106		67-130	1		30
Isopropylbenzene	108		105		70-130	3		30
p-Isopropyltoluene	109		105		70-130	4		30
Naphthalene	99		96		70-130	3		30
Acrylonitrile	108		101		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831564-1 WG831564-2								
Isopropyl Ether	106		104		66-130	2		30
tert-Butyl Alcohol	106		100		70-130	6		30
n-Propylbenzene	109		104		70-130	5		30
1,2,3-Trichlorobenzene	105		104		70-130	1		30
1,2,4-Trichlorobenzene	108		107		70-130	1		30
1,3,5-Trimethylbenzene	108		104		70-130	4		30
1,2,4-Trimethylbenzene	105		102		70-130	3		30
Methyl Acetate	103		95		51-146	8		30
Ethyl Acetate	103		99		70-130	4		30
Acrolein	99		94		70-130	5		30
Cyclohexane	118		114		59-142	3		30
1,4-Dioxane	110		108		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	116		114		50-139	2		30
p-Diethylbenzene	109		106		70-130	3		30
p-Ethyltoluene	110		104		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		100		70-130	4		30
Tetrahydrofuran	106		101		66-130	5		30
Ethyl ether	110		106		67-130	4		30
trans-1,4-Dichloro-2-butene	99		96		70-130	3		30
Methyl cyclohexane	118		116		70-130	2		30
Ethyl-Tert-Butyl-Ether	106		102		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831564-1 WG831564-2								
Tertiary-Amyl Methyl Ether	105		104		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		91		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	99		95		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-01
Client ID: EP002
Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/17/15 16:54
Analyst: PS
Percent Solids: 93%

Date Collected: 10/14/15 10:45
Date Received: 10/15/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/16/15 00:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Fluoranthene	ND		ug/kg	110	33.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	34.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	110	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	71		18-120

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-02
Client ID: EP003
Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/17/15 17:19
Analyst: PS
Percent Solids: 93%

Date Collected: 10/14/15 12:15
Date Received: 10/15/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/16/15 00:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
Fluoranthene	ND		ug/kg	110	32.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Anthracene	ND		ug/kg	110	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	34.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	110	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	75		18-120

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-03
Client ID: EP004
Sample Location: ISLAND HILL GOLF CLUB, SAYVILLE, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/17/15 17:44
Analyst: PS
Percent Solids: 91%

Date Collected: 10/14/15 12:55
Date Received: 10/15/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/16/15 00:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Fluoranthene	ND		ug/kg	110	33.	1
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	74		18-120

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/17/15 11:50
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 10/16/15 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG831350-1					
Acenaphthene	ND		ug/kg	130	34.
Fluoranthene	ND		ug/kg	99	30.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	77		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831350-2 WG831350-3								
Acenaphthene	55		69		31-137	23		50
Benzidine	29		27		10-66	7		50
n-Nitrosodimethylamine	64		78		22-100	20		50
1,2,4-Trichlorobenzene	58		70		38-107	19		50
Hexachlorobenzene	62		79		40-140	24		50
Bis(2-chloroethyl)ether	55		65		40-140	17		50
2-Chloronaphthalene	60		75		40-140	22		50
1,2-Dichlorobenzene	54		65		40-140	18		50
1,3-Dichlorobenzene	53		62		40-140	16		50
1,4-Dichlorobenzene	53		64		28-104	19		50
3,3'-Dichlorobenzidine	52		64		40-140	21		50
2,4-Dinitrotoluene	56		74		28-89	28		50
2,6-Dinitrotoluene	62		76		40-140	20		50
Fluoranthene	62		79		40-140	24		50
4-Chlorophenyl phenyl ether	56		72		40-140	25		50
4-Bromophenyl phenyl ether	64		79		40-140	21		50
Azobenzene	62		78		40-140	23		50
Bis(2-chloroisopropyl)ether	54		67		40-140	21		50
Bis(2-chloroethoxy)methane	56		69		40-117	21		50
Hexachlorobutadiene	58		70		40-140	19		50
Hexachlorocyclopentadiene	40		50		40-140	22		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831350-2 WG831350-3								
Hexachloroethane	55		68		40-140	21		50
Isophorone	61		75		40-140	21		50
Naphthalene	54		66		40-140	20		50
Nitrobenzene	60		72		40-140	18		50
NitrosoDiPhenylAmine(NDPA)/DPA	58		74		36-157	24		50
n-Nitrosodi-n-propylamine	62		75		32-121	19		50
Bis(2-Ethylhexyl)phthalate	55		**168**	Q	40-140	**101**	Q	50
Butyl benzyl phthalate	60		76		40-140	24		50
Di-n-butylphthalate	56		72		40-140	25		50
Di-n-octylphthalate	54		70		40-140	26		50
Diethyl phthalate	59		75		40-140	24		50
Dimethyl phthalate	54		70		40-140	26		50
Benzo(a)anthracene	56		72		40-140	25		50
Benzo(a)pyrene	59		76		40-140	25		50
Benzo(b)fluoranthene	61		72		40-140	17		50
Benzo(k)fluoranthene	58		76		40-140	27		50
Chrysene	58		72		40-140	22		50
Acenaphthylene	57		72		40-140	23		50
Anthracene	57		72		40-140	23		50
Benzo(ghi)perylene	57		76		40-140	29		50
Fluorene	57		72		40-140	23		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831350-2 WG831350-3								
Phenanthrene	57		72		40-140	23		50
Dibenzo(a,h)anthracene	57		75		40-140	27		50
Indeno(1,2,3-cd)Pyrene	56		73		40-140	26		50
Pyrene	61		78		35-142	24		50
Biphenyl	58		74		54-104	24		50
Aniline	**36**	Q	**39**	Q	40-140	8		50
4-Chloroaniline	65		75		40-140	14		50
2-Nitroaniline	57		70		47-134	20		50
3-Nitroaniline	51		61		26-129	18		50
4-Nitroaniline	55		66		41-125	18		50
Dibenzofuran	56		70		40-140	22		50
2-Methylnaphthalene	56		70		40-140	22		50
1,2,4,5-Tetrachlorobenzene	60		74		40-117	21		50
Acetophenone	59		74		14-144	23		50
2,4,6-Trichlorophenol	59		77		30-130	26		50
P-Chloro-M-Cresol	61		78		26-103	24		50
2-Chlorophenol	57		70		25-102	20		50
2,4-Dichlorophenol	58		70		30-130	19		50
2,4-Dimethylphenol	60		75		30-130	22		50
2-Nitrophenol	54		72		30-130	29		50
4-Nitrophenol	69		89		11-114	25		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831350-2 WG831350-3								
2,4-Dinitrophenol	13		12		4-130	8		50
4,6-Dinitro-o-cresol	36		39		10-130	8		50
Pentachlorophenol	42		50		17-109	17		50
Phenol	51		65		26-90	24		50
2-Methylphenol	58		73		30-130.	23		50
3-Methylphenol/4-Methylphenol	59		70		30-130	17		50
2,4,5-Trichlorophenol	61		77		30-130	23		50
Benzoic Acid	12		11		10-66	9		50
Benzyl Alcohol	62		76		40-140	20		50
Carbazole	61		76		54-128	22		50
Benzaldehyde	64		73		40-140	13		50
Caprolactam	60		74		15-130	21		50
Atrazine	65		81		40-140	22		50
2,3,4,6-Tetrachlorophenol	57		75		40-140	27		50
Pyridine	39		45		10-93	14		50
Parathion, ethyl	66		80		40-140	19		50
1-Methylnaphthalene	68		82		26-130	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG831350-2 WG831350-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		67		25-120
Phenol-d6	57		69		10-120
Nitrobenzene-d5	61		74		23-120
2-Fluorobiphenyl	61		74		30-120
2,4,6-Tribromophenol	62		74		10-136
4-Terphenyl-d14	62		79		18-120

METALS

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-01 Date Collected: 10/14/15 10:45

Client ID: EP002 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILL Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.36	J	mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Barium, Total	2.1		mg/kg	0.40	0.12	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Chromium, Total	1.8		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Copper, Total	1.9		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Lead, Total	3.3		mg/kg	2.0	0.08	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Mercury, Total	0.09		mg/kg	0.07	0.02	1	10/16/15 09:02	10/16/15 19:12	EPA 7471B	1,7471B	DB
Nickel, Total	0.53	J	mg/kg	1.0	0.16	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.81	0.12	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 20:43	EPA 3050B	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-02 Date Collected: 10/14/15 12:15

Client ID: EP003 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILL Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.12	J	mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Barium, Total	1.4		mg/kg	0.40	0.12	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Chromium, Total	1.3		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Copper, Total	1.0		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Lead, Total	2.2		mg/kg	2.0	0.08	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Mercury, Total	0.05	J	mg/kg	0.07	0.01	1	10/16/15 09:02	10/16/15 19:14	EPA 7471B	1,7471B	DB
Nickel, Total	0.40	J	mg/kg	1.0	0.16	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 22:36	EPA 3050B	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-03 Date Collected: 10/14/15 12:55

Client ID: EP004 Date Received: 10/15/15

Sample Location: ISLAND HILL GOLF CLUB, SAYVILL Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.13	J	mg/kg	0.42	0.09	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Barium, Total	2.7		mg/kg	0.42	0.13	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.21	0.04	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.42	0.03	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Chromium, Total	1.6		mg/kg	0.42	0.09	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Copper, Total	1.4		mg/kg	0.42	0.09	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Lead, Total	1.7	J	mg/kg	2.1	0.09	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Mercury, Total	0.05	J	mg/kg	0.07	0.02	1	10/16/15 09:02	10/16/15 19:16	EPA 7471B	1,7471B	DB
Nickel, Total	0.61	J	mg/kg	1.1	0.17	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.85	0.13	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.09	1	10/16/15 07:33	10/16/15 22:59	EPA 3050B	1,6010C	JH

Project Name: RSL1501 **Lab Number:** L1526189

Project Number: RSL1501 **Report Date:** 10/19/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG831394-1										
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	10/16/15 09:02	10/16/15 18:35	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG831421-1										
Arsenic, Total	0.09	J	mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	10/16/15 07:33	10/16/15 19:38	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG831394-2 SRM Lot Number: D088-540								
Mercury, Total	107		-		72-128	-		
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG831421-2 SRM Lot Number: D088-540								
Arsenic, Total	96		-		79-121	-		
Barium, Total	88		-		83-117	-		
Beryllium, Total	86		-		83-117	-		
Cadmium, Total	89		-		83-117	-		
Chromium, Total	83		-		80-120	-		
Copper, Total	82		-		81-118	-		
Lead, Total	82		-		81-117	-		
Nickel, Total	95		-		83-117	-		
Selenium, Total	91		-		78-122	-		
Silver, Total	88		-		75-124	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG831394-4 QC Sample: L1526074-02 Client ID: MS Sample												
Mercury, Total	0.07J	0.19	0.28	**147**	Q	-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG831421-4 QC Sample: L1526250-08 Client ID: MS Sample												
Arsenic, Total	2.0	10.5	12	95		-	-		75-125	-		20
Barium, Total	42.	175	190	85		-	-		75-125	-		20
Beryllium, Total	0.16J	4.37	3.7	85		-	-		75-125	-		20
Cadmium, Total	ND	4.45	3.8	85		-	-		75-125	-		20
Chromium, Total	6.3	17.5	21	84		-	-		75-125	-		20
Copper, Total	9.1	21.8	28	86		-	-		75-125	-		20
Lead, Total	5.4	44.5	41	80		-	-		75-125	-		20
Nickel, Total	6.0	43.7	39	76		-	-		75-125	-		20
Selenium, Total	0.37J	10.5	10	95		-	-		75-125	-		20
Silver, Total	ND	26.2	24	92		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG831394-3 QC Sample: L1526074-02 Client ID: DUP Sample						
Mercury, Total	0.07J	0.07J	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG831421-3 QC Sample: L1526250-08 Client ID: DUP Sample						
Arsenic, Total	2.0	2.0	mg/kg	0		20
Barium, Total	42.	34	mg/kg	**21**	Q	20
Beryllium, Total	0.16J	0.16J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	6.3	6.2	mg/kg	2		20
Copper, Total	9.1	8.6	mg/kg	6		20
Lead, Total	5.4	5.4	mg/kg	0		20
Nickel, Total	6.0	6.0	mg/kg	0		20
Selenium, Total	0.37J	0.40J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-01
Client ID: EP002
Sample Location: ISLAND HILL GOLF CLUB, SAYVILL
Matrix: Soil

Date Collected: 10/14/15 10:45
Date Received: 10/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	10/16/15 02:07	30,2540G	RT

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-02
Client ID: EP003
Sample Location: ISLAND HILL GOLF CLUB, SAYVILL
Matrix: Soil

Date Collected: 10/14/15 12:15
Date Received: 10/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	10/16/15 02:07	30,2540G	RT

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

SAMPLE RESULTS

Lab ID: L1526189-03
Client ID: EP004
Sample Location: ISLAND HILL GOLF CLUB, SAYVILL
Matrix: Soil

Date Collected: 10/14/15 12:55
Date Received: 10/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	10/16/15 02:07	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG831373-1 QC Sample: L1526158-01 Client ID: DUP Sample						
Solids, Total	89.8	89.3	%	1		20

Project Name: RSL1501
Project Number: RSL1501

Lab Number: L1526189
Report Date: 10/19/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1526189-01A	Glass 120ml/4oz unpreserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1526189-01B	Glass 250ml/8oz unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1526189-02A	Glass 120ml/4oz unpreserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1526189-02B	Glass 250ml/8oz unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1526189-03A	Glass 120ml/4oz unpreserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1526189-03B	Glass 250ml/8oz unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	RSL1501	**Lab Number:**	L1526189
Project Number:	RSL1501	**Report Date:**	10/19/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1526189
Project Number:	RSL1501	**Report Date:**	10/19/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RSL1501	**Lab Number:**	L1526189
Project Number:	RSL1501	**Report Date:**	10/19/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/15/15

ALPHA Job #: L1526189

Client Information
Client: PVGC
Address: 630 Johnson Ave.
Bohemia, NY 11716
Phone: (631) 589-6353
Fax:
Email: avrander@pvgolfers.com

Project Information
Project Name: RSL1501
Project Location: Island Hill Golf Club, Sayville, N.Y.
Project #
(Use Project name as Project #) ☒
Project Manager: Bryan Devaux
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 10/19/15
Rush (only if pre approved) ☒ # of Days: 2-Day T.A.T.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
VOC-SCOMS
SVOC-SCOMS
Metals-SCOMS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	Total Bottle
26189-01	EP002	10/14/15	1045	S	AR		2
-02	EP003	↓	1215	↓	↓		↓
-03	EP004	↓	1255	↓	↓		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	A	A
Preservative	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
Jennifer Raiello	10/14/15	[illegible]	10-15-15 1010
[illegible]	10-15-15 1820	Tom Tobin	10-15-15 1820
Tom Tobin	10/15/15 23:45	[illegible]	10/15/15 23:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX C
Waste Manifests

ClearBrook

15-528
15 529

Waste Manifest Number
16966

972 Nicolls Road
Deer Park, NY 11729
Office: 631.586.0002
Fax: 631.586.0530
New York State DEC Licensed Transfer Facility
BIC # 1272

Non Hazardous Waste Manifest

Truck # 7006
W/O # 339784

PERMIT # 1-4720-00317/00001

Generator of Waste Material

1. Customer Name: ~~Island~~ Hills Golf Club 2. Phone Number: 631·424·8407

3. Street Address: 458 Lakeland Ave 4. City/State/Zip: Sayville, NY 11782

ALL WASTES ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE NYS DEC OPERATING PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge the accuracy of the source and type of waste identified and subject to this manifest. **NOTE: GENERATOR SIGNATURE REQUIRED**

5. Signature of Generator or Agent: Amanda J Raccuello Date: 10·13·15

Print Name:

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Sludge	(Cubic Yards) Gallons Tons	Apx 10yds	2A·263

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: Clear Brook 2. Address: 972 Nicolls Rd, Deer Park

3. Phone: 631·586·0002 4. Pump Out Date: 10·13·15

5. Vehicle License No: 25106 MD 6. NYS DEC Permit No: 1·4720·00317/00001

I certify that to the best of my knowledge the waste that is being delivered into ClearBrook transfer facility located at 972 Nicolls Road, Deer Park, NY 11729 contains no hazardous waste.

Print Name: Nick Vitale Signature: N Date: 10·13·15

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 10/13/15 Time: Sample ID#

Signature of Authorized Agent: Nancy Wagner Print Name Nancy Wagner

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1078457
Date: 10/13/2015
Time: 12:17:54 - 12:44:48

Gross: 63900 lb In Scale 1
Tare: 53140 lb Out Scale 1
Net: 10760 lb

Truck: 7006
License: 25106MD
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806
Generator: ISLAND HILLS GOLF CLUB
458 LAKELAND AVE
SAYVILLE, NY

Comment:

Manifest: 16966

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	5.38	Ton

Driver: _____

Deputy Weighmaster: Nancy Wagner
NANCY WAGNER

ClearBrook

15-505
15-529

Waste Manifest Number
17220

972 Nicolls Road
Deer Park, NY 11729
Office: 631.586.0002
Fax: 631.586.0530
New York State DEC Licensed Transfer Facility
BIC # 1272

Non Hazardous Waste Manifest

PERMIT # 1-4720-00317/00001

Truck# 6408
WO # 339805

Generator of Waste Material

1. Customer Name: Island Hills Golf Club 2. Phone Number: _____

3. Street Address: 458 Lakeland Ave 4. City/State/Zip: Sayville NY 11782

ALL WASTES ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE NYS DEC OPERATING PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge the accuracy of the source and type of waste identified and subject to this manifest. **NOTE: GENERATOR SIGNATURE REQUIRED**

5. Signature of Generator or Agent: Amanda J Racuiello (PNGA) Date: 10/14/15

Print Name:

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Sludge/Sand	Cubic Yards Gallons Tons	4	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: ClearBrook 2. Address: 972 Nicolls Rd Deer Park NY

3. Phone: 6315860002 4. Pump Out Date: 10/14/15

5. Vehicle License No: 63321MC 6. NYS DEC Permit No: 2A-263

I certify that to the best of my knowledge the waste that is being delivered into ClearBrook transfer facility located at 972 Nicolls Road, Deer Park, NY 11729 contains no hazardous waste.

Print Name: Chris Dalew Signature: _____ Date: 10/14/15

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 10/14/15 Time: _____ Sample ID# _____

Signature of Authorized Agent: _____ Print Name Nancy Wager

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1078557
Date: 10/14/2015
Time: 14:03:55 - 15:05:06

Gross: 59440 lb In Scale 1
Tare: 52320 lb Out Scale 1
Net: 7120 lb

Truck: 6408
License: 63321MC
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806
Generator: ISLAND HILLS GOLF CLUB
458 LAKELAND AVE
SAYVILLE, NY

Comment:

Manifest: 17220

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	3.56	Ton

Driver: _____

Deputy Weighmaster: NANCY WAGNER

ClearBrook

Waste Manifest Number
17471

972 Nicolls Road
Deer Park, NY 11729
Office: 631.586.0002
Fax: 631.586.0530
New York State DEC Licensed Transfer Facility
BIC # 1272

Non Hazardous Waste Manifest

PERMIT # 1-4720-00317/00001

Generator of Waste Material

1. Customer Name: Islands Hills Golf Club 2. Phone Number: _____

3. Street Address: 458 Lakeland Ave 4. City/State/Zip: Sayville NY 11782

ALL WASTES ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE NYS DEC OPERATING PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge the accuracy of the source and type of waste identified and subject to this manifest. **NOTE: GENERATOR SIGNATURE REQUIRED**

5. Signature of Generator or Agent: Agent for Owner Date: 10/6/15

Print Name:

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
non haz Solids	Cubic Yards Gallons Tons	12	

Others and special handling instructions, if any:

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: clearbrook 2. Address: 972 nicolls rd Deer Park

3. Phone: 631 586 0002 4. Pump Out Date: 10/6/15

5. Vehicle License No: 331 5-P mc 6. NYS DEC Permit No: 24263

I certify that to the best of my knowledge the waste that is being delivered into ClearBrook transfer facility located at 972 Nicolls Road, Deer Park, NY 11729 contains no hazardous waste.

Print Name: _____ Signature: _____ Date: 10/6/15

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: _____ Time: _____ Sample ID# _____

Signature of Authorized Agent: _____ Print Name _____

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

110 Sand Company

136 Spagnoli Road
Melville, NY 11747

Business Office:
170 Cabot Street
West Babylon NY, 11704

Ticket #: 282901
Date: 10/6/2015 1:37 PM
Phone: (631) 249-4108
Fax: (631) 249-4126

Customer: 19649
TULLY ENVIRONMENTAL INC.
DBA EVERGREEN RECYC
FLUSHING NY, 11368

Manifest #: 17471
PO #:
Job #

Order Number: 2
SLURRY- CLEARBROOK
Tons: 0.000
Loads: 36

6960 - CLEARBROOK#7003-15Y VA - 33156MB
MTF - Michael Fritz License#602339
110 Sand Co - Suffolk

Remarks:

Material	Location Address	Quantity	Price	Misc $	Tax $	Line Total $
970 #SLURRY		15.000 CY				

Gross	Tare	Net	Time IN	Time OUT
35.12 Tn	22.20 Tn	12.92 Tn	1:37 PM	1:37 PM
70,240 Lb	44,400 lb	25,840 Lb		

Driver

ClearBrook

M/L# 339450
T# 7003

Waste Manifest Number
16706

972 Nicolls Road
Deer Park, NY 11729
Office: 631.586.0002
Fax: 631.586.0530
New York State DEC Licensed Transfer Facility
BIC # 1272

Non Hazardous Waste Manifest

PERMIT # 1-4720-00317/00001

Generator of Waste Material

1. Customer Name: Island hills Golf Club
2. Phone Number:
3. Street Address: 458 Lakeland Ave
4. City/State/Zip: Sayville NY 11782

ALL WASTES ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE NYS DEC OPERATING PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge the accuracy of the source and type of waste identified and subject to this manifest.

NOTE: GENERATOR SIGNATURE REQUIRED

5. Signature of Generator or Agent: X Agent for Owner Date: 10/7/15
Print Name:

Wastestream Identification: Circle/Fill Out All Boxes

DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
non Hac Solids	Cubic Yards Gallons Tons	6	

Others and special handling instructions, if any:
15528

Transporter of Waste

NOTE: TRANSPORTER SIGNATURE REQUIRED

1. Company Name: clearbrook
2. Address: 972 nicolls rd Deer Park
3. Phone: 631 586 0002
4. Pump Out Date: 10/7/15
5. Vehicle License No: 33156 MB
6. NYS DEC Permit No: 24263

I certify that to the best of my knowledge the waste that is being delivered into ClearBrook transfer facility located at 972 Nicolls Road, Deer Park, NY 11729 contains no hazardous waste.

Print Name: Robert Hard Signature: Date: 10/7/15

Acceptance by ClearBrook

The above transporter delivered the described waste to the Transfer Facility and if was accepted.

Transfer Date: 10/7/15 Time: Sample ID#

Signature of Authorized Agent: Nancy Wager Print Name Nancy Wager

WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING

FORM 130 REV 2/12

Clearbrook TEI Company
972 Nicolls Road
Deer Park, NY 11729

Ticket: 1078093
Date: 10/7/2015
Time: 12:06:09 - 12:43:59

Gross: 57640 lb In Scale 1
Tare: 47780 lb Out Scale 1
Net: 9860 lb

Truck: 7003
Customer: Clearbrook
972 NICOLLS RD
DEER PARK, NY 11729-3806

License: 33156MB
Generator: ISLAND HILLS GOLF CLUB
458 LAKELAND AVE
SAYVILLE, NY

Comment:

Manifest: 16706

Origin	Materials & Services	Quantity	Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina	4.93	Ton

Driver: _____

Deputy Weighmaster: NANCY WAGNER

CLEAR FLO TECHNOLOGIES, INC.
1110 A Rte. 109
N. Lindenhurst, N.Y. 11757
Tel: (631) 956-7600
Fax: (631) 956-7020

MANIFEST NUMBER		
Part 1	Part 2	Part 3
		150118
Date of Pick-Up 10/6/15	Time of Pick-Up 6:50	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo-Receiving Station)

LIQUID WASTE DISCHARGE MANIFEST

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	**Gallons:** 4500	**Wt. In:**		**Wt. Out:**	
B. Type:	☐ Condensate Water	☐ Decant Grease	☐ Grease	☐ Industrial Rinse	☐ Leachate
	☐ Leachate Pool	☐ Pharmaceutical	☐ Septic/Septage	☐ Sludge	☑ Storm Water
	☐ STP Effluent	☐ Transfer Leachate	**Other:**		
C. Source	☐ Home/Apt.	☑ Office/Commercial	☐ Municipal	☐ Industrial	☐ Other

Description of Other and special handling instructions, if any _____

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Island Hills Golf Club B. Tel. No: _____

C. Complete Pickup Address: 458 Lakeland Ave, Sayville NY

ALL WASTEWATERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE DISCHARGE PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge to the accuracy of the source and type of wastewater identified and subject to this manifest. **SECTION D GENERATOR SIGNATURE REQUIRED**

D. Signature of Generator or Agent: _____ Date: 10/6/15

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Clear Brook
B. SCDPW Permit No: 50M353 C. Vehicle License No: 6333MB D. Pump Out Date: 10/6/15
E. NYS DEC Permit No: 2A263

The above described liquid waste was picked up and hauled by me to the disposal facility named below and was discharged. I certify under penalty of perjury that the foregoing is true and correct.

F. Signature of authorized agent and title: Frank Robbins

4. **ACCEPTANCE BY CLEAR FLO TECHNOLOGIES, INC.** (must be completed by disposer)

The above hauler delivered the described wastewater to the disposal facility and it was accepted.

Disposal Date: 10-6-15 Sample ID No.: 150118

Signature of authorized agent and title: _____

PINK-GENERATOR YELLOW-TRANSPORTER WHITE_DISPOSAL FACILITY GOLD-FILE

CLEAR FLO TECHNOLOGIES, INC.
1110 A Rte. 109
N. Lindenhurst, N.Y. 11757
Tel: (631) 956-7600
Fax: (631) 956-7020

MANIFEST NUMBER		
Part 1	Part 2	Part 3
		150201
Date of Pick-Up 10/7/15	Time of Pick-Up 6:49	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo-Receiving Station)

LIQUID WASTE DISCHARGE MANIFEST

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	**Gallons** 1800	**Wt. In:**		**Wt. Out:**	
B. Type:	☐ Condensate Water	☐ Decant Grease	☐ Grease	☐ Industrial Rinse	☐ Leachate
	☐ Leachate Pool	☐ Pharmaceutical	☑ Septic/Septage	☐ Sludge	☐ Storm Water
	☐ STP Effluent	☐ Transfer Leachate	**Other:**		
C. Source	☐ Home/Apt.	☐ Office/Commercial	☐ Municipal	☐ Industrial	☐ Other

Description of Other and special handling instructions, if any _____

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Island Hills Golf Club B. Tel. No: _____

C. Complete Pickup Address: 458 Lakeland Ave, Sayville, NY

ALL WASTEWATERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE DISCHARGE PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge to the accuracy of the source and type of wastewater identified and subject to this manifest. **SECTION D GENERATOR SIGNATURE REQUIRED**

D. Signature of Generator or Agent: X _____ Date: 10/7/15

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Clear Brook

B. SCDPW Permit No: 501353 C. Vehicle License No: 6333HC D. Pump Out Date: 10/7/15

E. NYS DEC Permit No: 2A263

The above described liquid waste was picked up and hauled by me to the disposal facility named below and was discharged. I certify under penalty of perjury that the foregoing is true and correct.

F. Signature of authorized agent and title: Frank Colasuonno

4. **ACCEPTANCE BY CLEAR FLO TECHNOLOGIES, INC.** (must be completed by disposer)

The above hauler delivered the described wastewater to the disposal facility and it was accepted.

Disposal Date: 10-7-15 Sample ID No: 150201

Signature of authorized agent and title: _____

PINK-GENERATOR YELLOW-TRANSPORTER WHITE_DISPOSAL FACILITY GOLD-FILE

Truck 1705
WO #339875

CLEAR FLO TECHNOLOGIES, INC.
1170 A Rte. 109
N. Lindenhurst, N.Y. 11757
Tel: (631) 956-7600
Fax: (631) 956-7020

MANIFEST NUMBER		
Part 1	Part 2	Part 3
10/14/15	11:30	150675
Date of Pick-Up	Time of Pick-Up	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo-Receiving Station)

LIQUID WASTE DISCHARGE MANIFEST

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	**Gallons:** 4800	**Wt. In:**		**Wt. Out:**	
B. Type:	☐ Condensate Water	☐ Decant Grease	☐ Grease	☐ Industrial Rinse	☐ Leachate
	☐ Leachate Pool	☐ Pharmaceutical	☒ Septic/Septage	☐ Sludge	☐ Storm Water
	☐ STP Effluent	☐ Transfer Leachate	**Other:**		
C. Source	☐ Home/Apt.	☐ Office/Commercial	☐ Municipal	☐ Industrial	☐ Other

Description of Other and special handling instructions, if any _____

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Island Hills Golf Club B. Tel. No: _____

C. Complete Pickup Address: 458 Lakeland Ave Bayville NY

ALL WASTEWATERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE DISCHARGE PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge to the accuracy of the source and type of wastewater identified and subject to this manifest. **SECTION D GENERATOR SIGNATURE REQUIRED**

D. Signature of Generator or Agent: Amy J Reid (PMGC) Date: 10/14/15

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Clear Brook
B. SCDPW Permit No. Sam353-7 C. Vehicle License No. 63476 MC D. Pump Out Date: 10/14/15
E. NYS DEC Permit No.: 7A 763

The above described liquid waste was picked up and hauled by me to the disposal facility named below and was discharged. I certify under penalty of perjury that the foregoing is true and correct.

F. Signature of authorized agent and title: Adam Dz

4. **ACCEPTANCE BY CLEAR FLO TECHNOLOGIES, INC.** (must be completed by disposer)

The above hauler delivered the described wastewater to the disposal facility and it was accepted.

Disposal Date: 10-14-15 Sample ID No.: 150675

Signature of authorized agent and title: _____

PINK-GENERATOR YELLOW-TRANSPORTER WHITE_DISPOSAL FACILITY GOLD-FILE

WO # 539807
TRUCK # 1705

CLEAR FLO TECHNOLOGIES, INC.
1110 A Rte. 109
N. Lindenhurst, N.Y. 11757
Tel: (631) 956-7600
Fax: (631) 956-7020

MANIFEST NUMBER		
Part 1	Part 2	Part 3
10-14-15	0700	150637
Date of Pick-Up	Time of Pick-Up	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo-Receiving Station)

LIQUID WASTE DISCHARGE MANIFEST

1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler)

A. Volume:	**Gallons:** 4800	**Wt. In:**		**Wt. Out:**	
B. Type:	☐ Condensate Water	☐ Decant Grease	☐ Grease	☐ Industrial Rinse	☐ Leachate
	☐ Leachate Pool	☐ Pharmaceutical	☒ Septic/Septage	☐ Sludge	☐ Storm Water
	☐ STP Effluent	☐ Transfer Leachate	**Other:**		
C. Source	☐ Home/Apt.	☐ Office/Commercial	☐ Municipal	☐ Industrial	☐ Other

Description of Other and special handling instructions, if any _____

2. GENERATOR OF WASTEWATER (Sections 2A, 2B, & 2C must be completed by generator or hauler)

A. Complete Name (print or type): Island Hills Golf Club B. Tel. No: _____

C. Complete Pickup Address: 458 Lakeland Ave Sayville NY 11782

ALL WASTEWATERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE DISCHARGE PERMIT

The undersigned, being duly authorized, does hereby certify to the best of their knowledge to the accuracy of the source and type of wastewater identified and subject to this manifest. **SECTION D GENERATOR SIGNATURE REQUIRED**

D. Signature of Generator or Agent: Andrew Raulli (IHGC) Date: 10/14/15

3. **HAULER OF LIQUID WASTE** (Sections 3A, 3B, 3C, 3D and 3E must be completed by hauler)

A. Company name (print or type): Cesspool Brook
B. SCDPW Permit No: 50m353-7 C. Vehicle License No: 63476-MC D. Pump Out Date: 10/14/15
E. NYS DEC Permit No: 2A 763

The above described liquid waste was picked up and hauled by me to the disposal facility named below and was discharged. I certify under penalty of perjury that the foregoing is true and correct.

F. Signature of authorized agent and title: _____

4. **ACCEPTANCE BY CLEAR FLO TECHNOLOGIES, INC.** (must be completed by disposer)

The above hauler delivered the described wastewater to the disposal facility and it was accepted.

Disposal Date: 10-14-15 Sample ID No.: 150637

Signature of authorized agent and title: _____

PINK-GENERATOR YELLOW-TRANSPORTER WHITE_DISPOSAL FACILITY GOLD-FILE

PARTNER

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Island Hills Golf Course
500 Lakeland Avenue
Sayville, New York 11782

Report Date: September 25, 2017
Partner Project No. 17-196398.1

Prepared for:

NewGables Capital
477 Madison Avenue, 6th Floor
New York, New York 10022

PARTNER

September 25, 2017

NewGables Capital
477 Madison Ave, 6th Floor
New York, NY 10022

Attention: Mr. Steven Fischler, Partner

Subject: Phase I Environmental Site Assessment
Island Hills Golf Course
500 Lakeland Avenue
Sayville, New York 11782
Partner Project No. 17-196398.1

Dear Mr. Fischler:

Partner Assessment Corporation, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (904) 460-4641.

Sincerely,

William Marcus
Principal

cc: Curt Riggs, NewGables Capital

EXECUTIVE SUMMARY

Partner Assessment Corporation, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by SRF Ventures for the property located at 500 Lakeland Avenue in the Hamlet of Sayville, Town of Islip, Suffolk County, New York (the "subject property"). The Phase I Environmental Site Assessment is designed to provide SRF Ventures with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the west sides of Lakeland Avenue, Chester Road, and Carrie Avenue; the north sides of Stirling Place and Terry Road; the east side of Bohemia Parkway, and the south side of 11th Street, within a mixed residential area of Suffolk County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Addresses:	458, 500 Lakeland Avenue, Islip, New York
Additional Address:	450 Lakeland Avenue
Property Use:	Vacant former golf course
Land Acreage (Ac):	118.03 Ac
Number of Buildings:	Six (Clubhouse/banquet facility, Pro shop, pool house/snack bar, maintenance building, two single-family houses)
Number of Floors:	Two (single-family houses and Pro shop); with basements (Clubhouse, single-family houses)
Gross Building Area (SF):	1,527 SF (450 Lakeland Avenue); 1,106 SF (458 Lakeland Avenue); 37,851 SF (500 Lakeland Avenue)
Net Rentable Area (SF):	N/A
Dates of Construction:	1927 (original portion of clubhouse), 1940 (450 Lakeland Avenue and 458 Lakeland Avenue); 1954 (pool snack bar), 1957 (maintenance building, swimming pool, and Pro Shop)
Assessor's Parcel Numbers (APNs):	0500-28000-0100-002000 (458 Lakeland Avenue), 0500-28000-0100-003000, 0500-28000-0100-004000 (450 Lakeland Avenue), 0500-28000-0100-010000, 0500-28000-0100-015001 (500 Lakeland Avenue), 0500-28000-0100-016000, 0500-25700-0300-003000
Type of Construction:	Wood-framed, concrete foundations; vinyl, brick, and wood sidings
Current Tenants:	Former Island Hills Golf Club
Site Assessment Performed By:	David Bachman of Partner
Site Assessment Conducted On:	September 19, 2017

The subject property is currently occupied by the former Island Hills Golf Club (scheduled to be redeveloped for residential use), and primarily consists of grasslands and woods. Onsite operations consist of the following vacant buildings: Clubhouse/banquet facility, Pro shop, pool house, maintenance

building, and two single-family houses. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas, drained former water traps/small ponds, 19 inactive irrigation control boxes, and a covered swimming pool.

According to available historical sources, the subject property was formerly undeveloped as early as 1902; developed with the former golf course between 1927 and circa 2015; and developed with the current structures between 1927 and 1957. Tenants on the subject property have included Island Hills Golf Club (1927-2015).

The immediately surrounding properties consist of single-family houses to the north across 11th Street; single-family houses to the south across Stirling Place and southwest across Terry Road; single-family houses to the east across Chester Road and Carrie Avenue; single-family houses to the west across Bohemia Parkway, and an age-restricted luxury apartment complex across Lakeland Avenue to the northeast.

According to previous subsurface investigations and reports, the depth to groundwater in the vicinity of the subject property is inferred to be approximately 20-25 feet below ground surface (bgs) with flow toward the south.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during this assessment:

- Based on the historical information review, a commercial golf course operated at the subject property between 1927 and 2015. Based on previous studies at the subject property performed in 2006 and 2014, golf course-related chemicals (i.e., pesticides, herbicides, and fertilizers), were used and stored onsite. According to a subsurface investigation performed in 2006, 29 of 30 sample locations at the subject property exhibited surface soil sample results that exceeded regulatory criteria for semi-volatile organic compounds (SVOCs), metals, and/or pesticides. At some locations, the exceedances were as much as 100 times the regulatory level. Based on these reasons, Partner concludes that the former use of agricultural chemicals is expected to represent a significant environmental concern at this time. It should be noted that Partner has not received a response to a FOIA request from the Sussex County Health Department for inclusion into this report. Based on the soil contamination information regarding the subject property, the former golf course facility is considered a *recognized environmental condition*.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- Partner did not identify any CRECs during this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during this assessment:

- The subject property was formerly equipped with a 1,000-gallon gasoline underground storage tank (UST) that was removed in 2010 from the southwest portion of the property (Tank #2). A release from this UST was reported on December 21, 2005, which reportedly impacted soil only (Spill #0511071). The release occurred due to an apparent "bad check valve". The tank valve was reportedly repaired, and regulatory closure was obtained on March 21, 2006. As a result, the New York State Department of Environmental Conservation (NYSDEC) issued a No Further Action (NFA) letter to Island Hills Golf Club (responsible party) on March 31, 2006. A copy of the NFA letter is included in Appendix B of this report. Based on the regulatory closure, the former spill case is considered a historical recognized environmental condition, and no further action is considered necessary.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during this assessment:

- Due to the age of the subject property buildings, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Overall, all suspect ACMs and painted surfaces were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time. Identified suspect ACMs at the subject property would need to be sampled to confirm the presence or absence of asbestos prior to proposed demolition activities to prevent potential exposure to workers.

- The subject property is reported as a registered aboveground/underground storage tank (AST/UST) facility (Suffolk County Site #07235 and #11452). The site is registered with a 2,000-gallon gasoline UST that was installed in 1977 and removed in 1986 (Tank #1), and a 1,000-gallon gasoline UST that was installed in 1986 and removed in 2010 (Tank #2).

  The subject property is also listed with a 275-gallon diesel AST that was installed in 1979 and removed in 1998 (Tank #3); a chemical storage container of unknown size that was removed in 1998 (Tank #4), and a 300-gallon diesel AST that was permitted in 1999 and removed in 2004 (Tank #5). No significant releases or spills are associated with these listings. Based on the apparent absence of petroleum impacts and the regulatory status, these listings are not expected to represent a significant environmental concern.

- Various environmental-related reports, figures, and data was provided to the Client and, subsequently Partner for review. The information details remedial activities onsite over the last 11 years and correlates to the information obtained and reviewed by Partner during the course of this assessment. It outlines multiple phases of UST, AST, sanitary system, dry well, and storm drain sampling with only historical use soil remediation remaining. Based on the remedial

investigation conducted to date, these historical environmental concerns are not expected to represent a significant environmental concern.

Conclusions, Opinions, and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 500 Lakeland Avenue in the Hamlet of Sayville, Town of Islip, Suffolk County, New York (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of recognized environmental conditions and/or environmental issues in connection with the subject property. Based on the conclusions of this assessment and on the review of available data and the third-party provided reports, Partner concurs with P.W. Grosser Consulting (PWGC) investigative/remedial work conducted to-date, as well as their conclusions and recommendations for soil management/remediation. All work conducted to date (i.e., provided for review) appears to have been completed in accordance with and in respect to the appropriate regulatory and industry standards:

- Partner agrees that further management of onsite soils will be required if the subject property use changes, and that vertical mixing would be the most cost-efficient method for the amount of soil located at the Site.
- Furthermore, Partner concurs with PWGC scope of work. A Site Management Plan should be developed and approved by the appropriate regulatory agencies; perimeter air monitoring is usually required during projects of this scope; and soil sampling throughout the process will be necessary.
- Partner agrees that, prior to construction activities, all remaining environmental structures (storm drains and cesspools) should be closed and sampled as appropriate. Any remaining ASTs should be cleaned and properly disposed of. Soil beneath each AST should be sampled if there is any indication of staining, leakage, or other visual signs of possible AST failure (e.g., holes, pitting, corrosion, etc.).

Partner agrees that the dual scenario costing presented by PWGC is appropriate and the costs associated with each scenario appear reasonable based on the information provided. PWGC assumes all soil will remain onsite (to be reused during final site grading); as such, PWGC proposed costs do not include soil disposal. It should be noted that final construction plans or soil disposal, if needed, may affect cost overall.

Finally, Partner recommends that suspect ACMs at the subject property should be sampled to confirm the presence or absence of asbestos prior to proposed demolition activities.

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1.0 INTRODUCTION

Partner Assessment Corporation, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 500 Lakeland Avenue in the Hamlet of Sayville, Town of Islip, Suffolk County, New York (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential

exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

SRF Ventures engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of SRF Ventures. Either verbally or in

writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at *http://www.partneresi.com/terms-and-conditions.php*.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators, and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was not able to document the historical use of the subject property prior to 1902. The following sources were reviewed during the course of this assessment and found to be limited: aerial photographs were not available prior to 1938; topographic maps prior to 1902 were not reasonably ascertainable from local agencies; and other historical sources such as fire insurance maps and city directories did not provide coverage of the subject property. This data failure is not considered critical and does not change the conclusions of this report, as the 1938 aerial photograph revealed the subject property to be developed with the existing golf course. In addition, the adjacent and surrounding areas are also shown mostly as undeveloped woods, with a small residential development to the north of the subject property.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Information concerning historical use of the subject property was unavailable from 1919 to 1938 and from 1994 to 2006. Except for property tax files and recorded land title records, which

were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.

- Partner submitted Freedom of Information Act (FOIA) requests to the Town of Islip and he Suffolk County Health Department for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property and/or adjacent properties. As of this writing, these agencies have not responded to Partner's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 500 Lakeland Avenue in Islip, New York is located on the west sides of Lakeland Avenue (County Route 93), Chester Road, and Carrie Avenue; the north sides of Stirling Place and Terry Road (Hauppauge Road); the east side of Bohemia Parkway, and the south side of 11th Street. According to the Suffolk County Assessor, the subject property is legally described in District 500 as follows:

Section	Block	Lot	Address	Acreage
280	1	2	458 Lakeland Avenue	0.49
280	1	3	Lakeland Avenue	0.07
280	1	4	450 Lakeland Avenue	0.28
280	1	10	Chester Road	0.63
280	1	15.001	500 Lakeland Avenue	116.25
280	1	16	Chester Road	0.22
257	3	3	Lakeland Avenue	0.09
				118.03

Ownership is currently vested in Rechler-Equity Partners since 2017.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by the former Island Hills Golf Club (scheduled to be redeveloped for residential use), and primarily consists of undeveloped grasslands and woods. Onsite operations consist of the following vacant buildings: Clubhouse/banquet facility, Pro shop, pool house, maintenance building, and two single-family houses. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas, drained former water traps/small ponds, 19 inactive irrigation control boxes, and a covered swimming pool.

The subject property is designated for residential development by the Town of Islip.

The subject property was identified as a NY Underground Storage Tank / Aboveground Storage Tank (UST/AST) and NY Spills site in the regulatory database report, as further discussed in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed residential area of Suffolk County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	11th Street, beyond which are single-family houses (4910 Sunrise Highway; 7, 11, 15, 19, 21, 31 11th Street; 4 Hudson Avenue; and 639 Sayville Avenue)
South:	Single-family houses (763 and 766 Durham Road); Stirling Place, beyond which are single-family houses (6, 10, and 18 Stirling Place)
Southwest:	Terry Road, beyond which are single-family houses (122, 124, 126, 128, 136, 138, 140, 148, 168, 172, 204 Terry Road)
East:	Single-family houses (902, 936, 940, 944, 948, 952, 960, 964, and 968 Chester Road); Chester Road, beyond which are single-family houses (897, 901, 905, 911, 915, 919, 923, and 927 Chester Road); and Carrie Avenue, beyond which are single-family houses (27, 31, 35, 47, 51, 55, 59, 63, 67, 71, 79, and 83 Carrie Avenue; 224 and 225 Marion Street)
Northeast:	Lakeland Avenue, beyond which is Fairfield Knolls at Sayville apartment development (400 Adams Way)
West:	Bohemia Parkway, beyond which are single-family houses (616, 620, 624, 628, 632, 636, 640, 644, 648, 652, 656, 660, 664, 668, 672, 676, 680, 684, 692, 696, 700, 704, 708, 712, 716, 720, 724, 728, 732, 736, 740, 748, and 752 Bohemia Parkway)

Adjacent properties to the southeast, southwest, and west were identified as NY Spills sites in the regulatory database report of Section 4.2; and an adjacent property to the east was identified as a Historical Auto Station site in the regulatory database report.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Patchogue and Sayville, New York* Quadrangles 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, elevations at the subject property range between approximately 35 and 42 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping toward the south-southeast.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to a previous subsurface investigation conducted on the subject property (2006) the depth to groundwater at the subject property was identified to be approximately 20-25 feet below ground surface (bgs). According to topographic map interpretation, groundwater in the vicinity of the subject property is inferred to flow toward the south.

The nearest surface water in the vicinity of the subject property is Green Creek located approximately 2,000-feet southeast of the subject property. No settling ponds, lagoons, surface impoundments, apparent wetlands, or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Suffolk County Water Authority (SCWA) serves the subject property vicinity (Distribution Area 1). According to the 2015 SCWA Water Quality Report, shallow groundwater beneath the subject property is not utilized for domestic purposes. The source of public water for the Town of Islip is groundwater obtained from four (4) layered sandy geological formations that make up the Long Island Aquifer System.

2.4.3 Geology/Soils

The subject site is located within the Atlantic Coastal Plain Physiographic Province of the eastern United States within the region of New York state known as Long Island. Long Island's present configuration is primarily the result of glaciation that occurred during the Pleistocene Era, and predominantly during the last ice age (the Wisconsinian), which ended about ten thousand (10,000) years ago.

The geologic structure of Long Island is relatively uniform. The island is underlain by bedrock of the Precambrian system (Proterozoic Era), composed of crystalline metamorphic and igneous rock with a southeast slope. Lying over the bedrock is a wedge-shaped mass of unconsolidated material. The wedge of unconsolidated sediments ranges in thickness from zero where the bedrock surfaces near the East River, to 1,100 feet thick in the southeast part of Queens, to 2,000 feet thick in south-central Suffolk County. Two advances of the Wisconsin ice sheet during the Upper Pleistocene of the Quaternary Period caused the island to be blanketed with till, ice-contact stratified drift, outwash deposits, and deposits composed of clay, silt, sand, gravel, and boulders. The terminal moraines and the north shore are composed primarily of stratified drift with some till. The areas between the moraines and further south are mostly outwash deposits. Central and southern Long Island are of glaciofluvial origin.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as follows

- Riverhead sandy loam, 0 to 3 percent slopes (RdA) – This well-drained soil type is described as approximately two feet of sandy loam underlain by approximately one foot of gravelly loamy sand, and below three feet is described as stratified coarse sand to gravelly sand. The soil originated as loamy glaciofluvial deposits overlying stratified sand and gravel, and depth to water is greater than six feet.
- Riverhead and Haven soils, graded, 0 to 8 percent slopes (RhB) – This soil complex is comprised of approximately 45% Riverhead soils (described above), and approximately 35% Haven soils, with approximately 20% minor components. Haven soils are described as approximately two feet of loam underlain by ten inches of gravelly loam, and stratified gravely sand below 28 inches. Haven soils originated as loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits, and depth to water is greater than six feet.
- Deerfield sand (De) – This moderately well-drained soil is described as three inches of highly decomposed organic material underlain by sand. This soil originated as sandy glaciofluvial or deltaic deposits derived mainly from granite, gneiss, or sandstone. Depth to water is approximately two feet.

- Carver and Plymouth sands, 0 to 3 percent slopes (CpA) and 3 to 15 percent slopes (CpC) - These soil complexes are comprised of approximately 40% Carver soils and approximately 40% Plymouth Sands, with approximately 20% minor components. Carver soils are described as excessively well-drained, with one inch of highly decomposed organic material underlain by coarse sand. This soil originated as coarse sandy glaciofluvial deposits, and depth to water is greater than six feet. Plymouth Sand is described as excessively well-drained, with approximately two feet of sand underlain by gravelly coarse sand. This soil originated as acid sandy glaciofluvial or deltaic deposits, and depth to water is greater than six feet.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Numbers 36103C0690H and 36103C0901H, dated September 25, 2009, the subject property appears to be located in Zone X, an area located outside of the 100-year and 500-year flood plains.

A copy of the reviewed flood map is not included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1902-1927	Interviews, Topographic Maps	Undeveloped/Native land
1927-Present	Aerial Photographs, Interviews, Onsite Observations, Previous Report	Commercial (Island Hills Golf Club)

Tenants on the subject property have included Island Hills Golf Club (1927-Present). Potential environmental concerns were identified in association with the current or former use of the subject property, as further discussed in Section 5.2.6.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR) on September 11, 2017. The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date: 1938	*Scale: 1" =500'*
Subject Property:	Apparent as developed with the existing golf course, including a portion of the existing Clubhouse, one single-family house in the northeast portion (existing 458 Lakeland Avenue), and a small structure in the northeast corner.
North:	Apparent as primarily undeveloped woods across 11th Street, and developed with an apparent house, several undeveloped roads extending north from 11th Street, and a square excavated area (northeast).
South:	No coverage.
East:	Apparent as undeveloped woods across Chester Road and Lakeland Avenue.
West:	Apparent as undeveloped woods across Bohemia Parkway and Terry Road.

Date: 1947	*Scale: 1" =500'*
Subject Property:	One existing house is apparent in the northeast portion (450 Lakeland Avenue); no other significant changes visible.
North:	The roads north of 11th Street appear as developed, and an additional house is apparent.
South:	No significant changes visible.
East:	No significant changes visible.
West:	No significant changes visible.

Date: 1954	*Scale: 1" =500'*
Subject Property:	No significant changes visible, except that an addition is apparent on the south side of the Clubhouse, and the northeast small structure is larger (portion of current pool snack bar building).
North:	Developed across 11th Street with an apparent detention basin and storage yard (northeast), and existing Sunrise Highway is apparent as under construction further

Date: 1954		***Scale: 1" =500'***
	north.	
South:	No significant changes visible.	
East:	No significant changes visible.	
West:	No significant changes visible.	

Date: 1957		***Scale: 1" =500'***
Subject Property:	The existing maintenance building, swimming pool, and Pro Shop building are apparent.	
North:	No significant changes visible, except that the former storage yard is apparent as removed and Sunrise Highway is apparent as completed.	
South:	No significant changes visible.	
East:	No significant changes visible.	
West:	No significant changes visible; existing single-family houses are apparent further west.	

Date: 1962		***Scale: 1" =500'***
Subject Property:	No significant changes visible.	
North:	No significant changes visible, except that houses are apparent on the south side of Sunrise Highway.	
South:	No significant changes visible.	
East:	Several existing houses are apparent along both sides of Chester Road.	
West:	Several existing houses are apparent along the south side of Terry Road.	

Date: 1966		***Scale: 1" =500'***
Subject Property:	The existing Clubhouse is apparent as fully developed, and the golf cart storage building is apparent south of the Pro shop.	
North:	Two existing houses are apparent north of 11th Street.	
South:	No significant changes visible.	
East:	Existing houses are apparent as developed along Chester Road, and some existing houses are apparent along Carrie Avenue (southeast).	
West:	Existing houses are apparent along Bohemia Parkway.	

Date: 1970		***Scale: 1" =500'***
Subject Property:	No significant changes visible.	
North:	Additional existing houses are apparent north of 11th Street.	
South:	No significant changes visible.	
East:	No significant changes visible.	
West:	Existing houses are fully apparent along the south side of Terry Road.	

Date: 1976, 1980, 1985, 1994		***Scale: 1" =500'***
Subject Property:	No significant changes visible.	
North:	No significant changes visible, except that the former storage yard is apparent with three tennis courts.	
South:	No significant changes visible.	

Date:	*1976, 1980, 1985, 1994*	*Scale:*	*1" =500'*
East:	Apparent as developed with existing houses across Carrie Avenue.		
West:	No significant changes visible.		

Date:	*2006, 2008, 2009, 2011*	*Scale:*	*1" =500'*
Subject Property:	No significant changes visible.		
North:	No significant changes visible, except that the former tennis courts are apparent as removed.		
South:	No significant changes visible.		
East:	No significant changes visible, except that the existing apartment development is apparent to the northeast.		
West:	No significant changes visible.		

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Sanborn map coverage was not available for the subject property.

3.3 City Directories

City Directory coverage was not available for the subject property.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR on September 11, 2017. The following observations were noted to be depicted on the subject property and adjacent properties during the topographic map review:

Date:	*1902, 1903, 1904, 1919*
Subject Property:	Depicted as undeveloped.
North:	Depicted as undeveloped.
South:	Depicted as undeveloped.
East:	Depicted as undeveloped across Lakeland Avenue.
West:	Depicted as undeveloped across Terry Road.

Date:	*1942*
Subject Property:	Depicted as undeveloped woods.
North:	Depicted as undeveloped woods.
South:	No significant changes depicted.
East:	Depicted as undeveloped woods across Lakeland Avenue.
West:	Depicted as undeveloped woods.

Date:	*1947*
Subject Property:	Depicted with three small buildings in the northeast corner, and a dirt road is depicted as extending through the property from Bohemia Parkway (west) to the north end of Carrie Avenue (southeast).
North:	Depicted as developed with several streets extending northwesterly across 11th

Date: 1947	
	Street, and several small buildings (houses).
South:	Depicted as developed with existing streets.
East:	Depicted as developed with existing streets.
West:	Depicted across Bohemia Parkway as developed with dirt roads parallel to Bohemia Parkway.

Date: 1955, 1956	
Subject Property:	Depicted as developed with Island Hills Golf Club, including a small Clubhouse.
North:	Shaded pink across 11th Street, indicating fully developed.
South:	No significant changes depicted.
East:	No significant changes depicted.
West:	Shaded pink across Bohemia Parkway, indicating fully developed; no significant changes southwest.

Date: 1967, 1979	
Subject Property:	No significant changes depicted, except that the Clubhouse is apparent as larger.
North:	Depicted across 11th Street with existing streets, several houses, and an apparent retention pond (northeast).
South:	Shaded pink across Sterling Place and Terry Road, indicating fully developed.
East:	Depicted as developed with existing houses on both sides of Chester Road, and shaded pink across Carrie Avenue, indicating fully developed.
West:	No significant changes depicted.

Date: 2013	
Subject Property:	No buildings are shown.
North:	No buildings are shown.
South:	No buildings are shown across Sterling Place and Terry Road.
East:	No buildings are shown across Carrie Avenue, Chester Road, and Lakeland Avenue.
West:	No buildings are shown across Bohemia Parkway.

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	New York State Department of Environmental Conservation (NYSDEC)
Point of Contact:	http://www.dec.ny.gov
Agency Address:	Petroleum Bulk Storage (PBS) Database, Spills Incidents Database, and Environmental Site Remediation Database
Agency Phone Number:	(518) 402-9543
Date of Contact:	September 15, 2017
Method of Communication:	On-line
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the NYSDEC. NYSDEC does not maintain the PBS registration records for Suffolk County, and has delegated this authority to the Suffolk County Health Department.

4.1.2 Health Department

Regulatory Agency Data	
Name of Agency:	Suffolk County Health Department (SCHD)
Point of Contact:	Ms. Michelle Rosen
Agency Address:	360 Yaphank Avenue, Yaphank, New York
Agency Phone Number:	(631) 852-5810
Date of Contact:	September 15, 2017
Method of Communication:	U.S. Mail
Summary of Communication:	Partner has received correspondence from the SCDHS indicating that requested information will be provided no earlier than approximately October 16, 2017.

4.1.3 Fire Department

Regulatory Agency Data	
Name of Agency:	Suffolk County Department of Fire, Rescue, and Emergency Services (SCDFRES)
Point of Contact:	Ms. Susan M. Nielsen, Freedom of Information Officer

Regulatory Agency Data	
Agency Address:	102 East Avenue, Yaphank, New York
Agency Phone Number:	(631) 852-4855
Date of Contact:	September 15, 2017
Method of Communication:	U.S. Mail
Summary of Communication:	As of the date of this report, Partner has not received a response from the SCDFRES for inclusion in this report.

4.1.4 Building Department

Regulatory Agency Data	
Name of Agency:	Islip Building Department (IBD)
Point of Contact:	Mrs. Olga Murray, Town Clerk
Agency Address:	655 Main St, Islip, New York
Agency Phone Number:	(631) 224-5490
Date of Contact:	September 15, 2017
Method of Communication:	Email
Summary of Communication:	Partner has received correspondence from the IBD indicating that requested information will be provided no earlier than approximately October 16, 2017.

4.1.5 Planning Department

Regulatory Agency Data	
Name of Agency:	Town of Islip Planning Department (TIPD)
Point of Contact:	http://gis2.suffolkcountyny.gov/GISViewer/
Agency Address:	100 Veterans Memorial Highway, Hauppauge, New York
Agency Phone Number:	(631) 853-5593
Date of Contact:	September 15, 2017
Method of Communication:	On-line
Summary of Communication:	According to records reviewed, the subject property is zoned for residential development by the Town of Islip.

4.1.6 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Town of Islip Tax Assessor (TITA)
Point of Contact:	http://www.townofislip-ny.gov/departments/assessor/assessment-roll

Regulatory Agency Data	
Agency Address:	40 Nassau Avenue, Islip, New York
Agency Phone Number:	(631) 224-5585
Date of Contact:	September 15, 2017
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is identified by Assessor Parcel Numbers (APNs) 0500-28000-0100-002000, 0500-28000-0100-003000, 0500-28000-0100-004000, 0500-28000-0100-010000, 0500-28000-0100-015001, 0500-28000-0100-016000, 0500-25700-0300-003000. The cumulative property is reportedly under contract with Rechler Equity Partners. The current buildings were constructed in 1985, and totals approximately 4,500 square feet on a 0.43 acre lot.

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4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	N	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	**Y**	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	**Y**	**Y**	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	**Y**	N
EDR US Hist Cleaners	Varies	N	N	N

4.2.2 Subject Property Listings

The subject property is identified as a UST/AST and NY Spills site in the regulatory database report, as discussed below:

- The subject property, identified as **Island Hills Golf Club** at County Road 93 (Lakeland Avenue), is reported as a UST facility (Suffolk County Site #11452). The site is registered with a 2,000-gallon gasoline UST that was installed in 1977 and removed in 1986 (Tank #1), and a 1,000-gallon gasoline UST that was installed in 1986 and removed in 2010 (Tank #2).

  The subject property is also listed with a 275-gallon diesel AST that was installed in 1979 and removed in 1998 (Tank #3); a chemical storage container of unknown size that was removed in 1998 (Tank #4), and a 300-gallon diesel AST that was permitted in 1999 and removed in 2004 (Tank #5). With exception of the below-listed spill, no other releases or spills are associated with these listings. Based on the apparent absence of petroleum impacts and the regulatory status, these listings are not expected to represent a significant environmental concern.

- The subject property is also listed as an Orphan Site (See Section 4.2.5), identified as **Island Hills Golf Club** at County Road 93 (Lakeland Avenue), and is reported as Suffolk County Site #07235 as a UST/AST facility. The site is registered with a 2,000-gallon gasoline UST that was removed in 1986 (Tank #1), and a 1,000-gallon gasoline UST that was removed in 2010 (Tank #2). These are the same as the listing described above.

  The subject property is also listed with a 275-gallon diesel AST that was installed in 1979 and removed in 1998 (Tank #3); a chemical storage container of unknown size that was removed in 1998; an active 300-gallon diesel AST that was permitted in 1999 (Tank #5); and a 1,000-gallon gasoline AST that was permitted in 2010 (Tank #6). With exception of the below-listed spill, no other releases or spills are associated with these listings. Based on the apparent absence of petroleum impacts and the regulatory status, these listings are not expected to represent a

significant environmental concern. Further information of tanks observed by Partner at the subject property is provided in Section 6.2.2.

- The subject property, identified as **Island Hills Golf Club** at 458 Lakeland Avenue, reported a release of gasoline on December 21, 2005, which reportedly impacted soil only (Spill #0511071). The subject property was formerly equipped with a 1,000-gallon gasoline underground storage tank (UST) that was removed in 2010 from the southwest portion of the property (Tank #2). The release occurred due to an apparent "bad check valve". The tank valve was reportedly repaired, and regulatory closure was obtained on March 21, 2006. As a result, the New York State Department of Environmental Conservation (NYSDEC) issued a No Further Action (NFA) letter to Island Hills Golf Club (responsible party) on March 31, 2006. A copy of the NFA letter is included in Appendix B of this report. Based on the regulatory closure, the former spill case is considered a historical recognized environmental condition, and no further action is considered necessary.

4.2.3 Adjacent Property Listings

Adjacent properties to the southeast, southwest and west were identified as NY Spills sites in the regulatory database report; and an adjacent property to the east was identified as a Historical Auto Station site in the regulatory database report, as discussed below:

- The property identified as **Unknown** at 67 Carrie Avenue, is located adjacent to the east of the subject property. This site reported a release of transformer oil on February 17, 2016, which reportedly impacted soil only (Spill #1511062). The release occurred due to an unidentified transformer incident, the responsible party is identified as Public Service Electric & Gas/ Long Island Power Authority (PSE&G/ LIPA), clean-up was pending, and regulatory closure was not reported. Based on the absence of significant petroleum-impacted soil, distance of the impacted soil to the subject property boundary, and the regulatory oversight, this listing is not expected to represent a significant environmental concern, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.
- The property identified as **Curcio Residence** at 168 Terry Road, is located adjacent to the southwest of the subject property. This site reported a release of approximately 40-gallons of fuel oil #2 on January 7, 2012, which reportedly impacted soil only (Spill #1111813). The release occurred due to a hole in an AST, the spill was contained to the concrete floor in the basement and cleaned-up. The responsible party is identified as a private dwelling, and regulatory closure was obtained on January 31, 2012. Based on the absence of petroleum-impacted soil, distance of the impacted soil to the subject property boundary, and the regulatory closure, this listing is not expected to represent a significant environmental concern, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.
- The property identified as **Unknown** at 640 Bohemia Parkway, is located adjacent to the west of the subject property. This site reported a release of approximately one-gallon of transformer oil on July 27, 2010, which reportedly impacted soil only (Spill #1004768). The release occurred due

to a downed pole, the responsible party is identified as National Grid/LIPA, and regulatory closure was obtained on June 6, 2011. Based on the removal of petroleum-impacted soil, distance of the impacted soil to the subject property boundary, and the regulatory closure, this listing is not expected to represent a significant environmental concern, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

- The property identified as **Long Island Touch-Up, Inc.** at 948 Chester Road, is located adjacent to the east of the subject property. This site is reported as a EDR Historical Auto Station as a General Automotive Repair Shop from 2011 to 2013. No release or spill is documented from this facility on any other database. Based on the absence of reported petroleum impact, distance of the impacted soil to the subject property boundary, and the absence of regulatory concern, this listing is not expected to represent a significant environmental concern, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

4.2.5 Orphan Listings

The subject property is identified as a AST/UST site in the regulatory database report, as previously discussed in Section 4.2.2.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from SRF Ventures (User of this report).

User Responsibilities				
Item	**Provided by User**	**Not Provided by User**	**Discussed Below**	**Does Not Apply**
Environmental Pre-Survey Questionnaire			**X**	
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other		**X**		

5.1 Interviews

5.1.1 Interview with Owner

Mr. Bryan Devaux, subject property owner representative, was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Devaux, the subject property was developed in 1927 for commercial use. Prior to that, the subject property was undeveloped. Mr. Devaux further stated that there are no USTs, clarifiers, oil/water separators, groundwater monitoring wells, or hazardous substance use/storage/generation on the subject property to the best of his knowledge. According to Mr. Devaux, previous investigations were conducted, as further discussed in Section 5.2.6.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. Because the Report User (Client) is a lender, it is understood that the Report User would not have knowledge of the property that would significantly impact our ability to satisfy the objectives of this assessment. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

Interview with Mr. Bryan Devaux, key site manager, is discussed in Section 5.1.1.

5.1.4 Interviews with Past Owners, Operators, and Occupants

Interviews with past owners, operators, and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.1.5 Interview with Others

The subject property is not an abandoned property as defined in ASTM 1527-13; therefore, interviews with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase II, Island Hills Golf Club, Sayville, New York, P.W. Grosser Consulting, Inc. (July 2006)

P.W. Grosser Consulting, Inc. (PWGC) prepared this report on behalf of R Squared LLC, to address fifteen recognized environmental conditions (RECs) identified in an April 2006 *Phase I Environmental Site Assessment Report* (Phase I) by PWGC. The 2006 Phase I Report was not provided for review; however, an updated 2014 Phase I Report is summarized below. Pertinent information contained in the PWGC Phase II report is as follows:

- PWGC reported that the subject property was operated as a golf course from 1927, and consisted of an 18-hole golf course with various buildings (including a club house, pool house, pro-shop, pump house, and central and southern maintenance buildings) covering approximately 113 acres. Paved parking areas for the Pool and Club Houses were located in the northeast portions of the subject property.
- PWGC field activities were performed in May 2006, and a total of 48 samples were collected (42 soil and 6 groundwater). Sample results indicated that further investigation and/or remedial action was warranted, including a Site-specific Soil Management Plan (SMP) with significant site-wide soil removal and further groundwater monitoring.
- PWGC reported that, "due to site access limitations, five leaching structures were not sampled; one associated with the Central Maintenance Building and four relative to the Club House." Further investigation/remediation for the septic/sanitary systems was recommended.
- Additionally, PWGC reported that "proper closure of below-grade structures and compliance with waste drum storage and storage tank regulations is necessary. Based upon site conditions it is likely that there is a former sanitary structure associated with the Pro-Shop and it is recommended that this structure be located, sampled, and properly closed in accordance with SCDHS [Suffolk County Department of Health Services] protocol. In addition, it is recommended that the waste drums in the landscape debris area and their contents be properly characterized and disposed, and a SCDHS compliant staging area be established. There are three issues associated with petroleum storage relative to the support buildings that require action. On-site

petroleum storage tanks are not in compliance and require registrations as well as upgrades. Also, there is an inactive underground storage tank located inside the Pro-Shop beneath the concrete floor in the golf cart storage area that should be registered and properly abandoned. In addition, relative to the Pro-Shop there is a fuel oil above ground storage tank that does not comply with SCDHS requirements, and it is recommended the tank be upgraded."

Review of 2006 Phase II Report Letter, PWGC (October 10, 2013)

PWGC prepared this letter review and reassessment of their 2006 Phase I and Phase II on behalf of R Squared LLC, in accordance with protocols of the SCHDS and New York State Department of Environmental Conservation (NYSDEC). Pertinent information contained in this report is as follows:

- The original reports included Parcels 1 and 2, which included residential lots and the Clubhouse parking lot, as well as the "primary" lot ("consisting of the golf course area under the TIC [*unknown abbreviation*]"). This letter reassessed the conclusions of the Phase II based on updated regulatory standards and practices.
- The first issue was related to the tank registration lapses and estimated costs to bring the site back into compliance with the SCHDS. Based on PWGC's experience, they believed that the SCDHS was less likely to levy fines; therefore, the initial proposal should be lower in cost.
- The second issue was associated with the abandonment of a 550-gallon underground storage tank (UST). Assuming that the tank had not leaked, PWGC stated that their original estimate was valid.
- Underground Injection Control (UIC; aka, septic system) structures were identified in the Phase II with elevated levels of dichlorobenzene in a sanitary leaching pool (S-4). As this system is located in the parking lot of the Clubhouse, it was not to be part of the proposed property transfer. Therefore, the remediation of remaining UIC structures would be less than originally proposed.
- Groundwater exceedances were identified in the Phase II Report, and revealed to include multiple metal exceedances. PWGC recommended re-collecting groundwater samples and analyzing for both total and dissolved metals, plus pesticides and herbicides.

The Phase II Report also identified pesticides (chlordane and heptachlor epoxide) and fungicides (mercury) in soils, which they recommended remediating via soil removal. Since the time of the 2006 recommendation, the NYSDEC has prepared risk-based soil objectives (NYSDEC CP-51/6 NYCRR Part 375). As stated by PWGC, "The newer soil cleanup objectives allow for less stringent cleanup objectives depending upon site use." As such, instead of the originally-proposed across-the-site soil removal, PWGC recommended an approach consisting of soil mixing and capping, which, "can be integrated into redevelopment of the property and avoid costly soil disposal." PWGC stated that they could not "estimate the differential cost to address the impacted soils during development, as the cost will be dependent upon the nature of the development and the total area to be developed, but the cost would be significantly less than the cost to remove soil across the entire property."

Phase I Environmental Site Assessment, 458 Lakeland Avenue, Sayville, New York, PWGC (December 2014)

PWGC prepared this report on behalf of R Squared Real Estate Partners, LLC. The assessment was performed in general accordance with ASTM Standard E1527-13. The assessment consisted of a site reconnaissance, interviews with knowledgeable personnel, review of historical information; a review of federal, state and local regulatory databases; and included a limited asbestos survey and limited lead paint survey. Pertinent information contained in this report is summarized below:

- At the time of the 2014 assessment, the subject property was occupied by an active golf course.
- According to the PWGC report, the subject property was operated as a golf course since 1938 (other sources states 1927) , and was formerly occupied by undeveloped land.
- PWGC identified one 1,000-gallon gasoline AST and one 300-gallon diesel AST associated with the maintenance building in the southwest portion of the subject property, and one 550-gallon fuel oil AST was identified northeast of the Pro Shop building in the northeast portion of the subject property. In addition, a 550-gallon UST was identified by PWGC in the golf cart storage area of the Pro-shop.
- Oil and hazardous substances were identified at the subject property in the form of cleaners and paints in the Clubhouse building; the pool building contained empty five-gallon containers of chlorine; the maintenance building contained drums of motor oil, lubrication oil, five-gallon pails of waste oil, paint and paint thinner, and a 200-gallon polyethylene tank of liquid fertilizer; and a chemical storage trailer adjacent to the maintenance building contained herbicides, insecticides, and fungicides. No leaks, spills, or staining was observed around any of the stored materials.
- PWGC reviewed a previous Phase I Environmental Site Assessment report for the subject property prepared by PWGC and dated June 30, 2006. According to this previous report, similar recommendations (RECs) outlined in the 2014 report were provided.
- As part of the 2014 assessment, PWGC conducted a limited survey for the presence of asbestos-containing material (ACM) at the subject property. As a result of this limited survey, the only evidence of potential ACM that PWGC observed during the site reconnaissance was roof material and window caulking.

PWGC identified the following RECs/environmental concerns/non-ASTM scope issues/etc. and recommendations:

1. A closed 2005 spill on the property was related to a faulty valve connected to the former 1,000-gallon gasoline UST. This tank was identified during the previous Phase I (2006) and was removed prior to the 2014 inspection. Based upon this information, the spill associated with this tank was considered an HREC.
2. A 550-gallon UST was identified by PWGC in the golf cart storage area of the Pro Shop. In 2006, this UST was determined by PWGC to be inactive and was recommended to be abandoned. Based on the continued presence of the 550-gallon UST, this tank was still an REC.

3. PWGC identified potential subsurface impacts from storm-water drywells located throughout the property, floor drains in the buildings discharging to onsite sanitary systems, and a maintenance pit located in the South Maintenance Building. Several of these structures were reportedly sampled by PWGC and identified to be impacted in 2006; however, remediation was reportedly not performed. Based upon this information, these structures remained a REC in 2014.
4. The historical use of the subject property as a golf course, specifically herbicide and pesticide use, was considered a REC.

PWGC's recommendations included a Phase II to assess the cesspools, maintenance pit, and storm-water drywells via soil sampling; UST removal and sampling, as warranted; and stated that the herbicides and pesticides should be assessed if the current site use changes.

Site Remediation Results Letter/Report, PWGC (October 2015)

PWGC prepared this report to inform R Squared LLC and Hudson Realty Capital, Inc., of investigative and remedial activities which were performed in October 2015 to address the outstanding UIC structures and USTs across the subject property, as was identified during previous Phase I/II activities. Pertinent information contained in this report is as follows:

- Identified Concerns:
  - A suspected UST was identified in the golf cart parking area of the Pro Shop.
  - A sanitary vent was identified in the golf cart parking area of the Pro Shop, which appeared to be connected to a sanitary system located south of the building. The potential for a former cesspool was present and could not be ruled out.
  - Central Maintenance/Bathroom building had an associated onsite sanitary system which was not sampled in 2006.
  - Two onsite sanitary systems associated with the Clubhouse were found to have elevated concentrations in 2006.
  - Three issues were identified associated with the South Maintenance building, including a storm drain (SD-3), which had elevated levels of mercury; a cesspool (SS-6) that contained elevated levels of two SVOCs; and a vehicle maintenance pit was identified and contained visibly impacted sediments.
- Corrective Actions:
  - A shallow excavation was conducted in the Pro Shop and a 330-gallon UST was encountered and removed. No signs of contamination were noted and there were no signs of holes in the UST. The tank was cleaned and properly disposed of. A soil sample was collected and no compounds were detected over the *NYSDEC CP-51 Unrestricted Use Soil Cleanup Objective*. "Based upon these results, PWGC has no further recommendations with regards to the Pro Shop UST."
  - A test pit was conducted near the sanitary vent in the Pro Shop. As reported by PWGC, "Excavation of the area revealed the presence of a sanitary pipe which ran south towards the known cesspool to the south. No evidence of an additional UIC structure, such as

pre-cast rings, block, or piping was noted in the exploratory test pit. Based upon the lack of such evidence, PWGC had no further recommendations with regard to this concern."

- PWGC collected a sediment sample from the cesspool (SS-5) associated with the Central Maintenance Area and compared to *SCDHS SOP 9-95 Action Levels*. There were no exceedances; therefore, PWGC stated that remediation of the cesspool is not required.
- To investigate the UIC structures associated with the Clubhouse, PWGC completed geophysical assessment to locate three cesspools associated with septic tank SS-3. Remediation was performed via pumping out the septic tank with subsequent inspection (no crack or holes were observed). As the structure was solid, no sampling was required. The three overflow pools were pumped out and sediments were removed until visibly clean sediments were encountered. Approximately 1-2 feet of sediment was removed and endpoint samples were collected. There were no exceedances; therefore, PWGC stated that remediation of the cesspool is not required.
- To investigate and remediate the South Maintenance Building, the cesspool associated with sanitary system SS-6 was located and approximately 2-3 of sediment was removed, and an endpoint sample was collected. Additionally, two storm drains associated with the building were cleaned and sediments were removed. Upon completion, endpoint samples were collected from the base of each structure. Finally, a guzzler truck was employed to remove sediments from the base of the maintenance pit. Approximately one foot of sediment was removed, at which point a 1.5 foot by 1.5-foot hole was observed in the bottom of the pit to act as a drain. PWGC directed removal of an additional 1.5 feet of sediment, at which point an endpoint sample was collected. All samples were compared to the SCDHS Action Levels; no exceedances were noted; therefore, PWGC stated that no further investigation/remediation was warranted.
- PWGC stated that, "With the completion of this investigative and remedial effort, the outstanding UST and UIC issues as identified in the 2006 PWGC Phase II assessment have been addressed and PWGC has no further recommendations at this time."

Soil Management Cost Assessment Letter, completed by PWGC (October 2015)

PWGC prepared this Letter to inform R Squared LLC and Hudson Realty Capital, Inc., of costs associated with soil management due to site use change:

- During the 2006 Phase I/II assessment, elevated concentrations of various chlorinated pesticides and metals were identified. As stated by PWGC, "the presence of these compounds was consistent with the application of turf management chemical[s] on the golf course since the 1920's when golf course operations began." Initially PWGC had no remedial recommendations since the site use was to remain unchanged; however, management would be required to remediate in the future if the site use would change.
- PWGC stated that the unique nature of golf courses tends to keep residual turf chemicals within the top 6" of the soil since site soils are not significantly disturbed once the course is established.

- PWGC went on to state that vertical mixing would be a viable, more cost-efficient option, rather than excavation and disposal. "The shallow soils would be mixed with cleaner, deeper soil in order to dilute soil concentration to an acceptable level."
- Mixing would be used in conjunction with typical construction procedures—removal of the "top two feet of surface soils/top soil so that grading of the sub base can be performed. At the completion of construction, the surface soils are returned during final site grading. It is anticipated that the normal removal, stockpiling, and re-grading of the sites will be sufficient to vertically mix the soils and that additional mitigation measure would not be required."
- PWGC states that conducting additional sampling of soil and the installation of monitoring wells would be required in order to further assess the residual turf maintenance chemicals at the site and assess the soil mixing requirements. After which, a Soil Management Plan (SMP) would be completed and submitted to local/county regulatory agencies, as appropriate. PWGC also stated that perimeter air monitoring would likely be required for dust management, and regular soil sampling would be required to assess whether the mixing effort was sufficient. Finally, a final engineering report would be prepared to summarize all activities for this project and provide compliance with the SMP. Additionally, abandonment of current storm drains and cesspools, and the removal of the AST associated with the Pro Shop would also be completed.
- Based on this plan of action, PWGC provided costs under two scenarios:
    - *High-Density Development* (high density housing), which would be less costly, as parking areas and buildings would be considered as "caps" for the soils and would require less testing. Additionally, soil guidance values are less strict than the Single-Family Home scenario.
    - *Single Family Homes*, which would include development of property with family homes on one acre lots. As there would be less capped areas, there would be additional sampling requirements. Additionally, soil guidance values are stricter, so PWGC anticipated that supplemental clean fill might be required to obtain the desired guidance values.

As such, PWGC estimated a total of $262,000 for the High-Density scenario, and $469,845 for the Single-Family Home Scenario.

Copies of pertinent pages reviewed are included in Appendix B of this report.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was overcast and raining. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	David Bachman
Site Assessment Conducted On:	September 19, 2017

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for 500 Lakeland Avenue (Subject Property)			
Name	**Title/Role**	**Contact Number**	**Site Walk* Yes/No**
Mr. Bryan Devaux	Key Site Manager	(631) 521-4889	Yes
Mr. Frank Cramer	Maintenance Supervisor	(631) 414-8407	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

Environmental concerns were identified during the onsite reconnaissance related to current/former ASTs/USTs, and indications of former subsurface investigations, as further discussed in Sections 6.1 and 6.2.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Due to the vacant status of the subject property, no solid waste is currently generated at the subject property.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property were previously directed into individual septic systems, as further discussed in Section 6.1.7.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by ground infiltration. Site storm water from roofs, landscaped areas, and paved areas is directed to on-site dry wells, which are discussed in Section 5.2.6.

The subject property is not mapped as a designated wetland area, based on information obtained from the United States Fish & Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, apparent wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. Drywells were identified on the subject property, as discussed in Section 5.2.6.

6.1.4 Source of Heating and Cooling

Heating and cooling systems as well as domestic hot water equipment were previously fueled by electricity, natural gas, and fuel oil provided by PSE&G/LIPA (electric), National Grid (natural gas), and fuel oil (two single-family houses, Pro Shop). The mechanical system for the Clubhouse Building was comprised of a split system with central units and interior air-handlers, and rooftop-mounted packaged electric/natural gas split HVAC units. Natural gas-fired boilers heated the maintenance building, and oil-fired boilers were observed in the Pro Shop and two single-family houses. Hot water was provided by central natural gas boiler units in the Clubhouse Building, and individual natural gas/electric hot water heaters in the other buildings.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property was previously disposed by means of septic systems. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

Individual septic systems were observed and reported on the subject property, discussed as follows:

- The Clubhouse was reportedly serviced by three septic systems. The northern portion of the Clubhouse (men's and women's locker rooms, small laundry room, and a bar area) was split into two sanitary systems north and west of the building, and the southern portion of the Clubhouse (kitchen and banquet room bars) was serviced by a separate septic system located under the parking lot east of the Clubhouse building. Grease from kitchen wastes was separated in a grease trap prior to discharge into the septic system.
- The sanitary system associated with the Maintenance Building is located below grade south of the building.
- The sanitary system associated with the Pro Shop is located south of the building.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

Partner identified hazardous substances used, stored, and/or generated on the subject property as noted in the following table:

Hazardous Substances and/or Petroleum Products Noted Onsite

Substance	Container Size	Location	Nature of Use	Disposal Method
Hydraulic oil	2 x five-gallon buckets	Maintenance building	Repair Activities	Previously transported off-site by Safety-Kleen

Hazardous Substances and/or Petroleum Products Noted Onsite				
Substance	**Container Size**	**Location**	**Nature of Use**	**Disposal Method**
Oils/ lubricants	Various small commercial units	Maintenance building	Repair Activities	Previously transported off-site by Safety-Kleen
Paints	One-gallon cans	450 Lakeland Avenue	Routine Maintenance	N/A
Fuel oil	500-gallon AST	Pro Shop	Building heat	N/A

The materials were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. Secondary containment is not provided. Based on the nature of use, overall small quantities observed, and lack of violations on-file with the local fire department, these materials are not expected to represent a significant environmental concern.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

Partner observed one 500-gallon aboveground storage tank (AST) and two 275-gallon ASTs for the storage of fuel oil on the subject property. The 500-gallon AST is located in the northeast portion of the subject property, to the northeast of the Pro Shop building, and the two 275-gallon ASTs are located in the basements of the two single-family houses. No staining, leaks or spills were noted in the vicinity of the ASTs, and no releases have been reported.

USTs and ASTs removed from the property are discussed in Section 5.2.6.

6.2.3 Evidence of Releases

No significant spills, stains, or other indications that a surficial release has occurred at the subject property were observed. However, oil staining was observed on the concrete floor around the 275-gllon fuel oil AST at 458 Lakeland Avenue.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "*Non-PCB;*" 2) 50 ppm-500 ppm – "*PCB-Contaminated;*" and, 3) Greater than 500 ppm – "*PCB-Containing.*" The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

The on-site reconnaissance addressed indoor and outdoor transformers that may contain PCBs. One pad-mounted transformer was observed on the subject property. The transformer is not labeled indicating PCB content. No staining or leakage was observed in the vicinity of the transformer. PSE&G maintains ownership and operational responsibility for the transformer. Based on the good condition of the equipment, the transformer is not expected to represent a significant environmental concern.

Additionally, no other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent, or Noxious Odors

No strong, pungent, or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps, and Clarifiers

Floor drains were observed in on-site bathrooms and the Clubhouse kitchen. As discussed in Section 6.1.7, these floor drains discharge to individual septic systems.

No other drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property buildings were constructed between 1927 and 1957. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect ACMs at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs			
Suspect ACM	**Location**	**Friable Yes/No**	**Physical Condition**
Drywall Systems	Throughout Building Interiors	No	Good
Floor Tiles	Throughout Building Interiors	No	Good
Floor Tile Mastic	Throughout Building Interiors	No	Good
Roofing Materials	Roofs	No	Good
Stucco, vinyl, wood	Throughout Building Exteriors	No	Good

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, assessment, and evaluation will be warranted for any other use.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Based on the age of the subject property buildings (pre-1978), there is a potential that LBP is present. Interior and exterior painted surfaces were observed in good condition and therefore not expected to represent a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Suffolk County Water Authority (SCWA) serves the subject property vicinity (Distribution Area 1). The source of public water for the Town of Islip is groundwater obtained from four (4) layered sandy geological formations that make up the Long Island Aquifer System. According to the 2015 SCWA Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas for the subject property buildings for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this ESA should not be used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

The following indications of water damage or mold growth were observed during Partner's visual assessment:

Mold Observations	
Location of area affected	**Condition**
Clubhouse basements	Water staining, musty odor
Pro Shop lower level	Apparent water staining and seepage
Pool house	Apparent water staining, wood deterioration
458 Lakeland Avenue	Musty odor, apparent water staining on floors and walls in basement

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during this assessment:

- Based on the historical information review, a commercial golf course operated at the subject property between 1927 and 2015. Based on previous studies at the subject property performed in 2006 and 2014, golf course-related chemicals (i.e., pesticides, herbicides, and fertilizers), were used and stored onsite. According to a subsurface investigation performed in 2006, 29 of 30 sample locations at the subject property exhibited surface soil sample results that exceeded regulatory criteria for semi-volatile organic compounds (SVOCs), metals, and/or pesticides. At some locations, the exceedances were as much as 100 times the regulatory level. Based on these reasons, Partner concludes that the former use of agricultural chemicals is expected to represent a significant environmental concern at this time. It should be noted that Partner has not received a response to a FOIA request from the Sussex County Health Department for inclusion into this report. Based on the soil contamination information regarding the subject property, the former golf course facility is considered a *recognized environmental condition*.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- Partner did not identify any CRECs during this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during this assessment:

- The subject property was formerly equipped with a 1,000-gallon gasoline underground storage tank (UST) that was removed in 2010 from the southwest portion of the property (Tank #2). A release from this UST was reported on December 21, 2005, which reportedly impacted soil only (Spill #0511071). The release occurred due to an apparent "bad check valve". The tank valve was reportedly repaired, and regulatory closure was obtained on March 21, 2006. As a result, the New York State Department of Environmental Conservation (NYSDEC) issued a No Further Action (NFA) letter to Island Hills Golf Club (responsible party) on March 31, 2006. A copy of the NFA letter is included in Appendix B of this report. Based on the regulatory closure, the former spill

case is considered a historical recognized environmental condition, and no further action is considered necessary.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during this assessment:

- Due to the age of the subject property buildings, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Overall, all suspect ACMs and painted surfaces were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time. Identified suspect ACMs at the subject property would need to be sampled to confirm the presence or absence of asbestos prior to proposed demolition activities to prevent potential exposure to workers.

- The subject property is reported as a registered aboveground/underground storage tank (AST/UST) facility (Suffolk County Site #07235 and #11452). The site is registered with a 2,000-gallon gasoline UST that was installed in 1977 and removed in 1986 (Tank #1), and a 1,000-gallon gasoline UST that was installed in 1986 and removed in 2010 (Tank #2).

  The subject property is also listed with a 275-gallon diesel AST that was installed in 1979 and removed in 1998 (Tank #3); a chemical storage container of unknown size that was removed in 1998 (Tank #4), and a 300-gallon diesel AST that was permitted in 1999 and removed in 2004 (Tank #5). No significant releases or spills are associated with these listings. Based on the apparent absence of petroleum impacts and the regulatory status, these listings are not expected to represent a significant environmental concern.

- Various environmental-related reports, figures, and data was provided to the Client and, subsequently Partner for review. The information details remedial activities onsite over the last 11 years and correlates to the information obtained and reviewed by Partner during the course of this assessment. It outlines multiple phases of UST, AST, sanitary system, dry well, and storm drain sampling with only historical use soil remediation remaining. Based on the remedial investigation conducted to date, these historical environmental concerns are not expected to represent a significant environmental concern.

Conclusions, Opinions, and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 500 Lakeland Avenue in the Hamlet of Sayville, Town of Islip, Suffolk County, New York (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of recognized environmental conditions and/or environmental issues in connection with the subject property. Based on the conclusions of this assessment and on the review of available data and the third-party provided reports, Partner concurs with P.W. Grosser Consulting (PWGC) investigative/remedial work conducted to-date, as well as their conclusions and recommendations for soil management/remediation. All work conducted to date (i.e., provided for

review) appears to have been completed in accordance with and in respect to the appropriate regulatory and industry standards:

- Partner agrees that further management of onsite soils will be required if the subject property use changes, and that vertical mixing would be the most cost-efficient method for the amount of soil located at the Site.
- Furthermore, Partner concurs with PWGC scope of work. A Site Management Plan should be developed and approved by the appropriate regulatory agencies; perimeter air monitoring is usually required during projects of this scope; and soil sampling throughout the process will be necessary.
- Partner agrees that, prior to construction activities, all remaining environmental structures (storm drains and cesspools) should be closed and sampled as appropriate. Any remaining ASTs should be cleaned and properly disposed of. Soil beneath each AST should be sampled if there is any indication of staining, leakage, or other visual signs of possible AST failure (e.g., holes, pitting, corrosion, etc.).

Partner agrees that the dual scenario costing presented by PWGC is appropriate and the costs associated with each scenario appear reasonable based on the information provided. PWGC assumes all soil will remain onsite (to be reused during final site grading); as such, PWGC proposed costs do not include soil disposal. It should be noted that final construction plans or soil disposal, if needed, may affect cost overall.

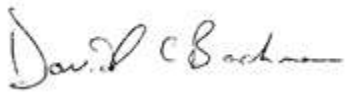
Finally, Partner recommends that suspect ACMs at the subject property should be sampled to confirm the presence or absence of asbestos prior to proposed demolition activities.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 500 Lakeland Avenue in the Hamlet of Sayville, Town of Islip, Suffolk County, New York in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

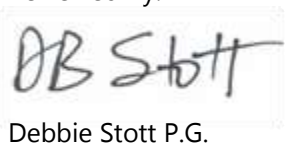
By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



David Bachman
Environmental Professional

Reviewed By:



Debbie Stott P.G.
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials (ASTM*), Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation: E1527-13.

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United States Geological Survey (USGS), Topographic Map 1995, 7.5-minute series, accessed via internet, September 2017.

FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP

PARTNER

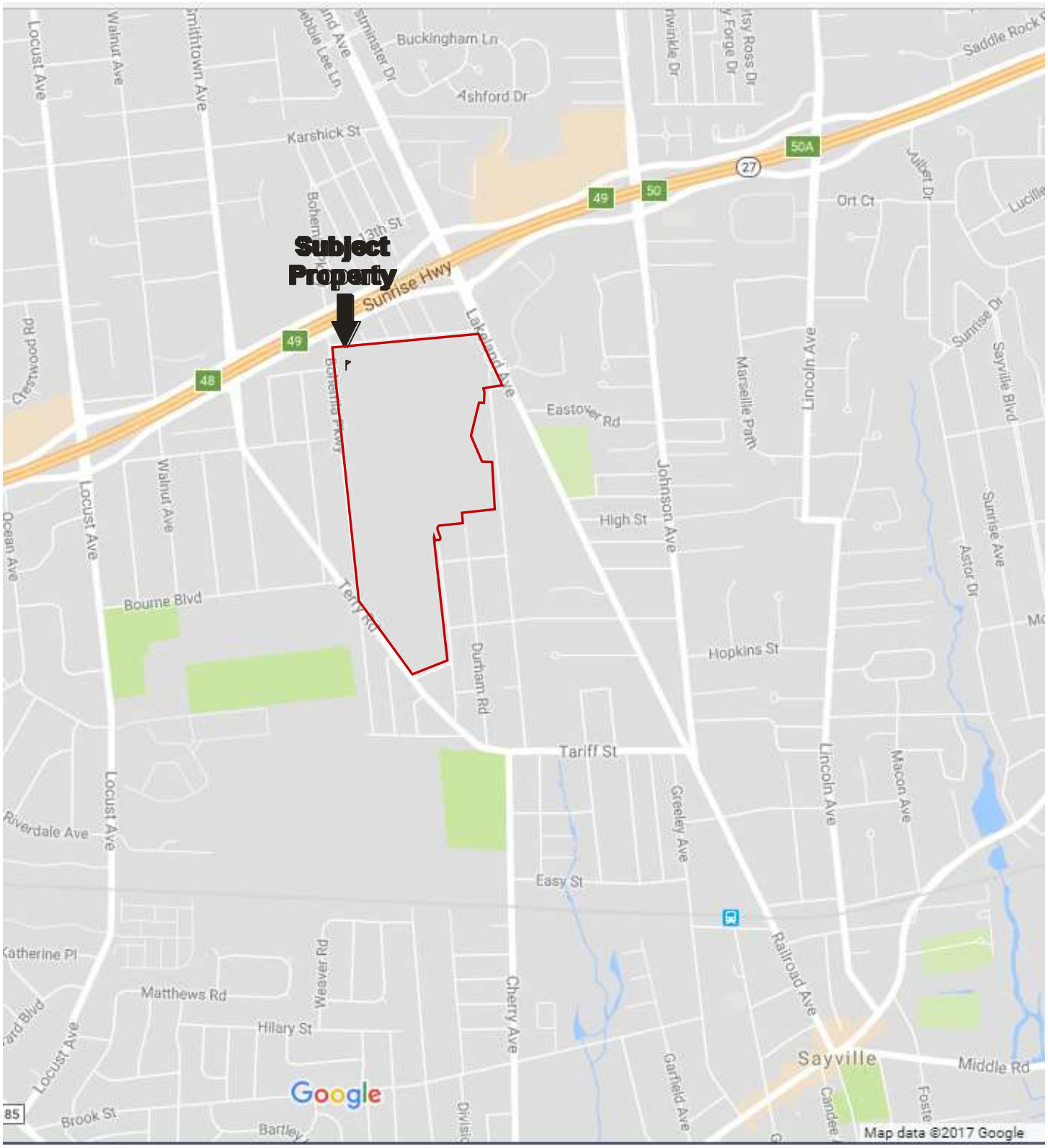

FIGURE 1: SITE LOCATION MAP
Project No. 17-196398.1

Drawing Not to Scale

PARTNER

N

GROUNDWATER FLOW

KEY:

Subject Site

FIGURE 2: SITE PLAN
Project No. 17-196398.1

PARTNER

USGS 7.5 Minute *Patchogue/ Sayville, NY* Quadrangles Created: 2016

FIGURE 3: TOPOGRAPHIC MAP
Project No. 17-196398.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS

PARTNER

1. View looking south at the northeast side of the subject property across Lakeland Avenue.

2. View looking west at 11th Street.

3. View looking southwest at the north side of the Clubhouse building.

4. View looking north at the northeast side of the subject property.

5. View looking north at the southeast side of the Clubhouse building showing the main septic field.

6. View looking west at the southeast side of the Clubhouse building.

7. View looking southeast at the main septic field.

8. View looking south at the pad-mounted transformer.

9. View looking south at the northeast side of the Clubhouse building.

10. View looking south at the north side of the Clubhouse building.

11. View looking south at the north-central side of the Clubhouse building.

12. View looking south at the northwest side of the Clubhouse building.

13. View looking southwest at the north side of the Pool-house building.

14. View looking north at the south side of the Pool-house building.

15. View looking northwest inside the snack bar.

16. View looking northeast inside the snack bar.

17. View looking north at the pool and south side of the Pool-house building.

18. View looking south at the Pro Shop.

19. View looking southeast in the western portion of the subject property.

20. View looking west in the central portion of the subject property.

21. View looking south in the eastern portion of the subject property.

22. View looking west at the former driving range in the northeast portion of the subject property.

23. View looking west in the northeastern portion of the subject property.

24. View looking west in the northern portion of the subject property.

25. View looking southeast at 450 Lakeland Avenue.

26. View of the fill port and vent pipe at 450 Lakeland Avenue.

27. View of the 275-gallon AST at 450 Lakeland Avenue.

28. View of the floor under the 275-gallon AST at 450 Lakeland Avenue.

29. View of the boiler at 450 Lakeland Avenue.

30. View of the basement at 450 Lakeland Avenue.

31. View of the basement at 450 Lakeland Avenue.

32. View of a basement bedroom at 450 Lakeland Avenue.

33. View of a basement bedroom at 450 Lakeland Avenue.

34. View of the first floor at 450 Lakeland Avenue.

35. View of the kitchen at 450 Lakeland Avenue.

36. View of the living room at 450 Lakeland Avenue.

37. View of paints at 450 Lakeland Avenue.

38. View of the attic bedroom at 450 Lakeland Avenue.

39. View looking northeast at 458 Lakeland Avenue.

40. View looking north at 458 Lakeland Avenue.

41. View of 458 Lakeland Avenue first floor.

42. View of 458 Lakeland Avenue kitchen.

43. View of 458 Lakeland Avenue living room.

44. View of 458 Lakeland Avenue first floor bathroom.

45. View of 458 Lakeland Avenue basement.

46. View of 458 Lakeland Avenue basement.

47. View of 458 Lakeland Avenue fuel oil AST.

48. View of 458 Lakeland Avenue boiler.

49. View looking south at golf cart shop roof.

50. View looking east at the 500-gallon fuel oil AST for the Pro Shop.

51. View looking east at the Pro Shop.

52. View looking southeast at golf cart storage building.

53. View looking southeast inside the Pro Shop.

54. View of former golf bag storage under the Pro Shop.

55. View looking south inside the golf cart storage building.

56. View of water seepage inside the golf cart storage building.

57. View looking northwest under the Pro Shop, showing the area of the former UST.

58. View looking west under the Pro Shop, showing the area of the former UST.

59. View looking west at the south side of the subject property.

60. View looking north in the southeast portion of the subject property.

61. View looking north in the southwest portion of the subject property.

62. View looking north in the central portion of the subject property.

63. View looking northeast at the maintenance building.

64. View looking east at the south end of the maintenance building.

65. View looking north at the west side of the maintenance building.

66. View looking north at the former 2,000-gallon gasoline AST location.

67. View of the maintenance pit in the maintenance building.

68. View looking north in the maintenance building.

69. View looking southeast at the main entrance to the Clubhouse building.

70. View looking west at the main lobby in the Clubhouse building.

71. View of a banquet room.

72. View of a banquet room.

73. View of the kitchen.

74. View of the kitchen stove area.

75. View of kitchen floor staining.

76. View of the kitchen.

77. View of the original cooler.

78. View inside of the original cooler.

79. View of the kitchen basement.

80. View of the kitchen basement, showing compressors.

81. View of the kitchen fire retardant system in the kitchen basement.

82. View of a kitchen basement floor drain.

83. View looking west at the southern banquet room.

84. View looking east at the southern banquet room.

85. View looking east at the northern bar room.

86. View looking northeast at the northern bar.

87. View of typical bathroom.

88. View of typical locker room.

89. View of the northeastern basement stairs.

90. View of the northeastern basement.

91. View of the hot water heaters in the northeastern basement.

92. View of the sump in the northeastern basement.

93. View looking northeast at the men's locker room.

94. View looking southwest at the men's locker room.

95. View of the golf club repair machine.

96. View of the slop sink in the golf club repair shop.

97. View of the men's locker room washers and dryer.

98. View of the laundry room floor.

99. View of the men's sauna.

100. View of the men's shower room.

101. View of the men's bathroom.

102. View of an HVAC air handler unit.

103. View of women's locker room.

104. View of women's bathroom.

105. View of the women's locker room washer and dryer.

106. View of typical bathroom.

107. View looking north at Bohemia Parkway along the west side of the subject property.

108. View looking east at Stirling Place along the south side of the subject property.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER

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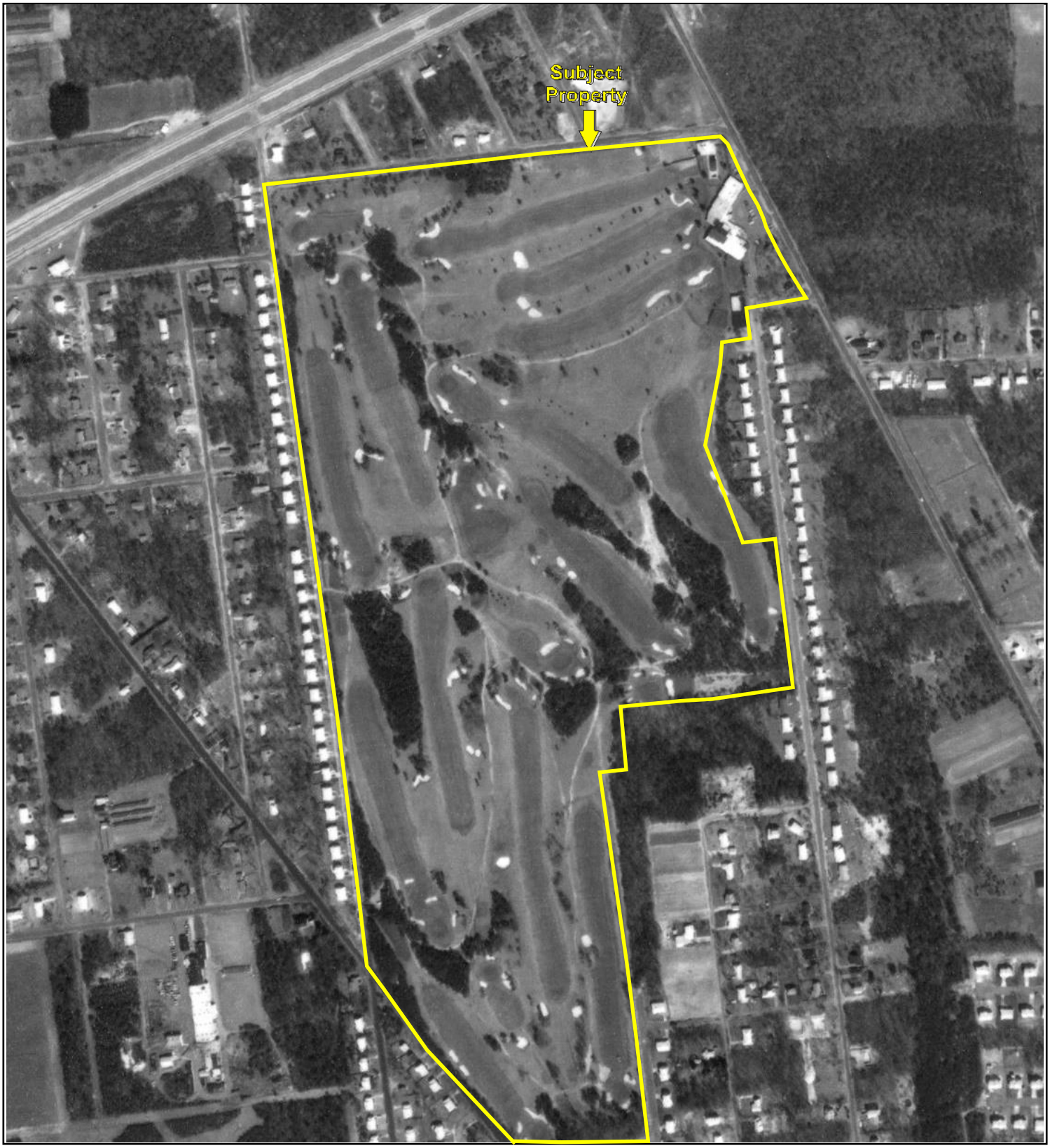

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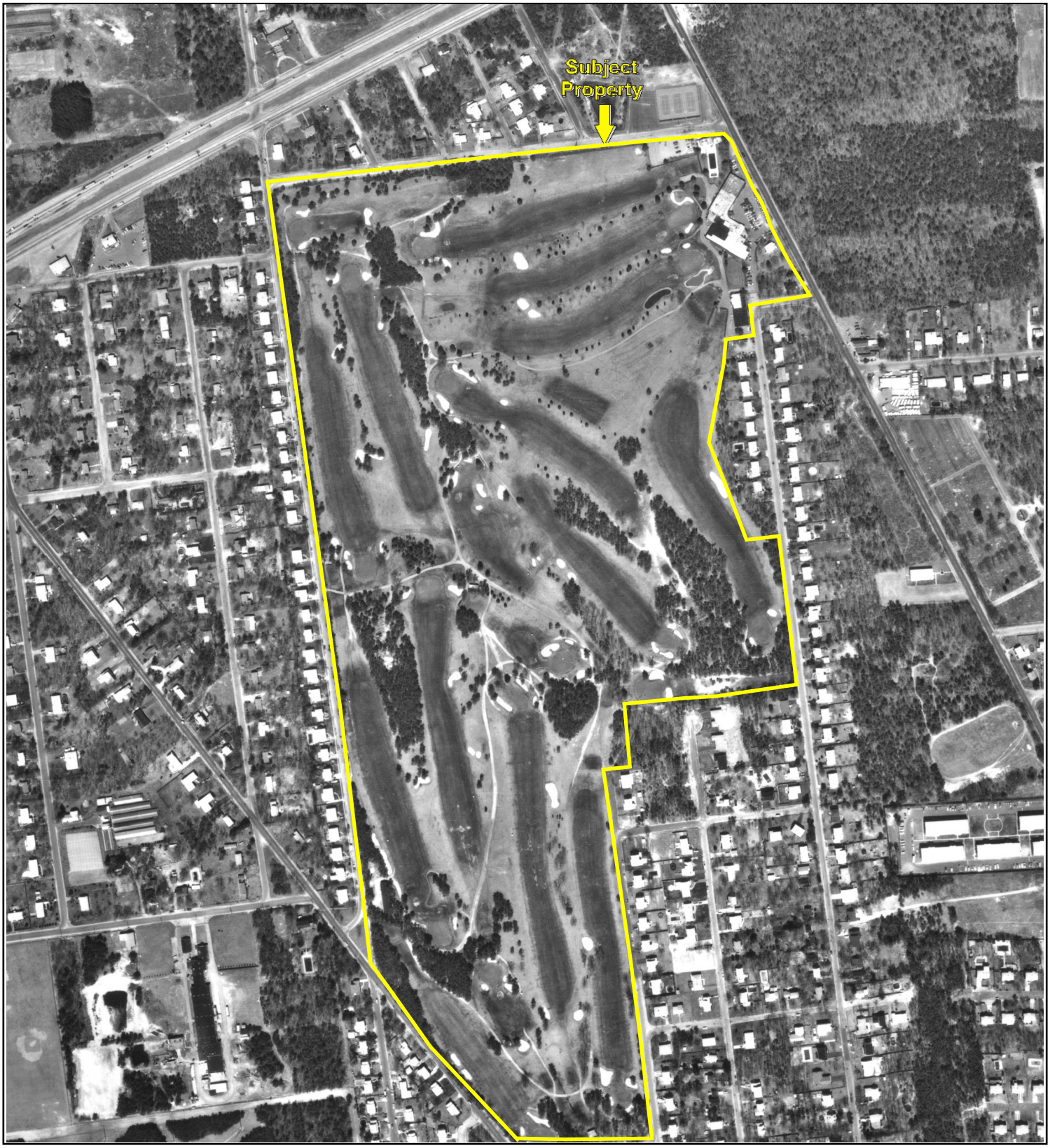

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Key: Subject Property

Island Hills Golf Course
Lakeland Ave
Sayville, NY 11782

Inquiry Number: 5045648.3
September 11, 2017

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/11/17

Site Name:

Island Hills Golf Course
Lakeland Ave
Sayville, NY 11782
EDR Inquiry # 5045648.3

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Angelica Seals

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Project 17-196398.1

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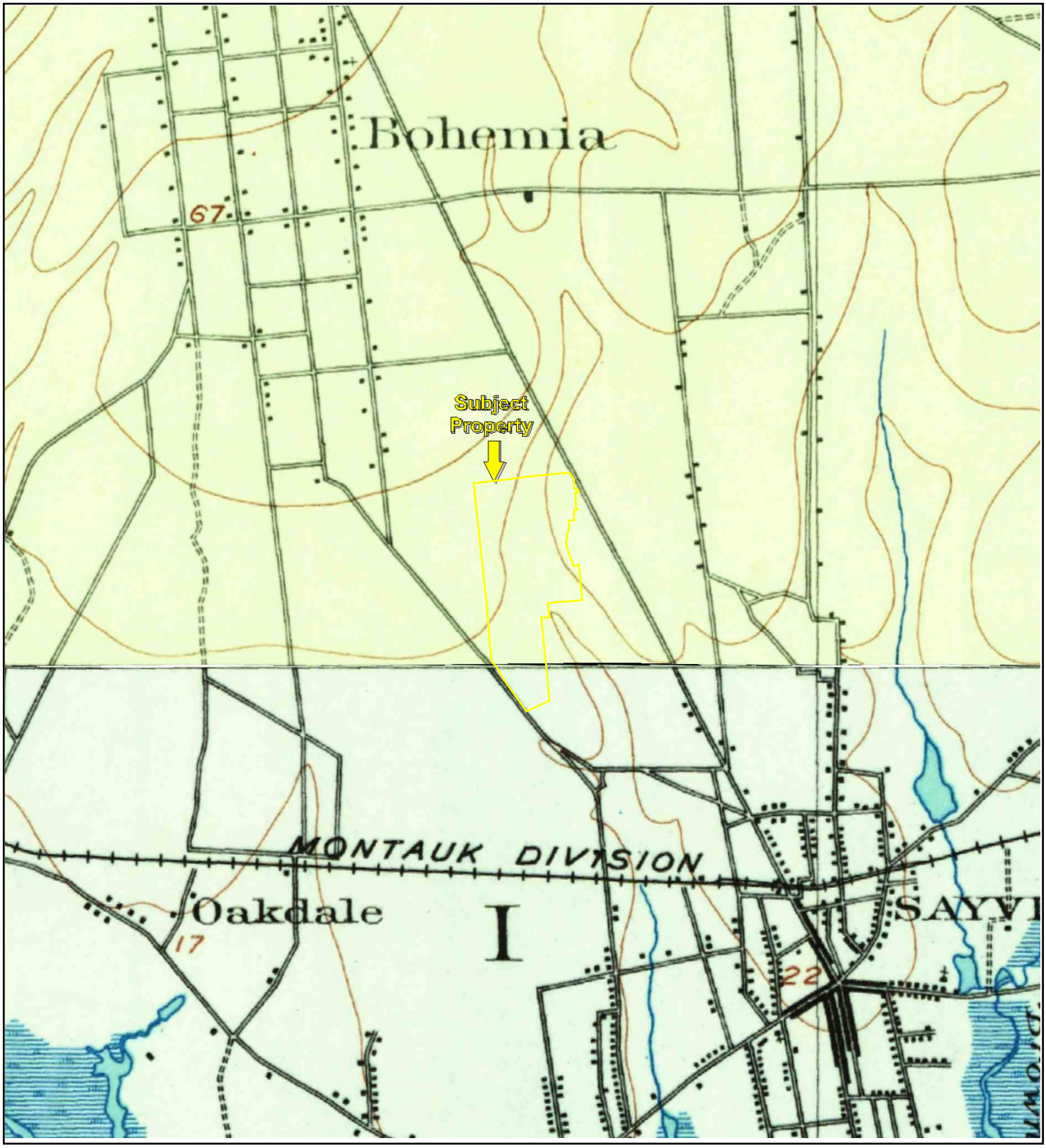

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S, Fire Island, 1902, 15-minute

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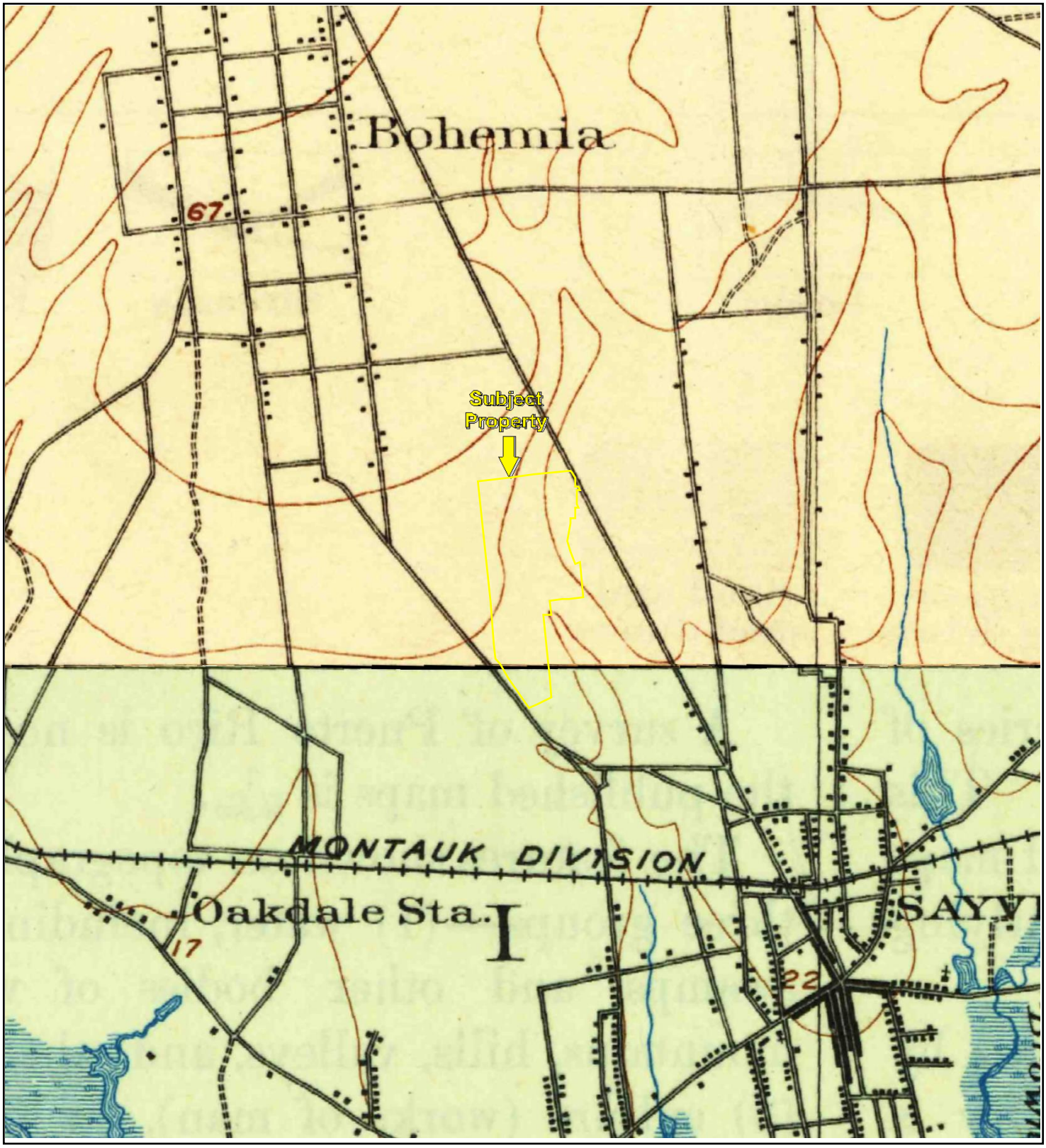

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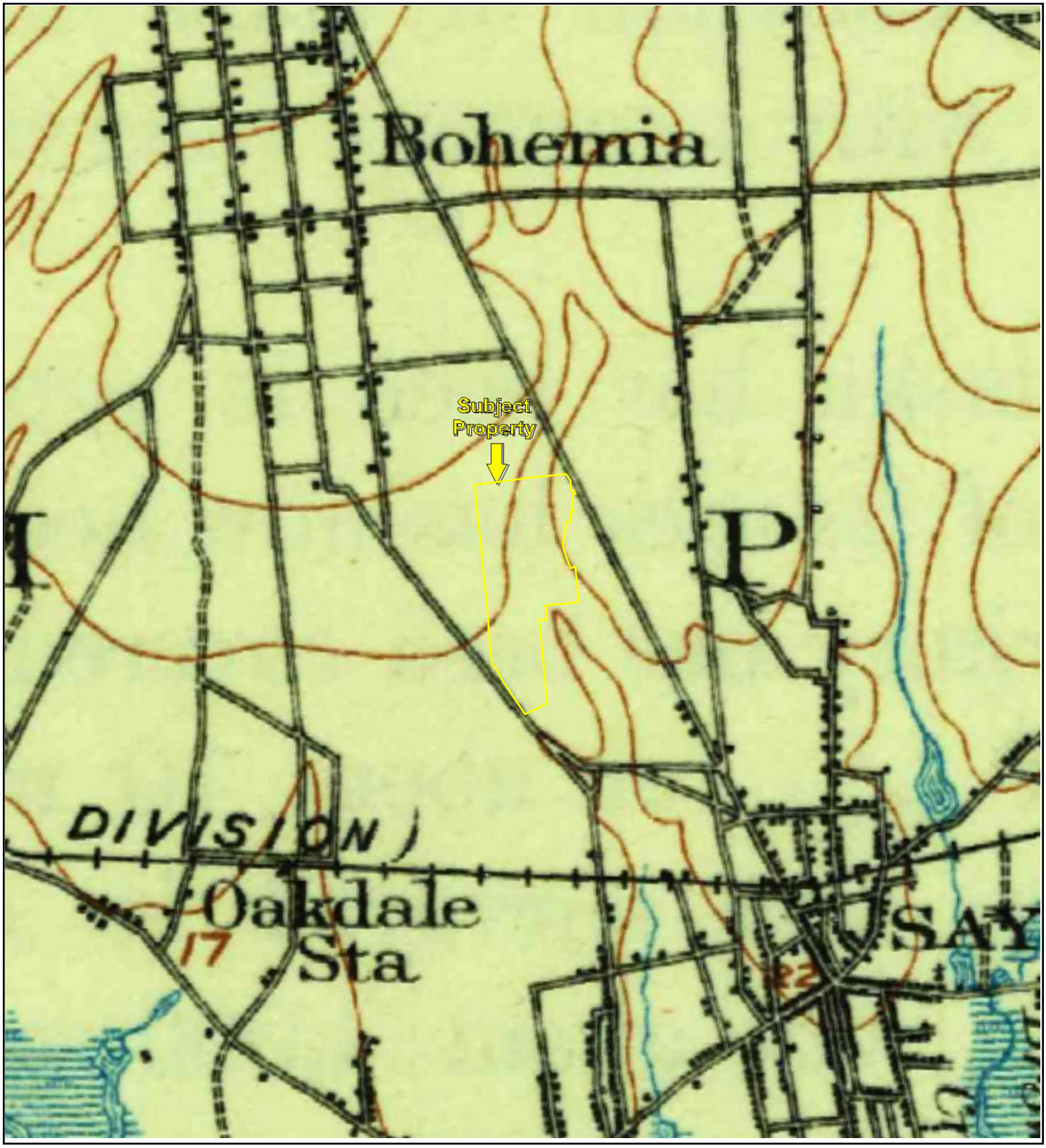

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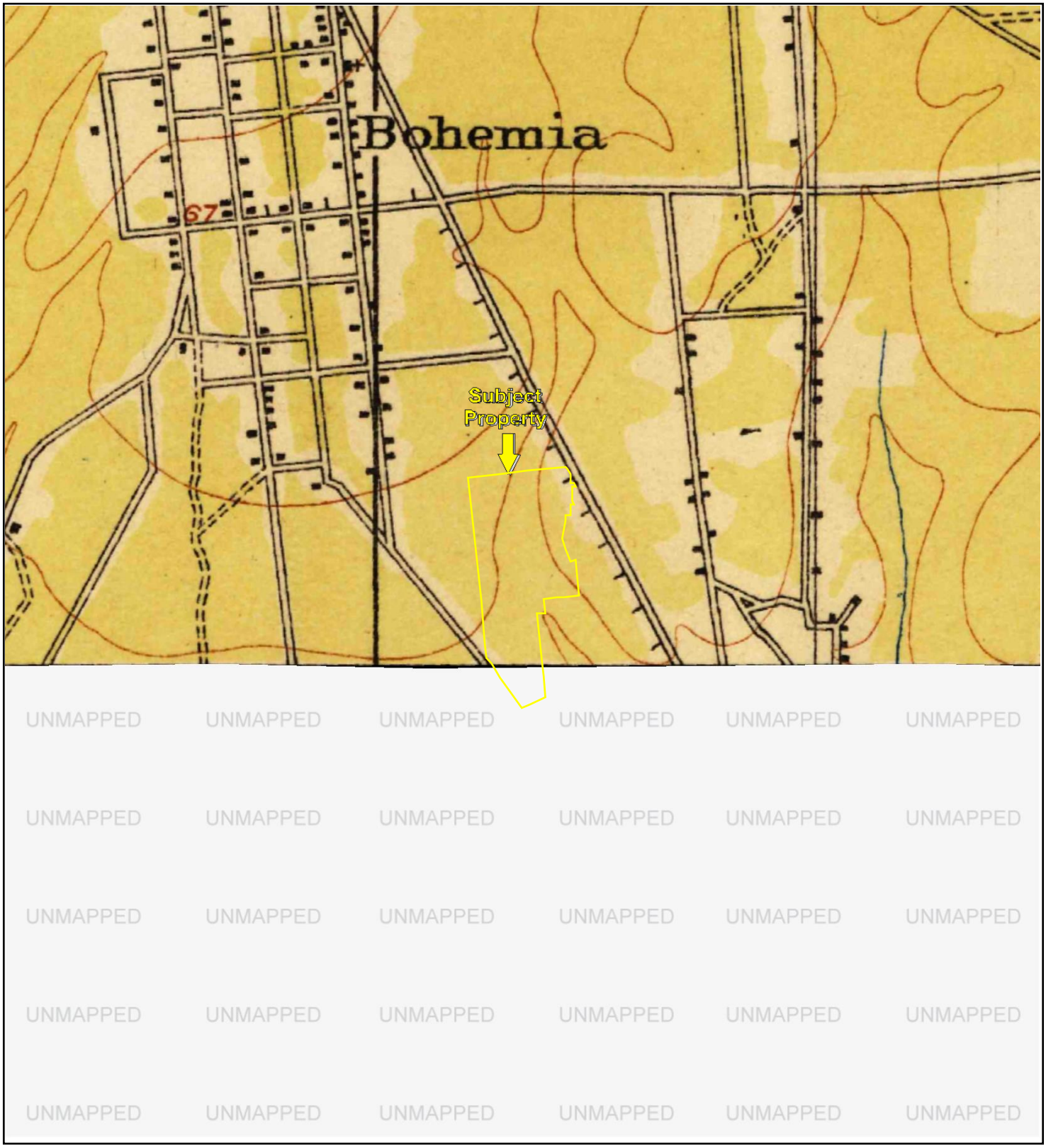

TP, Setauket, 1919, 15-minute

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Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 17-196398.1

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