June 10, 2019 DEP Update

- NJDEP has issued three Notices of Violation (NOV) to Weldon as a result of the February 2019 sediment discharge from a broken transfer pipe. Two NOVs were for violating the Water Pollution Control Act and one was for violating the Freshwater Wetlands Protection Act. These violations represent the beginning of an enforcement process that will hold Weldon fully accountable for the environmental violations and impacts associated with the February 2019 incident.
- In response to the aforementioned NOVs, Weldon has constructed a silt berm prior to the Weldon tributary (tributary) entering Lake Hopatcong to minimize the passage of silt from the tributary to Lake Hopatcong. NJDEP has also placed an oil boom at the same location as a precaution should any of the Weldon stream cleanup work reconstitute any residual oil remaining from the Valiant oil spill. To that end, NJDEP has required that Weldon coordinate any of their cleanup efforts that are within the zone of the Valiant oil spill with the Valiant Licensed Site Remediation Professional overseeing that matter.
- Weldon, with NJDEP oversight, has also removed approximately 13 cubic yards of stone fines from
 the area between the transfer pipe that leaked and the tributary in order to eliminate the
 possibility of this material migrating into the tributary during rain events. Weldon also provided
 staked hay bales and silt fencing at this location to ensure that any residual fines would not enter
 the tributary.
- NJDEP subsequently advised Weldon that additional cleanup of the tributary and filtration was necessary. As a result, Weldon submitted a plan to add two additional silt fences with hay bales in the tributary in order to provide additional filtration and collection points. NJDEP approved this plan on June 7th, 2019, and the work is expected to be completed on or about June 11th, 2019.
- Weldon has also submitted a separate plan to NJDEP to remove rock fines/sediment from certain
 portions of the tributary. The specifics of this plan are currently being evaluated by
 NJDEP. However, NJDEP does anticipate a timely approval of a plan that will require the removal
 of additional rock fines/sediment from the tributary.
- Weldon has provided NJDEP with chemical analysis of the rock fine materials as well as sediment sample results from the area of the silt berm. These results have been forwarded to the Lake Hopatcong Commission under separate cover.
- NJDEP will be conducting a fish survey of the tributary on Wednesday June 12th to further asses
 the ecological impacts of the incident on the tributary. NJDEP also intends to conduct a similar
 fish survey in the affected area of Lake Hopatcong.
- NJDEP would like to remind local residents that they may report environmental incidents/complaints regarding this matter, including dust complaints, to the NJDEP 24-Hour Environmental Hotline at 877-WARNDEP.

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SOIL/SEDIMENT SAMPLING

Weldon Materials Quarry Lake Hopatcong, New Jersey

On Monday May 13, 2019, Boswell Engineering (Boswell), collected three (3) soil/sediment samples at the Weldon Materials property in Lake Hopatcong, New Jersey (the "Site" or "Quarry"). The grab samples were analyzed for Full Target Compound List (TCL) organics, including volatile and semi-volatile organic compounds (VOC/SVOC), pesticides, and polychlorinated biphenyls (PCB); Target Analyte List (TAL) Metals, Extractable Petroleum Hydrocarbons (EPH), hexavalent chromium, and cyanide. The samples were taken at the following locations:

RM: Sample RM was collected from the stone fines pile at the top of the quarry;

SP: Sample SP was collected from a sample point in the area where the transfer pipe leaked; and

BB: Sample BB was obtained from before the silt curtain installed in the stream immediately north of Prospect Point Road.

Results

Tables summarizing the sampling results are attached hereto. All sample results were well below the New Jersey Department of Environmental Protection's (NJDEP) Residential and Non-Residential Direct Contact Soil Remediation Standards (RDCSRS/NRDCSRS). With the exception of three (3) background metals, aluminum, manganese and beryllium, all sample results were also below the State's Impact to Groundwater Soil Remediation Standards (IGWSRS). Three (3) samples exceeded the IGWSRS for manganese; two (2) for aluminum (SP & BB) and one (1) for beryllium (BB).

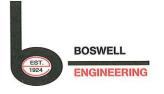
The metal IGWSRS exceedances are background concentrations for the area. The aluminum concentrations in SP and BB, 9,640 parts per million (ppm) and 7,910 ppm, respectively, are well below the New Jersey Highlands Physiographic Province Median Concentration of 16,800 ppm as presented in *Ambient Levels of Metals in New Jersey Soils* (Sanders, Paul, May 2003). Likewise, the manganese concentration of 122 ppm detected in the stone fines sample (RM) is below the median background concentration of 407 ppm and the manganese concentration of 476 ppm in the SP sample is well below the 90th percentile concentration of 837 ppm. Similarly, the beryllium concentration in sample BB (0.78 ppm) is nearly equal to the background concentration of 0.73 ppm but below the study's 90th percentile concentration of 1.08 ppm.

In addition, NJDEP's IGWSRS are based upon NJDEP's Groundwater Quality Standards (GWQS). The GWQS for aluminum and manganese are secondary, and not based on health considerations, but aesthetic considerations such as taste, odor and appearance. Accordingly, no further evaluation of these samples is

required by the Department's applicable requirements as their presence is not the result of a discharge of these specific metals.

While beryllium's GWQS is not secondary, the laboratory performed the appropriate Synthetic Precipitate Leaching Procedure (SPLP) analysis on sample BB. The laboratory did not report a result above their Reporting Limit (RL), which is well below the NJDEP's Default Leachate Criteria of 20 parts per billion (ppb).

Accordingly, based upon the sample results, the stone fines meet the NJDEP's most stringent Soil Remediation Standards.



WELDON QUARRY SOIL SAMPLING

LAB ID: SAMPLE LOCATION COLLECTION DATE: SAMPLE MATRIX: VOLATILE ORGANICS BY EPA 5035 1,2-Dibromo-3-chloropropane 1,4-Dioxane 1,2-Dibromethane Methylene chloride 1,1-Dichloroethane Chloroform	Conc	L1920071-03 TONE FINES FRO 5/13/2019 SOIL		SAM	L1920071-0	No.		L1920071-02		1		
COLLECTION DATE: SAMPLE MATRIX: VOLATILE ORGANICS BY EPA 5035 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane Methylene chloride 1,1-Dichloroethane		5/13/2019		- Oran				BEFORE BOO	M			
VOLATILE ORGÁNICS BY EPA 5035 1,2-Dibromo-3-chloropropane 1,4-Dioxane 1,2-Dibromoethane Methylene chloride 1,1-Dichloroethane	Conc	SOIL			5/13/2019	SPER PIPE		5/13/2019	nivi			
1,2-Dibromo-3-chloropropane 1,4-Dioxane 1,2-Dibromoethane Methylene chloride 1,1-Dichloroethane		Q RL	MDL	Conc	Q RL	MDL	Conc	Q RL	MDL	NJ-IGWS (mg/kg)	NJ-NRDCSRS (mg/kg)	NJ-RDCSRS (mg/kg)
1,2-Dibromoethane Methylene chloride 1,1-Dichloroethane	ND	0.00041	0.00014	ND	0.0048	0.0016	ND	0.021	0.007	0.005	0.2	0.08
1,1-Dichloroethane	ND ND	0.011 0.00014	0.0048 0.00003	ND ND	0.13 0.0016	0.056 0.00045	ND ND	0.56 0.007	0.25 0.002	0.005	0.04	0.008
Chloroform	ND ND	0.00069 0.00014	0.00032 0.00002	ND ND	0.008 0.0016	0.0037 0.00023	ND ND	0.035 0.007	0.016	0.01	230 24	46 8
Carbon tetrachloride	ND ND	0.00021 0.00014	0.00001	ND ND	0.0024 0.0016	0.00022 0.00037	ND ND	0.01 0.007	0.00098 0.0016	0.4 0.005	4	0.6 2
1,2-Dichloropropane Dibromochloromethane	ND ND	0.00014 0.00014	0.00001	ND ND	0.0016 0.0016	0.0002 0.00022	ND ND	0.007 0.007	0.00088	0.005 0.005	5 8	3
1,1,2-Trichloroethane Tetrachloroethene	ND ND	0.00014 0.00006	0.00003	ND ND	0.0016 0.0008	0.00043 0.00031	ND ND	0.007 0.0035	0.0019 0.0014	0.02 0.005	6 1500	2 43
Chlorobenzene Trichlorofluoromethane	ND ND	0.00006 0.00055	0.00001	ND ND	0.0008 0.0064	0.0002	ND ND	0.0035 0.028	0.00089	0.6 34	7400 340000	510 23000
1,2-Dichloroethane 1,1,1-Trichloroethane	ND ND	0.00014 0.00006	0.00003	ND ND	0.0016 0.0008	0.00041 0.00027	ND ND	0.007 0.0035	0.0018 0.0012	0.005	3	0.9 160000
Bromodichloromethane trans-1,3-Dichloropropene	ND ND	0.00006 0.00014	0.00001	ND ND	0.0008 0.0016	0.00017 0.00044	ND ND	0.0035 0.007	0.00076 0.0019	0.005 0.005	7	1 2
cis-1,3-Dichloropropene 1,3-Dichloropropene, Total	ND ND	0.00006	0.00002	ND ND	0.0008	0.00025 0.00025	ND ND	0.0035 0.0035	0.0011	0.005 0.005	7	2
Bromoform 1,1,2,2-Tetrachloroethane	ND ND	0.00055 0.00006	0.00003	ND ND	0.0064 0.0008	0.00039 0.00027	ND ND	0.028 0.0035	0.0017 0.0012	0.03 0.007	280 3	81 1
Benzene Toluene	ND ND	0.00006 0.00014	0.00002 0.00007	ND ND	0.0008 0.0016	0.00027 0.00087	ND ND	0.0035 0.007	0.0012 0.0038	0.005 7	5 91000	2 6300
Ethylbenzene Chloromethane	ND ND	0.00014 0.00055	0.00001 0.00013	ND ND	0.0016 0.0064	0.00023 0.0015	ND ND	0.007 0.028	0.00099 0.0065	13	110000 12	7800 4
Bromomethane Vinyl chloride	ND ND	0.00028 0.00014	0.00008	ND ND	0.0032 0.0016	0.00093 0.00054	ND ND	0.014 0.007	0.0041	0.04	59 2	25 0.7
Chloroethane 1,1-Dichloroethene	ND ND	0.00028 0.00014	0.00006 0.00003	ND ND	0.0032 0.0016	0.00072 0.00038	ND ND	0.014 0.007	0.0032 0.0017	0.008	1100 150	220 11
trans-1,2-Dichloroethene Trichloroethene	ND ND	0.00021 0.00006	0.00001	ND ND	0.0024 0.0008	0.00022 0.00022	ND ND	0.01 0.0035	0.00096 0.00096	0.6 0.01	720 10	300
1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND	0.00028 0.00028	0.00002 0.00002	ND ND	0.0032 0.0032	0.00023 0.00024	ND ND	0.014 0.014	0.001 0.001	17 19	59000 59000	5300 5300
1,4-Dichlorobenzene Methyl tert butyl ether	ND 0.00012	0.00028 J 0.00028	0.00002 0.00002	ND 0.00087	0.0032 J 0.0032	0.00027 0.00032	ND 0.0045	0.014 J 0.014	0.0012 0.0014	2 0.2	13 320	5 110
p/m-Xylene o-Xylene	ND ND	0.00028 0.00014	0.00007 0.00004	ND ND	0.0032 0.0016	0.0009 0.00047	ND ND	0.014 0.007	0.0039	19 19	170000 170000	12000 12000
Xylenes, Total cis-1,2-Dichloroethene	ND ND	0.00014 0.00014	0.00004 0.00002	ND ND	0.0016 0.0016	0.00047 0.00028	ND ND	0.007 0.007	0.002 0.0012	19 0.3	170000 560	12000 230
1,2-Dichloroethene, Total Styrene	ND ND	0.00014 0.00014	0.00001 0.00002	ND ND	0.0016 0.0016	0.00022 0.00031	ND ND	0.007 0.007	0.00096 0.0014	3	260	90
Dichlorodifluoromethane Acetone	ND 0.041	0.0014 0.0014	0.00013	ND 0.1	0.016 0.016	0.0015	ND 1.2	0.07	0.0064	39 19	230000	490 70000
Carbon disulfide 2-Butanone	ND 0.0022	0.0014 0.0014	0.00063	ND ND	0.016 0.016	0.0073	ND 0.12	0.07 0.07	0.032	6	110000 44000	7800 3100
4-Methyl-2-pentanone 2-Hexanone	ND ND	0.0014 0.0014	0.00018	ND ND	0.016 0.016	0.002 0.0019	ND ND	0.07 0.07	0.009	-:-	- :	- :
Bromochloromethane Isopropylbenzene	ND ND	0.00028 0.00014	0.00002	ND ND	0.0032 0.0016	0.00033	ND ND	0.014 0.007	0.0014 0.00076	-	-	-
1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	ND ND	0.00028 0.00028	0.00004	ND ND	0.0032 0.0032	0.00052 0.00044	ND ND	0.014 0.014	0.0022	0.7	- 820	73
Methyl Acetate Cyclohexane	0.014 ND	0.00055 0.0014	0.00013	0.015 ND	0.0064 0.016	0.0015 0.00087	0.07 ND	0.028 0.07	0.0067 0.0038	22	•	78000
Methyl cyclohexane Freon-113	ND ND	0.00055 0.00055	0.00008	ND ND	0.0064 0.0064	0.00097 0.0011	ND ND	0.028 0.028	0.0042 0.0048	:_		- :
Total VOCs Total TIC Compounds	0.05732	 J 0	- 0	0.11587	 J 0	- 0	1.3945 0.243	j 0	- 0	-	- :	•
SEMIVOLATILE ORGANICS BY GC/MS Acenaphthene	ND	0.14	0.015	ND	0.19	0.02	ND	0.57	0.06	110	37000	3400
2-Chloronaphthalene Hexachlorobenzene	ND ND	0.18 0.051	0.017 0.017	ND ND	0.24 0.07	0.023 0.023	ND ND	0.71 0.2	0.068	0.2	- 1	0.3
Bis(2-chloroethyl)ether 3,3'-Dichlorobenzidine	ND ND	0.064 0.14	0.021 0.046	ND ND	0.087 0.19	0.029 0.062	ND ND	0.26 0.55	0.086	0.2 0.2	2 4	0.4
2,4-Dinitrotoluene 2,6-Dinitrotoluene	ND ND	0.089 0.071	0.03 0.024	ND ND	0.12 0.096	0.04 0.032	ND ND	0.35 0.28	0.12 0.094		3	0.7 0.7
Fluoranthene 4-Chlorophenyl phenyl ether	ND ND	0.11 0.18	0.02 0.015	0.083 ND	J 0.14 0.24	0.028	0.12 ND	J 0.43 0.71	0.082	1300	24000	2300
Bis(2-chloroisopropyl)ether Bis(2-chloroethoxy)methane	ND ND	0.21 0.19	0.02 0.017	ND ND	0.29 0.26	0.028 0.023	ND ND	0.86 0.77	0.082 0.068	5 -	67	23
Hexachlorobutadiene Hexachlorocyclopentadiene	ND ND	0.066 0.51	0.022 0.11	ND ND	0.09 0.69	0.03 0.15	ND ND	0.26 2	0.088	0.9 320	25 110	6 45
Hexachloroethane Isophorone	ND ND	0.087 0.06	0.029	ND ND	0.12 0.081	0.039 0.027	ND ND	0.35 0.24	0.12 0.08	0.2 0.2	48 2000	12 510
Naphthalene Nitrobenzene	ND ND	0.18 0.079	0.022 0.026	ND ND	0.24 0.11	0.03 0.036	ND ND	0.71 0.32	0.087	25 0.2	17 14	6 5
NDPA/DPA n-Nitrosodi-n-propylamine	ND ND	0.044 0.045	0.014 0.015	ND ND	0.06 0.061	0.02	ND ND	0.18 0.18	0.058 0.06	0.4 0.2	390 0.3	99 0.2
Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate	ND ND	0.18 0.18	0.018 0.024	0.04 ND	J 0.24 0.24	0.025 0.032	ND ND	0.71 0.71	0.074 0.095	1200 230	140 14000	35 1200
Di-n-butylphthalate Di-n-octylphthalate	ND ND	0.18 0.18	0.016 0.056	ND ND	0.24 0.24	0.021 0.076	ND ND	0.71 0.71	0.063	760 3300	68000 27000	6100 2400
Diethyl phthalate Dimethyl phthalate	ND ND	0.18 0.18	0.016 0.017	ND ND	0.24 0.24	0.022	ND ND	0.71 0.71	0.064 0.068	88	550000	49000
Benzo(a)anthracene Benzo(a)pyrene	ND ND	0.06 0.13	0.02 0.044	0.037 ND	J 0.081 0.18	0.027 0.059	ND ND	0.24 0.52	0.08 0.17	0.8	17 2	5 0.5
Benzo(b)fluoranthene Benzo(k)fluoranthene	ND ND	0.045 0.037	0.015 0.012	0.061 0.021	0.061 J 0.051	0.02 0.017	0.1 ND	J 0.18 0.15	0.059 0.05	2 25	17 170	5 45
Chrysene Acenaphthylene	ND ND	0.11 0.14	0.018 0.02	0.044 ND	J 0.14 0.19	0.025 0.027	ND ND	0.43 0.57	0.073 0.08	80	1700 300000	450
Anthracene Benzo(ghi)perylene	ND ND	0.11 0.14	0.016 0.021	ND 0.033	0.14 J 0.19	0.022 0.028	ND ND	0.43 0.57	0.063 0.084	2400	30000 30000	17000 380000
Fluorene Phenanthrene	ND ND	0.18 0.11	0.017 0.013	ND 0.027	0.24 J 0.14	0.023 0.017	ND ND	0.71 0.43	0.068 0.051	170	24000 300000	2300
Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene	ND ND	0.062 0.075	0.021 0.025	ND ND	0.084 0.1	0.028 0.034	ND ND	0.25 0.3	0.082 0.099	0.8 7	2 17	0.5 5
Pyrene 4-Chloroaniline	ND ND	0.11 0.18	0.015 0.02	0.091 ND	J 0.14 0.24	0.021 0.028	0.13 ND	J 0.43 0.71	0.062 0.082	840	18000	1700
2-Nitroaniline 3-Nitroaniline	ND ND	0.18 0.18	0.033 0.034	ND ND	0.24 0.24	0.044 0.046	ND ND	0.71 0.71	0.13 0.13		23000	39
4-Nitroaniline Dibenzofuran	ND ND	0.18 0.18	0.074 0.016	ND ND	0.24 0.24	0.1 0.021	ND ND	0.71 0.71	0.3 0.063			-
2-Methylnaphthalene 2,4,6-Trichlorophenol	ND ND	0.21 0.1	0.019 0.034	ND ND	0.29 0.14	0.026 0.046	ND ND	0.86 0.41	0.075 0.14	8 0.2	2400 74	230 19
p-Chloro-m-cresol 2-Chlorophenol	ND ND	0.18 0.059	0.026 0.02	ND ND	0.24 0.08	0.036 0.027	ND ND	0.71 0.24	0.11 0.078	0.8	2200	310
2,4-Dichlorophenol 2,4-Dimethylphenol	ND ND	0.086 0.17	0.029 0.057	ND ND	0.12 0.23	0.039 0.077	ND ND	0.34 0.68	0.11 0.23	0.2 1	2100 14000	180 1200
2-Nitrophenol 2,4-Dinitrophenol	ND ND	0.38 0.26	0.029 0.083	ND ND	0.52 0.35	0.04 0.11	ND ND	1.5	0.12 0.33	0.3	1400	120
4,6-Dinitro-o-cresol Pentachlorophenol	ND ND	0.26 0.12	0.086	ND ND	0.35 0.16	0.12 0.053	ND ND	1 0.47	0.34 0.16	0.3	68	6 0.9
Phenol 2-Methylphenol	ND ND	0.18 0.18	0.021	ND ND	0.24 0.24	0.029	0.087 ND	J 0.71 0.71	0.084 0.11	8 -	210000 3400	18000 310
3-Methylphenol/4-Methylphenol 2,4,5-Trichlorophenol	ND ND	0.26 0.18	0.026	ND ND	0.35 0.24	0.035 0.046	0.52 ND	J 1 0.71	0.1	- 68	340 68000	31 6100
Carbazole 4-Nitrophenol	ND ND	0.18 0.25	0.011	ND ND	0.24	0.015 0.067	ND ND	0.71	0.045	-	96	24
4-Bromophenyl phenyl ether Benzaldehyde	ND ND	0.18 0.24	0.02	ND ND	0.24	0.027	ND 0.18	0.71 J 0.94	0.079	4	68000	6100
Caprolactam Acetophenone	ND ND	0.18 0.18	0.038	ND ND	0.24 0.24	0.052 0.025	ND ND	0.71 0.71	0.15	12	340000 5	31000
Siphenyl 1,2,4,5-Tetrachlorobenzene	ND ND	0.41 0.18	0.041	ND ND	0.55 0.24	0.056 0.025	ND ND	1.6	0.16	140	240	61
1,2,4,6-Tetrachiorobenizerie Atrazine 2,3,4,6-Tetrachiorophenol	ND ND	0.14 0.18	0.062	ND ND	0.19 0.24	0.025 0.085 0.049	ND ND	0.57 0.57	0.25	0.2	2400	210
Salar or retracting opinents	-	0.10	0.036	0.437	0.24	5.545	1.137	0.71	0.14			

NJ-IGWS: NJ - New Jersey Impact to Groundwater Soil Screening Levels (IGWSSL) Criteria per November 2013 Guidance Regulation (Version 2.0).

NJ-NRDCSRS: NJ - New Jersey 2017 Non-Residential Direct Contact Soil Remediation Standards Criteria per Soil Remediation Standards, last amended September 18, 2017.

NJ-RDCSRS: NJ - New Jersey 2017 Residential Direct Contact Soil Remediation Standards Criteria per Soil Remediation Standards, last amended September 18, 2017.

WELDON QUARRY SOIL SAMPLING

SAMPLE ID:	ALC:	RM			SP			ВВ				
LAB ID:		L1920071-03			L1920071-01			L1920071-02				
SAMPLE LOCATION		STONE FINES FR		SAM	PLE POINT/TRAN			BEFORE BOO	No.			
COLLECTION DATE:		5/13/201			5/13/2019			5/13/2019				
SAMPLE MATRIX:		SOIL			SOIL			SOIL		NJ-IGWS	NJ-NRDCSRS	NJ-RDCSRS
SAMPLE MATRIX:	C		MOI	6222		MOI	Conn		MDL		The second secon	
PESTICIDES BY GC	Conc	Q RL	MDL	Conc	Q RL	MDL	Conc	Q RL	IVIDL	(mg/kg)	(mg/kg)	(mg/kg)
Delta-BHC	ND	0.0017	0.00033	ND	0.00228	0.00044	ND	0.00691	0.00135			
Lindane	ND	0.00071	0.00033	ND	0.00094	0.00044	ND	0.00288	0.00133	0.002	2	0.4
Alpha-BHC	ND	0.00071	0.0002	ND	0.00094	0.00026	ND	0.00288	0.00081	0.002	0.5	0.1
Beta-BHC	ND	0.0017	0.00064	ND	0.00228	0.00086	ND	0.00691	0.00262	0.002	2	0.4
Heptachlor	ND	0.00085	0.00038	ND	0.00114	0.00051	ND	0.00346	0.00155	0,5	0.7	0.1
Aldrin	ND	0.0017	0.0006	ND	0.00228	0.0008	ND	0.00691	0.00243	0.2	0.2	0.04
Heptachlor epoxide	ND	0.0032	0.00095	ND	0.00427	0.00128	ND	0.013	0.00389	0.01	0.3	0.07
Endrin	ND	0.00071	0.00029	ND	0.00094	0.00038	ND	0.00288	0.00118	1	340	23
Endrin aldehyde	ND	0.00213	0.00074	ND	0.00284	0.00099	ND	0.00864	0.00302	-		-
Endrin ketone	ND	0.0017	0.00043	ND	0.00228	0.00058	ND	0.00691	0.00178		-	
Dieldrin	ND	0.00106	0.00053	ND	0.00142	0.00071	ND 0.00362	0.00432 JP 0.00691	0.00216	0.003	0.2	0.04
4,4'-DDE 4,4'-DDD	ND ND	0.0017	0.00039	ND ND	0.00228	0.00052 0.00081	0.00362 ND	0.00691	0.0016 0.00246	4	13	3
4,4-DDT	ND	0.0017	0.00137	ND	0.00228	0.00081	ND	0.003	0.00246	11	8	2
Endosulfan I	ND	0.0032	0.00137	ND	0.00228	0.00053	ND ND	0.00691	0.00330	4	6800	470
Endosulfan II	ND	0.0017	0.00057	ND	0.00228	0.00076	ND	0.00691	0.00103	4	6800	470
Endosulfan sulfate	ND	0.00071	0.00033	ND	0.00094	0.00045	ND	0.00288	0.00137	2	6800	470
Methoxychlor	ND	0.0032	0.00099	ND	0.00427	0.00133	ND	0.013	0.00403	160	5700	390
Toxaphene	ND	0.032	0.00895	ND	0.0427	0.0119	ND	0.13	0.0363	0.3	3	0.6
Chlordane	ND	0.0138	0.00564	ND	0.0185	0.00754	ND	0.0561	0.0229	0.05	1	0.2
cis-Chlordane	ND	0.00213		ND	0.00284	0.00079	ND	0.00864	0.00241	0.05	1	0.2
trans-Chlordane	ND	0.00213	0.00056	ND	0.00284	0.00075	0.00357	JIP 0.00864	0.00228	0.05	1	0.2
POLYCHLORINATED BIPHENYLS BY GC							7119	See the second			STATE OF THE PARTY	Charles St.
Aroclor 1016	ND	0.0352	0.00312	ND	0.0486	0.00432	ND	0.142	0.0126	0.2	1	0.2
Aroclor 1221	ND	0.0352	0.00352	ND	0.0486	0.00487	ND	0.142	0.0142	0.2	1	0.2
Aroclor 1232	ND	0.0352	0.00745	ND	0.0486	0.0103	ND	0.142	0.0301	0.2	1 1	0.2
Aroclor 1242	ND	0.0352 0.0352	0.00474	ND	0.0486 0.0486	0.00655	ND ND	0.142 0.142	0.0191	0.2	1 1	0.2
Aroclor 1248 Aroclor 1254	ND ND	0.0352	0.00527	ND ND	0.0486	0.00729	ND ND	0.142	- 0.0155	0.2	1 1	0.2
Aroclor 1260	ND	0.0352	0.0065	ND	0.0486	0.00332	ND	0.142	0.0262	0.2	i i	0.2
Aroclor 1262	ND	0.0352	0.00446	ND	0.0486	0.00617	ND	0.142	0.018	0.2	1	0.2
Aroclor 1268	ND	0.0352	0.00364	ND	0.0486	0.00504	ND	0.142	0.0147	0.2	1	0.2
PCBs, Total	ND	0.0352	0.00312	ND	0.0486	0.00432	ND	0.142	0.0126	0.2	1	0.2
NJ EXTRACTABLE PETROLEUM HYDROCARBONS (TOTAL)			THE PERSON NAMED IN	11 - 11 -	X I THE RELL IN	IL DIEZO		No. of Parties	1000			
Total EPH	ND	25.4	25.4	209	34.8	34.8	640	102	102	-	5300 *	8000 *
TOTAL METALS												
Aluminum, Total	1370	8.24	2.22	9640	11.1	2.99	7910	32.7	8.83	6000		78000
Antimony, Total	ND	4.12	0.313	ND	5.54	0.421	ND	16.3	1.24	6	450	31
Arsenic, Total	1.1 29.1	0.824 0.824	0.171	1.63	1.11	0.23	3.53 90.9	3.27 3.27	0.68	19 2100	19 59000	19 16000
Barium, Total	0.124	J 0.412	0.143	0.542	J 0.554	0.193	0.784	J 1.63	0.108	0.7	140	16
Beryllium, Total Cadmium, Total	ND	0.824	0.027	ND	J 0.554 1.11	0.108	0.784 ND	3.27	0.32	2	78	78
Calcium, Total	3040	8.24	2.88	8680	11.1	3.88	8970	32.7	11.4		- 70	70
Chromium, Total	2.67	0.824	0.079	12.7	1.11	0.106	11	3.27	0.314			
Cobalt, Total	1.94	1.65	0.137	12.3	2.21	0.184	10.8	6.54	0.543	90	590	1600
Copper, Total	4.14	0.824	0.212	26.5	1.11	0.286	43.8	3.27	0.843	11000	45000	3100
Iron, Total	8670	4.12	0.744	28600	5.54	1	21400	16.3	2.95	23	- 4	
Lead, Total	0.742	J 4.12	0.221	4.37	J 5.54	0.297	22.8	16.3	0.876	90	800	400
Magnesium, Total	801	8.24	1.27	6390	11.1	1.7	3020	32.7	5.03		-	•
Manganese, Total	122	0.824	0.131	476	1.11	0.176	1020	3.27	0.52	65	5900	11000
Mercury, Total	ND	0.068	0.014	ND	0.093	0.02	ND	0.273	0.058	0.1	65	23
Nickel, Total	0.824	J 2.06	0.199	11.4	2.77	0.268	17.7	8.17	0.791	48	23000	1600
Potassium, Total	833 ND	206 1.65	11.9 0.212	4090 ND	2.77	15.9 0.286	1470	817 J 6.54	47.1 0.843	11	5700	390
Selenium, Total Silver, Total	ND	0.824	0.212	ND	1.11	0.286	ND	3.27	0.843	1	5700	390
Solium, Total	282	165	2.6	685	221	3.49	586	J 654	10.3		3700	390
Thallium, Total	ND	1.65	0.26	ND	2.21	0.349	ND	6.54	1.03	3		-
Vanadium, Total	3.58	0.824	0.167	23	1.11	0.225	21.7	3.27	0.664	-	1100	78
Zinc, Total	10.4	4.12	0.241	72.1	5.54	0.324	135	16.3	0.958	930	110000	23000
NJ HEXAVALENT CHROMIUM	SPECIFIC		SOUTH DESIGNATION	T. USUES		VIEW (IN	TO THE	With the last of t	C patrons			
Chromium, Hexavalent	ND	0.871	0.174	ND	1.18	0.236	ND	3.48	0.696	N.E.	-	
GENERAL CHEMISTRY		MATERIAL STREET				- 55,62	JOHN COLD			MULTINES IN	COLUMN TO THE	
Solids, Total	91.8	0.1	NA	67.9	0.1	NA	23	0.1	NA	741		- 22
Control, Total			0.00		14 (19)	0.3	ND	4.2	0.89	20	680	47
Cyanide, Total	ND	1	0.22	ND	1.4					20	000	
	9.1 190	0	NA NA	7.8 170	1.4 0 0	NA NA	7.4	0	NA NA	20	-	

NJ-IGWS: NJ - New Jersey Impact to Groundwater Soil Screening Levels (IGWSSL). Criteria per November 2013 Guidance Regulation (Version 2.0).

NJ-NRDCSRS: NJ - New Jersey 2017 Non-Residential Direct Contact Soil Remediation Standards Criteria per Soil Remediation Standards, last amended September 18, 2017.

NJ-RDCSRS: NJ - New Jersey 2017 Residential Direct Contact Soil Remediation Standards Criteria per Soil Remediation Standards, last amended September 18, 2017.

SPLP ANALYTICAL RESULTS SUMMARY TABLE

WELDON MATERIALS QUARRY LAKE HAPATCONG, NEW JERSEY OUR FILE NO. 18-181

SECURIOR SERVICES SERVICES			Sample ID:	BB						
	5/13/2019									
Parameters	RDCSRS	NRDCSRS	IGWSSL	Conc	Q	RL	MDL			
TAL Metals (mg/kg)	Charles State	A PART PROPERTY.			100	TWENTY	118 112			
Berylium	16	140	0.7	0.784	J	1.63	0.108			
SPLP Pesticides (ug/L)	Default	Leachate Crite	ria (ug/L)		D Daile		De III III II			
Berylium	20			ND		5.00	1.070			
General Analytical										
Weight of soil for Metals Leachate-Kg			ume and	0.1						
SPLP Metals Leachate volume-L			4.0745	2	1500					
Final pH of Metals Leachate		POLICE THE		6.84						

NOTES:

RDCSRS = NJDEP Residential Direct Contact Soil Remediation Standard NRDCSRS = NJDEP Non-Residential Direct Contact Soil Remediation Standard IGWSSL = Impact to Groundwater Soil Screening Level SPLP = Synthetic Precipitate Leaching Procedure

mg/kg = milligrams per kilogram = ppm = parts per million<math>ug/L = micrograms per liter = parts per billion = ppb

R:\Years\2019\19-181\Env\Lab Data\SPLP Parameters\