

1/31/07



NYS DEC REGION 2

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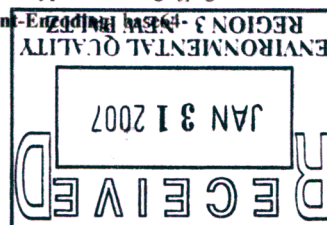
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NYS DEC REGION 2
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Soil Boring #	Depth, bgs	PCE	TCE	1,2-DCE	VC	TVOCs
SB-1	3-4 ft	270	26	260	ND	628
SB-2	5-6 ft	110	11J	170	ND	400
SB-3	4-5 ft	34,000	280	180	ND	34,460
SB-3A	4-5 ft	220	60	730 J	ND	1,010
SB-3B	4-5 ft	1,300	62	460 J	ND	1,408
SB-3C	4-5 ft	11,000	290	3,600 J	ND	14,890
SB-4	4-5 ft	1,600,000	75,000	7,800 J	ND	1,683,170
SB-5	3-4 ft	51,000	44J	ND	ND	51,044
SB-6	3-4 ft	15,000	10 J	12 J	ND	15,022
SB-8	6"-8"	4,300	13	6J	ND	4,319
SB-9	3-4 ft	ND	ND	ND	ND	ND
SB-10	3-4 ft	15,000	46	14	ND	15,060
SB-10A	4-5 ft	ND	ND	ND	ND	ND
SB-10B	5-6 ft	ND	ND	ND	ND	ND
SB-11	0.5 ft-1 ft	ND	ND	ND	ND	ND
SB-12	3-4 ft	740	22	21	ND	783
SB-13	0-3 ft	ND	ND	ND	ND	ND
SB-14 (inside)	4-5 ft	46 J	ND	ND	ND	ND
SB-14 (dumpster area)	5-6 ft	8,200 J	ND	ND	ND	8,200
SB-15 (inside)	4-5 ft	ND	ND	ND	ND	ND

Notes:

■ SB-9/GW-9 - Soil & Groundwater Sampling Locations



- Historic Dumpster Location



- Soil pile



- Approximate Area of Soils impacted with VOCs at concentrations exceeding applicable NYSDEC RSCOs

Scale

0 41 Feet

PCE - Tetrachloroethene; TCE - Trichloroethene; 1,2-Dichloroethene; VC - Vinyl Chloride; TVOCs - Total Volatile Organic Compounds; Bolded Value represent contaminant at concentration exceeding applicable NYSDEC RSCOs

**Figure 3 - Supplemental
Soil Sampling Locations & Areas
Of Soil Impacts
- September 2006**

**Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York**



**BERNINGER
ENVIRONMENTAL INC.**
groundwater consultants and geologists
90 B Knickerbocker Avenue
Bohemia, New York 11716
Phone # (631) 589-6521
Fax # (631) 589-6528



Sample #	Depth, bgs	PCE	TCE	1,2-DCE	VC	Sample #	Depth, bgs	PCE	TCE	1,2-DCE	VC	Sample #	Depth, bgs	PCE	TCE	1,2-DCE	VC
GW-1	4-6 ft	14 J	ND	13,000	6,900	GW-7	5-7 ft	1,200	32 J	81 J	ND	GW-15	5-9 ft	46	ND	ND	ND
	14-16 ft	14,000	ND	110	42		15-17 ft	150,000	480	360	26		15-19 ft	560	ND	ND	ND
	24-26 ft	2,300	ND	45	16 J		25-27 ft	140,000	420	160	8 J		5-9 ft	94	ND	ND	ND
GW-2	5-7 ft	1,200	230	2,800	85	GW-9	5-7 ft	2 J	ND	ND	ND	GW-16	15-19 ft	32	ND	ND	ND
	15-17 ft	140	8	14	ND		15-17 ft	2 J	ND	ND	ND		6-8 ft	2,600	6	ND	ND
	25-27 ft	220	8	32	ND		5-7 ft	380	47 J	15	ND		16-18 ft	190	ND	ND	ND
GW-3	5-7 ft	1,500	560	3,500	80 J	GW-10	15-17 ft	120	17 J	7	ND	GW-17	8-10 ft	280	22 J	ND	ND
	15-17 ft	150	20	55	ND		5-7 ft	26	4 J	2 J	ND		14-16 ft	68	ND	ND	ND
	5-7 ft	55,000	10,000	11,000	400		15-17 ft	17	ND	3 J	ND		5-7 ft	130,000	1,400	ND	ND
GW-4	15-17 ft	57,000	590	480	ND	GW-11	5-7 ft	5,800	1,200 J	220	ND	GW-18	15-17 ft	44,000	4,300 J	ND	ND
	25-27 ft	12,000	430	440	ND		15-17 ft	5,400	910 J	120	ND		5-7 ft	34,000	860	360	6 J
	5-7 ft	240,000	ND	ND	ND		19-5-23 5 ft	5	ND	ND	ND		15-17 ft	2,500	50 J	22 J	ND
GW-5	15-17 ft	300,000	2,200	1,100 J	ND	GW-12	5-7 ft	3,500	640 J	210	ND	GW-19	25-27 ft	1,400	48 J	34 J	ND
	25-27 ft	300,000	1,800	660 J	ND		15-17 ft	1,900	560 J	330	ND						
	5-7 ft	34,000	860	360	6 J		5-9 ft	9,900	17	ND	ND						
GW-6	15-17 ft	2,500	50 J	22 J	ND	GW-13	15-19 ft	11,000	13	ND	ND						
	25-27 ft	1,400	48 J	34 J	ND												

Prior Groundwater Sampling Locations

Prior Groundwater Sampling Location with Supplemental Depth Interval

Supplemental Groundwater Sampling Location

- Prior Groundwater Sampling Locations
- Prior Groundwater Sampling Location with Supplemental Sampling Depth Interval
- Supplemental Groundwater Sampling Location

PCE - Tetrachloroethene; TCE - Trichloroethene; 1,2-DCE - Dichloroethene; VC - Vinyl Chloride;
TVOCs - Total Volatile Organic Compounds. Bold # = Exceedance of NYSDEC Potable Groundwater SGVs or Surface Water SGVs

Scale
0 41 ft

Figure 4 - Supplemental Groundwater Sampling Locations - September 2006

Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York

BEI BERNINGER ENVIRONMENTAL INC.
groundwater consultants and geologists
90 B Knickerbocker Avenue Phone # (631) 589-6521
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SB-9	3-4 ft	ND	ND	ND	ND	ND
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SB-10A	4-5 ft	ND	ND	ND	ND	ND
SB-10B	5-6 ft	ND	ND	ND	ND	ND
SB-11	0.5 ft-1 ft	ND	ND	ND	ND	ND
SB-12	3-4 ft	740	22	21	ND	783
SB-13	0-3 ft	ND	ND	ND	ND	ND
SB-14 (inside)	4-5 ft	46 J	ND	ND	ND	ND
SB-14 (dumpster area)	5-6 ft	8,200 J	ND	ND	ND	8,200
SB-15 (inside)	4-5 ft	ND	ND	ND	ND	ND

Notes:

■ SB-9/GW-9 - Soil & Groundwater Sampling Locations



- Historic Dumpster Location



- Soil pile



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Soil Sampling Locations & Areas
Of Soil Impacts
- September 2006

Rose Cleaners
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Mt. Kisco, New York



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Sampling Log
Rose Cleaners - 500 Lexington Avenue, Mt. Kisco, New York

Project: Rose Cleaners Mt Kisco, New York
 Date: May - June 2005
 Logged By: Jill Haimson, CGWP, PG
 Company: BEI
 Drilling Started: Ended:
 Driller: Butch/Pete
 Type of Rig: Geoprobe

BORE HOLE DATE
 Hole Diameter: Two Inch
 Total Depth (2): Variable, see log
 SAMPLER
 Type: Geoprobe Macrocore/LB or hand sampling
 Hammer: Hydraulic
 REMARKS: See attached figures for sampling locations.

HNu Respon se Units, ppm	Sample			Sample Description	Sample
	No.	Rec. %	Depth (ft) bgs		Lithology USC
0 -15+	SB-01	85	0 - 5 ft bgs	Rear of the building, downgradient of interior dry cleaning machines. Upper 1.5 ft was organic fill, followed by crushed rock, and fine grained sand with silty clay. 3-4 ft bgs was dark black very fine sand with silty clay layer with PID of 15+ ppm response units.	ML
15+ to 100+	SB-01/GW-1	95	5 - 9 ft bgs	5-6 ft interval was mixed organic fill with wood. At 6 ft a saturated med-coarse grained sand grey silt (PID 100+ ppm response units) layer was encountered. Same lithology to 8 ft bgs, below the water table interface. The 8-9 ft interval was a dark brown dryer layer. PID response (100+ppm response units). Vertical profiling of groundwater (GW-1) at 4-6 ft; 14-16 ft and 24-26 ft bgs. Also the same locations as MW-2. MW-2 was set with a ten foot screen from 2-10 ft bgs. Depth to water (DTW) was 4.02 ft bgs.	SM
15+ to 150+	SB-02	95	0 - 5 ft bgs	Opposite rear door at back of the building. Upper one foot was an organic fill, followed by crushed rock, and fine grained sand with silty clay. 3-4 ft bgs was a sandy silty organic layer followed by silty plastic clay and fine sand. Elevated PID (150+ppm response units) at 5 ft bgs- water table interface.	SC
0	SB-02/GW-2	85	5 - 9 ft bgs	5-9 ft interval was composed of saturated organic matter silty clay and sand layer. 7-9 ft interval was a silty clay layer. Vertical profiling of groundwater (GW-2) at 5-7 ft and 15-17 ft bgs.	ML
0-15+	SB-03/GW-3	95	0 - 5 ft bgs	Opposite exhaust fans at rear of the building. Upper 3 ft was organic fill with no PID response, followed by crushed rock, and fine grained sand with silty clay. 4-5 ft bgs was silty clay layer with elevated PID (15+ppm response units). Vertical profiling of groundwater (GW-3) at 5-7 ft and 15-17 ft bgs.	SC

0-30+	SB-03A, SB-03B and SB-03C (9/12/06)	50-100	0 - 6 ft bgs	4-5 ft	Opposite exhaust fans at rear of the building. Multiple sampling locations around former SB-3 sampling location. 0-2 feet upper organic top soil with no PID response, followed by organic silty clay, sand and silt. 4-6 ft bgs was silty clay layer. All PID were low or non-detect with the exception of 4-6 feet at SB-03C with elevated PID (30+ppm response units). Soil samples collected at 4-5 feet bgs at all three supplemental sampling locations.	SC
1100+ to 9999	SB-04/GW-4	100	0 - 5 ft bgs	4-5 ft	North side of the building. Upper 4 ft was fine grained sand with silty clay and organic matter. Elevated PID (100+ - 9999+ppm response units) at entire interval. Saturated at 5 ft bgs. Vertical profiling of groundwater (GW-4) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs. Also the same relative location of SB-8.	SC
100-1500+	SB-05/GW-5 supplemental (9/13/06)	95	0 - 5 ft bgs	3-4 ft	Opposite vent pipe from machine room. Upper 2.5 ft was debris, top soil and concrete chunks. 2.5 to 3 ft was concrete chips. 3-5 ft was a silty clay layer with an elevated PID (1500+ppm response units). Saturated at 5 ft bgs. Vertical profiling of groundwater (GW-5) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs. Deeper sample attempted on 9/13/06; refusal encountered at 28 ft bgs.	SC
50+	SB-06/GW-6 supplemental (9/12/06)	95	0 - 5 ft bgs	3-4 ft	West of the chiller pad. Upper 1 ft was loam and roots, followed by brown clay and fine sand with organic brown silt. Elevated PID (50+ppm response units). Saturated at 5 ft bgs. Vertical profiling of groundwater (GW-5) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs. Vertical profiling of groundwater (GW-6) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs.	SC
0	SB-07/GW-7	90	0 - 5 ft bgs	--	Farthest north of the building. 0-5 ft was composed of sandy silty clay and fine sandy clay. No PID response units. No soil sample collected for analysis. Vertical profiling of groundwater (GW-7) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs. Attempted to drill deeper; refusal encountered at 28 feet bgs.	SC
100+	SB-08/GW-8	100	0 - 0.5 ft bgs	6" - 8"	Adjacent to SB-04. Shallow soil sample (loam and gravel) collected as per NYSDOH requirements for exposure pathway assessment. Elevated PID (100+ppm response units). No groundwater collected for analysis -see GW-4.	SC
0	SB-09/GW-9	100	0 - 5 ft bgs	3-4 ft	Background location (southern-most lateral extent). 0-5 ft sample consisted of fine-coarse sand with clay and silt, interbedded sandy silt and fine sand with clay. Vertical profiling of groundwater (GW-9) at 5-7 ft and 15-17 ft bgs.	SC
0	SB-10/GW-10	100	0 - 5 ft bgs	3-4 ft	West side of dumpster at southwest corner of property. 0-5 ft was composed of grass, fine sandy silt and plastic clay. No PID response units. Vertical profiling of groundwater (GW-10) at 5-7 ft and 15-17 ft bgs. MW-3 was installed near this boring. Screened from 2-10 ft bgs. DTW was 3.14 ft bgs.	SC

30 to 100+	SB-10A SB-10B (9/13/06)	100	0 - 6 ft bgs	4-5 ft 5-6 ft	Near dumpster at southwest corner of property. 0-5 ft was composed of grass, fine sandy silt and plastic clay. Elevated PID response unit of 100+ at 4-5 feet bgs. SB-10B elevated PID at 5-6 feet bgs of 30-100+. Vertical profiling of groundwater (GW-10) at 5-7 ft and 15-17 ft bgs. Refusal at ten additional sampling locations adjacent areas.	SC
15-70	SB-11/GW-11	100	0 - 5 ft bgs	0.5 - ft	North side of dumpster at southwest corner of property. 0-5 ft was composed of grass, fine sand with silty clay. Elevated PID (15-70 ppm response units). Vertical profiling of groundwater (GW-11) at 5-7 ft and 15-17 ft bgs.	SC
0	SB-12/GW-12 (9/12/06)	95	0 - 5 ft bgs	3-4 ft	East side of dumpster at southwest corner of property. 0-5 ft was composed of grass, fine sand with silty clay. Vertical profiling of groundwater (GW-12) at 5-7 ft and 15-17 ft bgs. Attempt to collect deeper groundwater at 19.5 to 23.5 ft bgs on 9/12/06; one sample collected. Deeper attempted; refusal encountered at 23.5 ft bgs.	SC
0	SB-13/GW-13	20	0 - 5 ft bgs	0-3 ft	Southside of dumpster at SE corner of property. 0-5 ft was organic silty with clay and sand. Vertical profiling of groundwater (GW-13) at 5-7 ft and 15-17 ft bgs.	ML
9999+	SB-14 Dumpster (9/13/06)	85	0 - 5 ft bgs	5-6 ft	Southeast of the dumpster location. 0-1 ft was composed of organic loam, followed by two feet of silty plastic clay, grading into fine sand at 5-6 feet bgs. Orange brown sand at 5-6 feet bgs reported 9999+ PID response units.	ML
80	SB-14A (9/13/06)	65	0 - 5 ft bgs	5-6 ft	9 feet further south of the dumpster location, within asphalt. Screening location only. 80+ PID at 4-6 feet bgs. No samples collected for lab analysis.	--
322+	SB-16 (9/13/06)	65	0 - 5 ft bgs	5-6 ft	Southwest of the dumpster location. Screening location only. 80+ PID at 4-6 feet bgs. No samples collected for lab analysis.	--
80+	SB-17 9/13/06	65	0 - 5 ft bgs	5-6 ft	North of the dumpster location within asphalt. Screening location only. 80+ PID at 4-6 feet bgs. No samples collected for lab analysis.	--
200+	SB-14 (Inside) Machine Room (9/20/06)	85	0 - 5.5 ft bgs	4-5 ft	Interior to dry cleaners inside machine room. Upper 14 inches is concrete. PID screening of 200 PID response noted under concrete. Void space at 4-5 feet bgs. Refusal at 5.9 ft bgs. Screening of open hole was <20+ PID response units.	--
960+	SB-15 middle of shop	85	0 - 6 ft bgs	4-5 ft	Interior to dry cleaners inside machine room. Refusal at 5.5 ft bgs. Screening of open hole was 960+ PID response units.	--
-	GW-14 9/13/06	-	0 - 19 ft bgs	5-9 ft 15-19 ft	Groundwater sampling only location. Southeast perimeter of parking lot. Vertical profiling of groundwater (GW-14) at 5-9 ft and 15-19 ft bgs. Low turbidity.	--
-	GW-15 9/13/06	-	0 - 19 ft bgs	5-9 ft 15-19 ft	Groundwater sampling only location. Southeast portion of property. Vertical profiling of groundwater (GW-15) at 5-9 ft and 15-19 ft bgs.	--

-	GW-16 9/13/06	-	0 - 19 ft bgs	5-9 ft 15-19 ft	Groundwater sampling only location. West side (dry cleaners parking lot) of Lexington Avenue. Vertical profiling of groundwater (GW-16) at 5-9 ft and 15-19 ft bgs.	--
-	GW-17 9/13/06	-	0 - 18 ft bgs	6-8 ft 16-18 ft	Groundwater sampling only location. At edge of driveway at 40 New Castle Drive, between historic dumpster location and off-site residence. Vertical profiling of groundwater (GW-17) at 6-8 ft and 16-18 ft bgs. Very turbid samples.	--
-	GW-18 9/20/06	-	0 - 20 ft bgs	8-10 ft 18-20 ft	Groundwater sampling only location. West side of Creek, downgradient from subject property. Three feet approximate grade higher than GW-19. Vertical profiling of groundwater (GW-18) at 8-10 ft and 18-20 ft bgs.	--
-	GW-19 9/20/06	-	0 - 19 ft bgs	5-7 ft 15-17 ft	Groundwater sampling only location. East side of Creek, downgradient from subject property, near to 486 Lexington Avenue. Vertical profiling of groundwater (GW-19) at 5-7 ft and 15-17 ft bgs.	--
30	SSV	-	0-3 inches	sub slab	Inside north portion of dry cleaners, in work area.	--
0	SG-1	-	2- 2.5 ft.	2- 2.5 ft.	Southern perimeter of property.	--
4.3	SG-2	-	2- 2.5 ft.	2- 2.5 ft.	Southern perimeter of property.	--
0.9	SG-3	-	2- 2.5 ft.	2- 2.5 ft.	Southwest corner of the property, near New Castle Drive.	--
61.8	SG-4	-	2- 2.5 ft.	2- 2.5 ft.	Central portion of the rear of the property, near dumpster and New Castle Drive.	--
168+	SG-5	-	2- 2.5 ft.	2- 2.5 ft.	North-west property perimeter.	--
0	SG-6	-	2- 2.5 ft.	2- 2.5 ft.	North-east property perimeter.	--
0	SG-7	-	2- 2.5 ft.	2- 2.5 ft.	North-east property perimeter. MW-1 located nearby. Screened zone from 2- 10 ft bgs. DTW was 5.07 ft bgs.	--
0	SG-8	-	2- 2.5 ft.	2- 2.5 ft.	North-east property perimeter, middle front driveway.	--
0	SG-9	-	2- 2.5 ft.	2- 2.5 ft.	South-east property perimeter.	--
0	Ambient	-	3 ft	3 ft	Breathing zone exterior to 510 Lexington Avenue restaurant.	--
0.8	40 New Castle Drive	-	SSV	2-3 inches	Sub-slab samples from center of the wine cellar at 40 New Castle Drive residence.	--
0	499 Lexington Avenue	-	3.5 - 4 ft	0-4 ft bgs	Soil Gas sample from front lawn at 499 Lexington Avenue residence.	--

0	35 New Castle Drive	-	3.5 - 4 ft	0-4 ft bgs	Soil Gas sample from front lawn, near culvert at 35 New Castle Drive residence.	--
30	500 Lexington Avenue	-	SSV	2-3 inches	Sub-slab samples from inside the main work area of Rose Cleaners, in line with one of the front doors.	--
0	SED-1/ SW-1	-	0-1 ft	0-1 ft	Upstream creek, adjacent to steel conduit. This steel conduit was noted to be fed from areas across New Castle Drive as well as from effluent piping from the Lexington Square Café parking lot to the south. Heavy organic load, branches and needles. Flow rate 30 to 50 gallons per minute. SW-2 sample was clear (non-turbid) with no odors or sheens.	--
0	SED-2	-	0-6"	0-6"	Heavy organic load, branches and needles. Directly downstream of effluent pipe from southwestern portion of subject property.	--
0	SED-3	-	0-6"	0-6"	Sample collected adjacent to culvert, opposite rear door of building. Heavy organic load, branches and pine needles.	--
0	SED-4	-	0-6"	0-6"	Samples collected past southeast corner of building, near area of elevated PID response in soils. Sample was composed of fine sand and organic matter.	--
0	SED-5/ SW-2	-	0-6"	0-6"	Downstream, also adjacent to downstream steel culvert. Upstream of automotive repair shop. Sample was very sandy with small pebbles and some organic matter. SW-2 sample was clear (non-turbid) with no odors or sheens.	--
0	SED-6/ SW-3 (9/20/06)	-	0-6"	0-6"	Downstream, also adjacent to downstream steel culvert. Creek flow approximately 20 gallons per minute (g.p.m.). Adjacent to the driveway at the northern end of 486 Lexington Avenue. Sample was very sandy with some organic matter. SW-3 sample was clear (non-turbid) with no odors or sheens.	--
0	SED-7/ SW-4 (9/20/06)	-	0-6"	0-6"	Downstream, also adjacent to downstream steel culvert. Adjacent to the northern end of 474 Lexington Avenue property. Creek flow approximately 15 g.p.m. Sample was sandy, coarse gravel and rock. SW-4 sample was clear (non-turbid) with no odors or sheens.	--
--	Culvert	-	unknown	0-6"	Water sample collected from steel drain culvert that originates from location of parking lot of Lexington Café parking lot.	--
-	MW-1	-	-	-	Depth to groundwater on 9/12/06 was 4.76 ft bgs.	--
-	MW-2	-	-	-	Depth to groundwater on 9/12/06 was 3.85 ft bgs.	--
-	MW-3	-	-	-	Depth to groundwater on 9/12/06 was 3.17 ft bgs.	--

Remarks:

- (1) In feet above mean sea level from measuring point located on top of well casing
 - (2) All depths in feet below land surface.
- Ft bgs = feet below grade surface ppm response units = parts per million PID response units.