SITE INVESTIGATION REPORT
Volume 2 of 2
(Attachments)

For the

Spaulding Fibre Site
Tonawanda, New York

PREPARED FOR:
Erie County Industrial Development Agency

PREPARED BY:

LIRO ENGINEERS, INC.
690 DELAWARE AVENUE
BUFFALO, NEW YORK 11356

FINAL
May 20, 2008

ATTACHMENT 1

Laboratory Analytical Data Summary

Operable Unit 5
Soil Sampling Results
Spaulding Fibre Site Investigation

					Sample ID:	71 F		71 F		71 N		71 N		72 F		72 F		72 N		72 N		73 N		73 N	
					Start Depth:	0		0		4		4		0		0		7		7		3		3	
					End Depth:	2		2		5		5		2		2		8		8		4		4	
					Sample Code:	71 F 0-2 Y5028		71 F 0-2 Y5028		71 N 4-5 Y5028		71 N 4-5 Y5028		72 F 0-2 Y5028		72 F 0-2 Y5028		72 N 7-8 Y5028		72 N 7-8 Y5028		73 N 3-4 Y5028		73 N 3-4 Y5028	
					I=Initial, D1=Dilution:	I		Re1		D1		I		I		Re1		D1		I		D1		I	
					Sample Date:	10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007	
					N=Normal, FD=Field Duplicate:	N		N		N		N		N		N		N		N		N		N	
Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organics																								
1,1,1-Trichloroethane	100	500	0.8	mg/kg																				
1,1-Dichloroethane	26	240	NS	mg/kg																				
2-Butanone	100	500	NS	mg/kg																				
4-Methyl-2-pentanone	NS	NS	1	mg/kg																				
Acetone	100	500	NS	mg/kg																				
Benzene	4.8	44	NS	mg/kg																				
Carbon Disulfide	NS	NS	NS	mg/kg	0.029	J	0.021	J					0.019	J										
cis-1,2-Dichloroethene	100	500	NS	mg/kg																				
Cyclohexane	NS	NS	NS	mg/kg																				
Dichlorodifluoromethane	NS	NS	NS	mg/kg																				
Ethylbenzene	41	390	NS	mg/kg																				
m,p-Xylenes	NS	NS	NS	mg/kg																				
Methyl Acetate	NS	NS	NS	mg/kg																				
Methyl Cyclohexane	NS	NS	NS	mg/kg																				
Methylene Chloride	100	500	0.1	mg/kg	0.021	JB	0.014	J			0.019	JB							0.018	JB				
o-Xylene	NS	NS	NS	mg/kg																				
Tetrachloroethene	19	150	1.4	mg/kg																				
Toluene	100	500	1.5	mg/kg																				
Trichloroethene	21	200	0.7	mg/kg																				
Semivolatile Organics																								
2,4-Dimethylphenol	NS	NS	NS	mg/kg																				
2-Methylnaphthalene	NS	NS	36.4	mg/kg																				
2-Methylphenol	100	500	0.1	mg/kg																				
4-Methylphenol	100	500	0.9	mg/kg																				
Acenaphthene	100	500	50	mg/kg																				
Acenaphthylene	100	500	41	mg/kg																				
Acetophenone	NS	NS	NS	mg/kg																				
Anthracene	100	500	50	mg/kg																				
Benzo[a]anthracene	1	5.6	0.224	mg/kg																				
Benzo[a]pyrene	1	1	0.061	mg/kg																				
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg																				
Benzo[g,h,i]perylene	100	500	50	mg/kg																				
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg																				
Biphenyl	NS	NS	NS	mg/kg																				
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																				
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg							0.12	JB	0.11	JB					0.1	JB				
Butylbenzyl Phthalate	NS	NS	50	mg/kg																				
Carbazole	NS	NS	NS	mg/kg																				
Chrysene	3.9	56	0.4	mg/kg																				
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																				
Dibenzofuran	59	350	6.2	mg/kg																				
Dimethyl Phthalate	NS	NS	2	mg/kg																				
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg																				
Fluoranthene	100	500	50	mg/kg																				
Fluorene	100	500	50	mg/kg																				
Formaldehyde	NS	NS	NS	mg/kg	0.989								0.814						1.7				0.403	
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg																				
Naphthalene	100	500	13	mg/kg																				
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																				
Phenanthrene	100	500	50	mg/kg																				
Phenol	100	500	0.03	mg/kg																				
Pyrene	100	500	50	mg/kg																				
Pesticides																								
4,4-DDD	13	92	2.9	mg/kg																				
4,4-DDE	8.9	62	2.1	mg/kg																				
4,4-DDT	7.9	47	2.1	mg/kg																				
Aldrin	0.097	0.68	0.041	mg/kg																				
Polychlorinated Biphenyls																								
Aroclor 1248	NS	NS	NS	mg/kg																				
Aroclor 1254	NS	NS	NS	mg/kg																				
Total PCBs (Surface)	1	1	1	mg/kg																				
Metals																								
Aluminum	NS	NS	NS	mg/kg	18200				1330		12000		1430				10800	D	9810		16800	D	17500	
Antimony	NS	NS	NS	mg/kg	3.5	N			2.1	UN	2.1	UN	2	UN			20.700001	UND	2.1	UN	20.200001	UND	2	UN
Arsenic	16	16	NS	mg/kg	5.2						4.2		9.9						2.1				2.2	
Barium	400	400	NS	mg/kg	117				14.6		151		48.2				94.4	D	91.8		109	D	122	
Beryllium	72	590	NS	mg/kg	1.3	N			0.17	JN	0.79	N	0.23	JN			1.6	JND	0.41	N	1.8	JND	0.78	N
Cadmium	4.3	9.3	NS	mg/kg	0.11	J					0.09	J												
Calcium	NS	NS	NS	mg/kg	2230				5750		43200	OR	493				74200	D	52800	OR	50800	D	43900	OR
Chromium	110	400	NS	mg/kg	26.3	N			1.9	N	18	N	6.7	N			15.8	ND	14.5	N	23.5	ND	25.3	N
Cobalt	NS	NS	NS	mg/kg	14.3	N			0.96	JN	11.4	N	4.2	N			8.2	JND	10.1	N	9.3	JND	13.2	N
Copper	270	270	NS	mg/kg	32.1	N			2.4	N	22.5	N	20.5	N			21.5	ND	20.7	N	22.9	ND	26.6	N
Cyanide	27	27	NS	mg/kg																				
Iron	NS	NS	NS	mg/kg	43400				3210		29000		39800				26800	D	20800		34200	D	31500	
Lead	400	1000	NS	mg/kg	61.4	N			4.6	N	43.3	N	61.6	N			41.6	ND	31.6	N	48.9	ND	43	N
Magnesium	NS	NS	NS	mg/kg	7560				1400		11400		141				25200	D	20800		13000	D	12600	
Manganese	2000	10000	NS	mg/kg	216				44.2		371						730	D	582		466	D	446	
Mercury	0.81	2.8	NS	mg/kg	0.027						0.019		0.014										0.008	J
Nickel	310	310	NS	mg/kg	40.4	N			2.9	N	27.6	N	8.2	N			24.5	ND	20.3	N	34.3	ND	32.5	N
Potassium	NS	NS	NS	mg/kg	2030				241		2920		219				1970	D	1930		2710	D	3100	
Selenium	180	1500	NS	mg/kg	1.7	N			0.85	UN	0.42	JN	2.3	N			8.3	UND	0.83	UN	8.1	UND	0.81	UN
Silver	180	1500	NS	mg/kg	0.45	UN			0.42	UN	0.42	UN	0.4	UN			4.1	UND	0.41	UN	4	UND	0.4	UN
Sodium	NS	NS	NS	mg/kg	137	N*			157	N*	374	N*	280	N*			1430	N*D	650	N*	1200	N*D	556	N*
Thallium	NS	NS	NS	mg/kg																				
Vanadium	NS	NS	NS	mg/kg	46.3	N			1.8	N	32.5	N	23.5	N			16.3	JND	22.2	N	28	ND	37.4	N
Zinc	10000	10000	NS	mg/kg	96.4				6.6		55.9		37.1				73.6	D	68.2		68.9	D	75	

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

				Sample ID:	01 F		01 F		01 N		01 N		02 F		02 F		02 N		02 N		03 F		03 F		03 FRX		03 N		04 F		04 F		04 F	
				Start Depth:	1		1		3		3		1		1		4		4		1		1		1		3		0		0		2	
				End Depth:	2		2		4		4		2		2		5		5		2		2		2		4		1		1		3	
				Sample Code:	TP1 1-2 F Y5280		TP1 1-2 F Y5280		TP1 3-4 N Y5280		TP1 3-4 N Y5280		TP2 1-2 F Y5280		TP2 1-2 F Y5280		TP2 4-5 N Y5280		TP2 4-5 N Y5280		TP3 1-2 F Y5280		TP3 1-2 F Y5280		TP3 1-2 FRX Y5280		TP3 3-4 N Y5280		TP4 0-1 F Y5280		TP4 0-1 F Y5280		TP4 2-3 F Y5360	
				I=Initial, D1=Dilution:	I		Re1		D1		I		I		Re1		I		Re1		I		Re1		I		I		D1		I		Re1	
				Sample Date:	11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007		11/15/2007	
				N=Normal, FD=Field Duplicate:	N		N		N		N		N		N		N		N		N		N		N		N		N		N		N	
Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organics																																		
1,1,1-Trichloroethane	100	500	0.8	mg/kg																														
1,1-Dichloroethane	26	240	NS	mg/kg																														
2-Butanone	100	500	NS	mg/kg																														
4-Methyl-2-pentanone	NS	NS	1	mg/kg																														
Acetone	100	500	NS	mg/kg							0.092	J															0.17	J						
Benzene	4.8	44	NS	mg/kg									0.027	J	0.019	J											0.023	J						
Carbon Disulfide	NS	NS	NS	mg/kg																														
cis-1,2-Dichloroethene	100	500	NS	mg/kg																													0.86	
Cyclohexane	NS	NS	NS	mg/kg																													0.23	J
Dichlorodifluoromethane	NS	NS	NS	mg/kg																														
Ethylbenzene	41	390	NS	mg/kg																													0.24	J
m,p-Xylenes	NS	NS	NS	mg/kg																													0.68	J
Methyl Acetate	NS	NS	NS	mg/kg																														
Methyl Cyclohexane	NS	NS	NS	mg/kg																							0.023	J						
Methylene Chloride	100	500	0.1	mg/kg	0.017	J	0.024	J					0.019	J	0.019	J	0.025	J	0.021	J	0.015	J	0.019	J										
o-Xylene	NS	NS	NS	mg/kg																													0.55	J
Tetrachloroethene	19	150	1.4	mg/kg	0.069		0.061						0.024	J	0.028	J	0.06		0.043		0.018	J	0.021	J										
Toluene	100	500	1.5	mg/kg																							0.029	J					0.67	J
Trichloroethene	21	200	0.7	mg/kg																													13.000001	
Semivolatile Organics																																		
2,4-Dimethylphenol	NS	NS	NS	mg/kg							0.065	J															0.18	J	23.000001	JD	26.000001			
2-Methylnaphthalene	NS	NS	36.4	mg/kg	0.11	J							0.14	J							0.11	J							10	JD	11.000001		0.66		0.66	
2-Methylphenol	100	500	0.1	mg/kg																											4.3	J		
4-Methylphenol	100	500	0.9	mg/kg																							0.11	J	11.000001	JD	13.000001			
Acenaphthene	100	500	50	mg/kg																									18.000001	JD	20.000001			
Acenaphthylene	100	500	41	mg/kg																											1.9	J		
Acetophenone	NS	NS	NS	mg/kg																														
Anthracene	100	500	50	mg/kg																							0.23	J	39.000002	D	44.000002			
Benzo[a]anthracene	1	5.6	0.224	mg/kg							0.055	J									0.16	J					0.7		**72**	D	**81.000004**	E	0.42		0.43	
Benzo[a]pyrene	1	1	0.061	mg/kg																	0.15	J					0.47		**55**	D	**57.000003**		0.33	J	0.32	J
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg							0.06	J																	**73**	D	**81.000004**	E	0.39	J	0.39	J
Benzo[g,h,i]perylene	100	500	50	mg/kg																	0.13	J					0.21	J	32.000002	JD	34.000002		0.2	J	0.19	J
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg																							0.22	J	**26**	JD	**22.000001**		0.16	J	0.15	J
Biphenyl	NS	NS	NS	mg/kg																											3	J	0.3	J	0.28	J
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																														
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg	0.13	J					0.1	J					0.095	J							0.13	J	0.17	J	27.000001	JD	32.000002			
Butylbenzyl Phthalate	NS	NS	50	mg/kg																														
Carbazole	NS	NS	NS	mg/kg																									20.000001	JD	23.000001			
Chrysene	3.9	56	0.4	mg/kg																	0.18	J					0.62		**69**	D	**72.000003**	E	0.38	J	0.39	J
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																									**4.8**	JD	**5.2**	J				
Dibenzofuran	59	350	6.2	mg/kg																									16.000001	JD	18.000001			
Dimethyl Phthalate	NS	NS	2	mg/kg																											3	J		
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg							0.29	J									0.17	J			0.14	J	0.66		260.000012	D	210.00001	E				
Fluoranthene	100	500	50	mg/kg							0.13	J									0.27	J					1.1		**150**	D	**140.00001**	E	1		0.88	
Fluorene	100	500	50	mg/kg																							0.097	J	22.000001	JD	25.000001			
Formaldehyde	NS	NS	NS	mg/kg																														
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg																	0.13	J					0.24	J	**34**	JD	**40.000002**		0.24	J	0.25	J
Naphthalene	100	500	13	mg/kg	0.07	J					0.069	J	0.078	J							0.1	J							22.000001	JD	24.000001		0.5		0.46	
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																														
Phenanthrene	100	500	50	mg/kg							0.11	J									0.23	J					0.63		**150**	D	**130.00001**	E				
Phenol	100	500	0.03	mg/kg																									8.5	JD	10			
Pyrene	100	500	50	mg/kg							0.11	J									0.23	J					0.91		**130**	D	**120.00001**	E	0.36	J	0.43	
Pesticides																																		
4,4-DDD	13	92	2.9	mg/kg																														
4,4-DDE	8.9	62	2.1	mg/kg																														
4,4-DDT	7.9	47	2.1	mg/kg																														
Aldrin	0.097	0.68	0.041	mg/kg																														
Polychlorinated Biphenyls																																		
Aroclor 1248	NS	NS	NS	mg/kg																														
Aroclor 1254	NS	NS	NS	mg/kg																									17.000001		8.1	E				
Total PCBs (Surface)	1	1	1	mg/kg	0						0		0				0				0						0		**17**		**8.1**		0			
Metals																																		
Aluminum	NS	NS	NS	mg/kg	32900				9360	D	8750		26800				20600				5700						18000		30200	D	27400		3860			
Antimony	NS	NS	NS	mg/kg						UD		U	12					U				U						U	125	D	140			U		
Arsenic	16	16	NS	mg/kg	9.68				4.01	JD	6.8		8.93				7.2				3.92						4.66		**47**	D	**41.6**		**34.9**			
Barium	400	400	NS	mg/kg	**455**				115	D	109		**417**				**404**				64						150		**810**	D	**702**		34.8			
Beryllium	72	590	NS	mg/kg	1.79				0.942	JD	0.453		1.41				1.2				0.395						0.748		1.51	JD	0.914		0.551			
Cadmium	4.3	9.3	NS	mg/kg						UD		U		U				U				U						U	**8.96**	D	**8.77**			U		
Calcium	NS	NS	NS	mg/kg	18300				67700	D	40881.82	OR	11800				8480				7490						16300		54500	D	35036.36	OR	2930			
Chromium	110	400	NS	mg/kg	**199**				14.6	D	13.1		**145**				**118**				14.7						23.2		**209**	D	176		8.8			
Cobalt	NS	NS	NS	mg/kg	10.5				7.05	JD	7.43		7.56				6.15				3.3						10.7		36.5	D	31.7		3.79			
Copper	270	270	NS	mg/kg	35.2				37.4	D	34.9		23.1				19.9				42.5						40.7		**770**	D	**717**		29.9			
Cyanide	27	27	NS	mg/kg								U		U				U				U						U			0.685			U		
Iron	NS	NS	NS	mg/kg	61500				18200	D	15100		52000				51200				31500						30500		31900	D	26200		11300			
Lead	400	1000	NS	mg/kg	3.34				16.4	D	16.4		2.87				2.08				43.2						34.1		**1190**	D	**992**		22.4			
Magnesium	NS	NS	NS	mg/kg	2220				22400	D	20000		1220				1010				2600						6730		8410	D	7170		257			
Manganese	2000	10000	NS	mg/kg	182				569	D	474		87.8				70.3				957						451		930	D	757		16.6			
Mercury	0.81	2.8	NS	mg/kg							0.023			U				U				U					0.011	J			0.011		0.031			
Nickel	310	310	NS	mg/kg	28.3				16.5	D	15.6		16.2				13.8				13.6						26.2		51.6	D	44		11.6			
Potassium	NS	NS	NS	mg/kg	3770				1640	D	2130		2670				2360				927						2450		699	JD	841		193			
Selenium	180	1500	NS	mg/kg						UD		U		U				U				U						U		UD	0.482	J	0.946			
Silver	180	1500	NS	mg/kg						UD		U		U				U				U						U	14.8	D	11.7			U		
Sodium	NS	NS	NS	mg/kg	1560				261	JD	299		1330				895				188						252		2080	D	2010		197			
Thallium	NS	NS	NS	mg/kg						UD		U		U				U				U						U		UD		U		U		
Vanadium	NS	NS	NS	mg/kg	44.1				19.8	D	18.1		34.4				26.8				14.3						30.9		33.1	D	29.1		10.2			
Zinc	10000	10000	NS	mg/kg	47.7				236	D	198		26.7				24.7				168						126		6500	D	4830		227			

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	04 N	05 N	05 N	05 N	05 N	05 N	06 N	07 F	07 F	07 F	07 N	08 F	08 F	08 N	09 N	10 N
					Start Depth:	7	6	6	10	10	10	2	1	1	1	2	1	1	2	2	4
					End Depth:	8	8	8	11	11	11	3	1.5	1.5	1.5	3	2	2	3	3	6
					Sample Code:	TP4 7-8 N Y5360	5 N 6-8 Y5070	5 N 6-8 Y5070	5 N 10-11 Y5070	5 N 10-11 Y5070	5 N 10-11 Y5070	TP6 2-3 N Y5423	TP7 1.0-1.5 F Y5423	TP7 1.0-1.5 F Y5423	TP7 1.0-1.5 F Y5423	TP7 2-3 N Y5423	TP8 1-2 F Y5423	TP8 1-2 F Y5423	TP8 2-3 N Y5423	TP9 2-3 N Y5423	10 N 4-6 Y5070
					I=Initial, D1=Dilution:	I	I	Re1	D1	I	Re1	I	D1	I	Re1	I	I	Re1	I	I	I
					Sample Date:	11/15/2007	10/31/2007	10/31/2007	10/31/2007	10/31/2007	10/31/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	10/31/2007
					N=Normal, FD=Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
						Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics																					
1,1,1-Trichloroethane	100	500	0.8	mg/kg																	
1,1-Dichloroethane	26	240	NS	mg/kg																	
2-Butanone	100	500	NS	mg/kg																	
4-Methyl-2-pentanone	NS	NS	1	mg/kg																	
Acetone	100	500	NS	mg/kg	0.12 J	0.098 J	0.095 J				0.15 J				0.17						
Benzene	4.8	44	NS	mg/kg																	
Carbon Disulfide	NS	NS	NS	mg/kg																	
cis-1,2-Dichloroethene	100	500	NS	mg/kg																	
Cyclohexane	NS	NS	NS	mg/kg																	
Dichlorodifluoromethane	NS	NS	NS	mg/kg																	
Ethylbenzene	41	390	NS	mg/kg																	
m,p-Xylenes	NS	NS	NS	mg/kg																	
Methyl Acetate	NS	NS	NS	mg/kg																	
Methyl Cyclohexane	NS	NS	NS	mg/kg																	
Methylene Chloride	100	500	0.1	mg/kg										0.021 J	0.017 J						
o-Xylene	NS	NS	NS	mg/kg																	
Tetrachloroethene	19	150	1.4	mg/kg										0.12	0.1		0.09 J	0.072 J		0.026 J	
Toluene	100	500	1.5	mg/kg														0.022 J			
Trichloroethene	21	200	0.7	mg/kg																	
Semivolatile Organics																					
2,4-Dimethylphenol	NS	NS	NS	mg/kg										0.067 J							
2-Methylnaphthalene	NS	NS	36.4	mg/kg								0.5 JD	0.51				0.19 J				
2-Methylphenol	100	500	0.1	mg/kg																	
4-Methylphenol	100	500	0.9	mg/kg									0.088 J								
Acenaphthene	100	500	50	mg/kg								0.59 JD	0.6								
Acenaphthylene	100	500	41	mg/kg								0.14 JD	0.16 J								
Acetophenone	NS	NS	NS	mg/kg																	
Anthracene	100	500	50	mg/kg								1.1 D	1.1							0.079 J	
Benzo[a]anthracene	1	5.6	0.224	mg/kg								**2.3** D	**2.3**							0.2 J	
Benzo[a]pyrene	1	1	0.061	mg/kg								**2** D	**1.9**							0.13 J	
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg								**2.5** D				0.056 J				0.17 J	
Benzo[g,h,i]perylene	100	500	50	mg/kg								1 D	0.88							0.077 J	
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg								0.98 D	0.83								
Biphenyl	NS	NS	NS	mg/kg									0.1 J								
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																	
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg									0.084 J				0.1 J				
Butylbenzyl Phthalate	NS	NS	50	mg/kg																	
Carbazole	NS	NS	NS	mg/kg								0.6 JD	0.62								
Chrysene	3.9	56	0.4	mg/kg								2.2 D	2.1							0.17 J	
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg								0.14 JD	0.14 J								
Dibenzofuran	59	350	6.2	mg/kg								0.56 JD	0.57								
Dimethyl Phthalate	NS	NS	2	mg/kg																	
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg	0.15 J							1.2 D	1.2			0.16 J					
Fluoranthene	100	500	50	mg/kg		0.093 J						4 D	3.8 E			0.086 J				0.44	
Fluorene	100	500	50	mg/kg	0.12 J							0.69 JD	0.7								
Formaldehyde	NS	NS	NS	mg/kg																	
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg								**1.1** D	**1**							0.078 J	
Naphthalene	100	500	13	mg/kg								0.86 D	0.88				0.11 J				
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																	
Phenanthrene	100	500	50	mg/kg								4 D	3.8 E			0.076 J	0.12 J			0.4 J	
Phenol	100	500	0.03	mg/kg																	
Pyrene	100	500	50	mg/kg		0.082 J						3.5 D	3.4			0.087 J				0.35 J	
Pesticides																					
4,4-DDD	13	92	2.9	mg/kg		0.01															
4,4-DDE	8.9	62	2.1	mg/kg																	
4,4-DDT	7.9	47	2.1	mg/kg																	
Aldrin	0.097	0.68	0.041	mg/kg																	
Polychlorinated Biphenyls																					
Aroclor 1248	NS	NS	NS	mg/kg						U	U	U		U		U	U		U	U	U
Aroclor 1254	NS	NS	NS	mg/kg						U	U	U		U		U	U		U	U	U
Total PCBs (Surface)	1	1	1	mg/kg	0	0	0		0		0	0		0		0	0		0	0	0
Metals																					
Aluminum	NS	NS	NS	mg/kg	16200	15500		14900 D	14300		19100			11800		26800	2460		20800	17400	16700
Antimony	NS	NS	NS	mg/kg	U	2.24 UR		20.9 UDR	2.09 UR		U			U		6.3	0.28 J		U	U	2.12 UR
Arsenic	16	16	NS	mg/kg	5.62	6.78 J		8.64 JD	3.75 J		5			7.1		5.5	0.82 U		5.1	5.2	6.11 J
Barium	400	400	NS	mg/kg	169	144		142 D	144		115			86.8		128	20.1		138	114	107
Beryllium	72	590	NS	mg/kg	0.843	0.782 J		1.57 JD	0.695 J		0.9			1.7		1.1	0.1 J		1	0.82	0.861 J
Cadmium	4.3	9.3	NS	mg/kg	0.478 J	2.18 J		3.15 JD	2 J		U			U		U	0.13 J		U	U	2.25 J
Calcium	NS	NS	NS	mg/kg	48400	38200 J		62300 JD	45663.34 ORJ		2410			42400		2040	5030		11800	25700	23900
Chromium	110	400	NS	mg/kg	23	22.3		23.1 D	21.6		22.4			3.6		30.2	U		27	21.9	21.7
Cobalt	NS	NS	NS	mg/kg	12.3	13.3 J		12 JD	12.9 J		11.7			2.5		14.8	U		13.2	12.2	13.6 J
Copper	270	270	NS	mg/kg	23.5	35.5		27.6 D	29.1		20			21.9		27.8	3.5		23.5	23	26.5
Cyanide	27	27	NS	mg/kg	U	U			U		U			10		U	13		U	U	U
Iron	NS	NS	NS	mg/kg	27400	25400 J		28100 JD	23200 J		29200			11900		33200	1210		31400	28000	26000 J
Lead	400	1000	NS	mg/kg	11	27.4 J		25.5 JD	25.5 J		42			40.7		45	6.7		45	40.6	18.6 J
Magnesium	NS	NS	NS	mg/kg	15600	11300 J		18200 JD	15400 J		6460			3270		6580	290		9990	11600	6240 J
Manganese	2000	10000	NS	mg/kg	511	505 J		607 JD	502 J		176			479		235	67.1		350	439	707 J
Mercury	0.81	2.8	NS	mg/kg	0.012 J	0.028 J			0.022 J		U			U		U	0.016		U	U	0.044 J
Nickel	310	310	NS	mg/kg	28.4	28.1		28.2 D	26.8		28.1			6.5		31.2	U		32.9	28.6	22.6
Potassium	NS	NS	NS	mg/kg	3160	3090 N		2670 ND	3500 N		2830			1100		3450	246		3790	3460	2070 N
Selenium	180	1500	NS	mg/kg	U	U		UD	U		1.4			1.6		1.3	3		2	1.2	U
Silver	180	1500	NS	mg/kg	U	0.448 UR		4.17 UDR	0.417 UR		U			U		U	U		U	U	0.424 UR
Sodium	NS	NS	NS	mg/kg	396	365 NJ		834 UND	456 NJ		193			462		274	1080		241	312	436 J
Thallium	NS	NS	NS	mg/kg	U	U		UD	U		U			U		U	U		U	U	U
Vanadium	NS	NS	NS	mg/kg	31.2	32.9 J		28.3 JD	27.5 J		39.4			8.3		46.7	4.2		41.4	35.1	33.7 J
Zinc	10000	10000	NS	mg/kg	79.3	195 J		133 JD	113 J		76.7			134		82.4	3.8		126	63.4	503 J

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

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Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	14 F	14 N	14 N	15 N	15 N	15 N	15 N	15 N	15 N	16 F	16 F	16 N	16 N	17 F	17 N	17 N
					Start Depth:	1	3	3	1	1	1	1	3	3	2	2	14	14	1	4	5
					End Depth:	2	4	4	2	2	2	2	4	4	3	3	16	16	2	5	6
					Sample Code:	TP14 1-2 F Y5360	TP14 3-4 N Y5360	TP14 3-4 N Y5360	TP15 1-2 N DUP Y5360	TP15 1-2 N DUP Y5360	TP15 1-2 N Y5360	TP15 1-2 N Y5360	TP15 3-4 N Y5360	TP15 3-4 N Y5360	16 F 2-3 Y5133	16 F 2-3 Y5133	16 N 14-16 Y5133	16 N 14-16 Y5133	TP17 1-2 F Y5360	TP17 4-5 N Y5360	TP17 5-6N Y5361
					I=Initial, D1=Dilution:	I	D1	I	D1	I	D1	I	D1	I	I	Re1	D1	I	I	I	I
					Sample Date:	11/15/2007	11/15/2007	11/15/2007	11/15/2007	11/15/2007	11/15/2007	11/15/2007	11/15/2007	11/15/2007	10/31/2007	10/31/2007	10/31/2007	10/31/2007	11/15/2007	11/15/2007	11/19/2007
					N=Normal, FD=Field Duplicate:	N	N	N	FD	FD	N	N	N	N	N	N	N	N	N	N	N
						Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics																					
1,1,1-Trichloroethane	100	500	0.8	mg/kg																	
1,1-Dichloroethane	26	240	NS	mg/kg																	
2-Butanone	100	500	NS	mg/kg																	
4-Methyl-2-pentanone	NS	NS	1	mg/kg																	
Acetone	100	500	NS	mg/kg	0.34			0.15 J								0.14 J				0.11 J	
Benzene	4.8	44	NS	mg/kg																	
Carbon Disulfide	NS	NS	NS	mg/kg																	
cis-1,2-Dichloroethene	100	500	NS	mg/kg	0.023 J																
Cyclohexane	NS	NS	NS	mg/kg																	
Dichlorodifluoromethane	NS	NS	NS	mg/kg																	
Ethylbenzene	41	390	NS	mg/kg																	
m,p-Xylenes	NS	NS	NS	mg/kg																	
Methyl Acetate	NS	NS	NS	mg/kg																	
Methyl Cyclohexane	NS	NS	NS	mg/kg																	
Methylene Chloride	100	500	0.1	mg/kg																	
o-Xylene	NS	NS	NS	mg/kg																	
Tetrachloroethene	19	150	1.4	mg/kg	0.043														0.073	0.018 J	0.019 J
Toluene	100	500	1.5	mg/kg																	
Trichloroethene	21	200	0.7	mg/kg																	
Semivolatile Organics																					
2,4-Dimethylphenol	NS	NS	NS	mg/kg	0.24 J										0.064 J						
2-Methylnaphthalene	NS	NS	36.4	mg/kg											0.35 J				0.22 J		
2-Methylphenol	100	500	0.1	mg/kg	0.084 J																
4-Methylphenol	100	500	0.9	mg/kg	0.19 J										0.065 J						
Acenaphthene	100	500	50	mg/kg											0.079 J						
Acenaphthylene	100	500	41	mg/kg																	
Acetophenone	NS	NS	NS	mg/kg																	
Anthracene	100	500	50	mg/kg	0.072 J															0.097 J	
Benzo[a]anthracene	1	5.6	0.224	mg/kg	0.19 J										0.15 J				0.091 J	0.27 J	
Benzo[a]pyrene	1	1	0.061	mg/kg	0.17 J										0.2 J				0.13 J	0.21 J	
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg	0.21 J										0.25 J				0.15 J	0.25 J	
Benzo[g,h,i]perylene	100	500	50	mg/kg	0.12 J										0.2 J				0.13 J	0.13 J	
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg																	
Biphenyl	NS	NS	NS	mg/kg																	
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																	
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg	0.2 J																
Butylbenzyl Phthalate	NS	NS	50	mg/kg																	
Carbazole	NS	NS	NS	mg/kg																	
Chrysene	3.9	56	0.4	mg/kg	0.18 J										0.16 J				0.11 J	0.25 J	
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																	
Dibenzofuran	59	350	6.2	mg/kg											0.081 J						
Dimethyl Phthalate	NS	NS	2	mg/kg																	
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg	7.1 E																
Fluoranthene	100	500	50	mg/kg	0.43 J										0.19 J				0.12 J	0.57	
Fluorene	100	500	50	mg/kg											0.066 J						
Formaldehyde	NS	NS	NS	mg/kg																	
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg	0.13 J										0.19 J				0.13 J	0.15 J	
Naphthalene	100	500	13	mg/kg											0.41				0.24 J		
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																	
Phenanthrene	100	500	50	mg/kg	0.27 J										0.27 J				0.18 J	0.39 J	
Phenol	100	500	0.03	mg/kg																	
Pyrene	100	500	50	mg/kg	0.35 J										0.19 J				0.12 J	0.48	
Pesticides																					
4,4-DDD	13	92	2.9	mg/kg																	
4,4-DDE	8.9	62	2.1	mg/kg																	
4,4-DDT	7.9	47	2.1	mg/kg																	
Aldrin	0.097	0.68	0.041	mg/kg																	
Polychlorinated Biphenyls																					
Aroclor 1248	NS	NS	NS	mg/kg	U			U		U		U		U	U			U	U	U	U
Aroclor 1254	NS	NS	NS	mg/kg	U			U		U		U		U	U			U	U	U	U
Total PCBs (Surface)	1	1	1	mg/kg	0			0		0		0		0	0			0	0	0	0
Metals																					
Aluminum	NS	NS	NS	mg/kg	14300	11100 D	11100	6680 D	6280	6760 D	6230	7410 D	6900	5070		7020 D	6810	8640	16400	15800	
Antimony	NS	NS	NS	mg/kg	U	UD	U	UD	U	UD	U	UD	U	U		UD	U	U	U	U	
Arsenic	16	16	NS	mg/kg	**20.6**	UD	2.34	UD	1.9	UD	2.07	UD	1.6	1.76		4.51 JD	2.08	1.83	6.13	2.58	
Barium	400	400	NS	mg/kg	177	42.7 JD	64.3	88.3 D	86.8	68.8 D	68.2	87.4 D	83.7	86.6		35.7 JD	33.8	146	158	254	
Beryllium	72	590	NS	mg/kg	1.97	2.42 JD	0.626	0.973 JD	0.346	0.915 JD	0.344	0.805 JD	0.349	0.531		2.25 JD	0.44	1.13	0.923	1.46	
Cadmium	4.3	9.3	NS	mg/kg	2.62	1.21 JD	5.11	UD	0.315 J	UD	0.343 J	UD	0.383 J	1.03		2.62 JD	1.26	0.361 J	0.874	0.507 J	
Calcium	NS	NS	NS	mg/kg	53494.91 OR	30500 D	25600	91700 D	59604.78 OR	94400 D	61383.78 OR	101000 D	63645.3 OR	15600		72400 D	50682.3 OR	28600	38900	26000	
Chromium	110	400	NS	mg/kg	44.8	16.3 D	16.3	11.7 D	10.1	11.5 D	10	12.5 D	10.7	9.35		11.3 D	10.1	11.1	27.4	23.4	
Cobalt	NS	NS	NS	mg/kg	13.5	11.9 JD	12.2	6.09 JD	5.41	6.73 JD	5.87	6.28 JD	5.89	1.6		6.65 JD	6.11	2.44	9.29	6.55	
Copper	270	270	NS	mg/kg	**280**	15.8 JD	20.2	15.2 D	16.1	16.9 D	17.3	17.8 D	16.1	38.7		16.1 D	16.3	27.9	60.6	18.3	
Cyanide	27	27	NS	mg/kg	U		U		U		U		U	U			U		U	U	U
Iron	NS	NS	NS	mg/kg	27500	22800 D	20500	15100 D	12200	15300 D	12500	16300 D	12900	7450		13900 D	11500	7520	23700	16300	
Lead	400	1000	NS	mg/kg	288	8.64 JD	11	12.9 D	11.8	14.3 D	12	14.2 D	11.3	134		6.8 JD	8.75	121	50.9	23.6	
Magnesium	NS	NS	NS	mg/kg	12600	15600 D	14600	23700 D	20400	24700 D	21100	19700 D	16600	6250		23400 D	19900	6910	17500	12200	
Manganese	2000	10000	NS	mg/kg	1520	825 D	720	599 D	482	623 D	498	737 D	580	724		561 D	462	**2020**	1120	**2800**	
Mercury	0.81	2.8	NS	mg/kg	0.139		0.013		0.011 J		0.007 J		0.009 J	0.028			0.013	0.007 J	0.025	0.019	
Nickel	310	310	NS	mg/kg	45.3	27.8 JD	29.2	12.4 JD	11.9	13.3 JD	12.1	14.7 JD	13.2	19		13.8 JD	12.4	6.42	20.8	11.8	
Potassium	NS	NS	NS	mg/kg	1240	761 JD	1440	813 JD	1180	866 JD	1200	986 JD	1400	760		1440 JD	1900	1110	2000	1850	
Selenium	180	1500	NS	mg/kg	U	UD	U	UD	U	UD	U	UD	U	U		UD	U	U	U	U	
Silver	180	1500	NS	mg/kg	U	UD	U	UD	U	UD	U	UD	U	U		UD	U	U	U	U	
Sodium	NS	NS	NS	mg/kg	3340	6360 D	6530	UD	308	UD	372	UD	289	588		UD	336	1410	602	770	
Thallium	NS	NS	NS	mg/kg	U	UD	U	UD	U	UD	U	UD	U	U		UD	U	U	U	U	
Vanadium	NS	NS	NS	mg/kg	17.6	20.5 JD	21.5	17.3 D	15.5	18 D	15.9	17.7 D	15.5	6.64		16.8 D	14.5	7.25	27.5	22.7	
Zinc	10000	10000	NS	mg/kg	**11603.1** OR	**39600** D	**18159** OR	444 D	349	464 D	373	655 D	504	231		90.4 D	79	238	1380	463	

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	17.1 F	17.1 F	18 F	18 N	18 N	18 N	19 N	19 N	19 N	20 N	21 N	21 N	21 N	22 F	22 F	22 N
					Start Depth:	5	5	1	3	3	6	1	1	2	6	3	13	13	1	1	2
					End Depth:	6	6	2	5	5	7	2	2	3	7	5	15	15	2	2	3
					Sample Code:	TP17.1 5-6 F Y5423	TP17.1 5-6 F Y5423	TP18 1-2 F Y5360	TP18 3-5 N Y5360	TP18 3-5 N Y5360	TP18 6-7N Y5361	TP19 1-2 N Y5360	TP19 1-2 N Y5360	TP19 2-3 N Y5360	20 N 6-7 Y5133	21 N 3-5 Y5280	21 N 13-15 Y5280	21 N 13-15 Y5280	TP22 1-2F Y5361	TP22 1-2F Y5361	TP22 2-3N Y5361
					I=Initial, D1=Dilution:	I	Re1	I	D1	I	I	D1	I	I	I	I	D1	I	D1	I	D1
					Sample Date:	11/20/2007	11/20/2007	11/15/2007	11/15/2007	11/15/2007	11/19/2007	11/15/2007	11/15/2007	11/15/2007	10/31/2007	11/12/2007	11/12/2007	11/12/2007	11/19/2007	11/19/2007	11/19/2007
					N=Normal, FD=Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organics																					
1,1,1-Trichloroethane	100	500	0.8	mg/kg																	
1,1-Dichloroethane	26	240	NS	mg/kg																	
2-Butanone	100	500	NS	mg/kg												0.087 J				0.11 J	
4-Methyl-2-pentanone	NS	NS	1	mg/kg																	
Acetone	100	500	NS	mg/kg						0.15 J			0.095 J			0.54				0.51	
Benzene	4.8	44	NS	mg/kg																	
Carbon Disulfide	NS	NS	NS	mg/kg									0.026 J								
cis-1,2-Dichloroethene	100	500	NS	mg/kg																	
Cyclohexane	NS	NS	NS	mg/kg																	
Dichlorodifluoromethane	NS	NS	NS	mg/kg																	
Ethylbenzene	41	390	NS	mg/kg																	
m,p-Xylenes	NS	NS	NS	mg/kg																	
Methyl Acetate	NS	NS	NS	mg/kg																	
Methyl Cyclohexane	NS	NS	NS	mg/kg																	
Methylene Chloride	100	500	0.1	mg/kg		0.017 J															
o-Xylene	NS	NS	NS	mg/kg																	
Tetrachloroethene	19	150	1.4	mg/kg		0.022 J		0.039													
Toluene	100	500	1.5	mg/kg																	
Trichloroethene	21	200	0.7	mg/kg																	
Semivolatile Organics																					
2,4-Dimethylphenol	NS	NS	NS	mg/kg				0.19 J													
2-Methylnaphthalene	NS	NS	36.4	mg/kg	0.16 J			1.1													
2-Methylphenol	100	500	0.1	mg/kg				0.25 J													
4-Methylphenol	100	500	0.9	mg/kg				0.58													
Acenaphthene	100	500	50	mg/kg				0.41													
Acenaphthylene	100	500	41	mg/kg																	
Acetophenone	NS	NS	NS	mg/kg																	
Anthracene	100	500	50	mg/kg				0.43													
Benzo[a]anthracene	1	5.6	0.224	mg/kg				0.98		0.075 J											
Benzo[a]pyrene	1	1	0.061	mg/kg	0.11 J			**1.2**		0.07 J	0.071 J										
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg	0.13 J			**1.4**		0.086 J	0.077 J										
Benzo[g,h,i]perylene	100	500	50	mg/kg	0.1 J			1.1			0.072 J										
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg				0.48													
Biphenyl	NS	NS	NS	mg/kg				0.25 J													
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																	
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg																	
Butylbenzyl Phthalate	NS	NS	50	mg/kg																	
Carbazole	NS	NS	NS	mg/kg				0.17 J													
Chrysene	3.9	56	0.4	mg/kg				1													
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg				0.068 J													
Dibenzofuran	59	350	6.2	mg/kg				0.25 J													
Dimethyl Phthalate	NS	NS	2	mg/kg																	
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg	0.097 J																
Fluoranthene	100	500	50	mg/kg				1.7		0.17 J											
Fluorene	100	500	50	mg/kg				0.36													
Formaldehyde	NS	NS	NS	mg/kg																	
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg	0.091 J			**1.1**			0.058 J										
Naphthalene	100	500	13	mg/kg	0.2 J			1.2													
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																	
Phenanthrene	100	500	50	mg/kg	0.088 J			1.9		0.12 J											
Phenol	100	500	0.03	mg/kg																	
Pyrene	100	500	50	mg/kg				1.8		0.14 J											
Pesticides																					
4,4-DDD	13	92	2.9	mg/kg																	
4,4-DDE	8.9	62	2.1	mg/kg																	
4,4-DDT	7.9	47	2.1	mg/kg																	
Aldrin	0.097	0.68	0.041	mg/kg																	
Polychlorinated Biphenyls																					
Aroclor 1248	NS	NS	NS	mg/kg	U			U		U	U		U	U	U	U		U		U	
Aroclor 1254	NS	NS	NS	mg/kg	U			U		U	U		U	U	U	U		U		U	
Total PCBs (Surface)	1	1	1	mg/kg	0			0		0	0		0	0	0	0		0		0	
Metals																					
Aluminum	NS	NS	NS	mg/kg	5220			5100	22300 D	20600	16600	19900 D	20900	23800	13300	16500	9600 D	8790	22400 D	22900	27000 D
Antimony	NS	NS	NS	mg/kg	1.6 J			U	UD	U	U	UD	U	U	U	U	UD	U	UD	U	UD
Arsenic	16	16	NS	mg/kg	3.3			2.08	3.8 JD	6.1	2.12	UD	3.93	3.89	3.11	2.98	UD	1.45	UD	2.66	UD
Barium	400	400	NS	mg/kg	79			75.1	176 D	172	152	UD	135	208	153	94.1	61 D	63.1	118 D	133	125 D
Beryllium	72	590	NS	mg/kg	0.39			0.521	3.99 JD	1.21	0.969	13.3 JD	1.24	1.46	0.81	0.721	0.771 JD	0.404	3.19 D	1.64	3.44 D
Cadmium	4.3	9.3	NS	mg/kg	U			0.392 J	UD	1.13	0.24 J	UD	1.32	0.541 J	1.83	0.086 J	UD	0.284 J	**5.63** JD	**8.89**	**43.3** D
Calcium	NS	NS	NS	mg/kg	8030			15100	8250 D	7030	29400	4880 JD	4570	3810	3700	2290	60000 D	42204.22 OR	3350 D	3010	3380 D
Chromium	110	400	NS	mg/kg	13.7			11.8	35.2 D	32.3	23.9	36.2 JD	50.5	34.2	18.4	21.1	13.9 D	12.9	25.7 D	26.9	31.4 D
Cobalt	NS	NS	NS	mg/kg	2.1			2.02	18 JD	16.6	11.1	UD	13.4	17.3	5.25	12.8	6.68 JD	6.87	10.3 JD	11.5	12.9 JD
Copper	270	270	NS	mg/kg	35.9			36.3	45.2 D	49.5	21	**291** D	**351**	24.5	16.4	12.7	16.1 D	16.7	17.6 D	22.3	16.2 D
Cyanide	27	27	NS	mg/kg	U			U		U	U		U	U	U	U		U		U	
Iron	NS	NS	NS	mg/kg	10400			13000	35900 D	32500	22700	36400 D	36100	34300	19500	23300	18500 D	14800	24100 D	23000	26600 D
Lead	400	1000	NS	mg/kg	44.3			85.6	23.1 D	21.6	11	221 D	225	17.2	9.12	16.8	4.83 JD	6.31	171 D	159	200 D
Magnesium	NS	NS	NS	mg/kg	3580			5360	12700 D	11400	12500	8330 JD	8220	7050	3250	4100	15100 D	12800	5230 D	5010	6130 D
Manganese	2000	10000	NS	mg/kg	683			910	596 D	519	369	355 D	366	368	200	665	645 D	516	434 D	415	468 D
Mercury	0.81	2.8	NS	mg/kg	U			0.016		0.026	0.026		0.036	0.032	0.03	0.029		0.007 J		0.073	
Nickel	310	310	NS	mg/kg	6.4			6.93	42.7 D	41.3	29.4	11.6 JD	35.5	33.9	14.5	15.2	14.9 JD	14.5	24 D	26.4	29 D
Potassium	NS	NS	NS	mg/kg	713			657	1880 JD	2350	2170	UD	2150	2440	1440	1900	1840 D	2370	1830 JD	2400	2030 D
Selenium	180	1500	NS	mg/kg	0.6 J			U	UD	U	U	UD	U	U	U	U	UD	U	UD	U	UD
Silver	180	1500	NS	mg/kg	U			U	UD	U	U	UD	U	U	U	U	UD	U	UD	U	UD
Sodium	NS	NS	NS	mg/kg	384			538	1460 JD	1360	620	3880 JD	3630	387	268	123	UD	272	3550 D	3670	4960 D
Thallium	NS	NS	NS	mg/kg	U			U	UD	U	U	UD	U	U	U	U	UD	U	UD	U	UD
Vanadium	NS	NS	NS	mg/kg	11.6			8.71	41.1 D	39.6	28.1	15.6 JD	37.5	45.4	29.9	37.7	21.4 D	19.7	37.1 D	39.6	45.2 D
Zinc	10000	10000	NS	mg/kg	245			517	5450 D	4420 OR	122	**21400** D	**13782.1** OR	1210	756	81.9	69.9 D	59.5	**20900** D	**14067.9** OR	**26700** D

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	22 N	23 N	23 N	24 F	24 F	24 N	24 N	25 F	25 F	25 N	25 N	26 N	27 F	27 N	28 F	28 F
					Start Depth:	2	1	1	5	5	7	7	7	7	11	11	1	0	2	2	2
					End Depth:	3	2	2	7	7	9	9	9	9	13	13	2	1	3	4	4
					Sample Code:	TP22 2-3N Y5361	TP23 1-2N Y5361	TP23 1-2N Y5361	24 F 5-7 Y5280	24 F 5-7 Y5280	24 N 7-9 Y5280	24 N 7-9 Y5280	25 F 7-9 Y5280	25 F 7-9 Y5280	25 N 11-13 Y5280	25 N 11-13 Y5280	TP26 1-2 N Y5361	TP27 0-1 F Y5361	TP27 2-3 N Y5361	28 F 2-4 Y5133	28 F 2-4 Y5133
					I=Initial, D1=Dilution:	I	D1	I	D1	I	D1	I	D1	I	D1	I	I	I	I	I	Re1
					Sample Date:	11/19/2007	11/19/2007	11/19/2007	11/13/2007	11/13/2007	11/13/2007	11/13/2007	11/13/2007	11/13/2007	11/13/2007	11/13/2007	11/16/2007	11/16/2007	11/16/2007	11/16/2007	11/01/2007	11/01/2007
					N=Normal, FD=Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
						Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics																					
1,1,1-Trichloroethane	100	500	0.8	mg/kg																	0.041
1,1-Dichloroethane	26	240	NS	mg/kg																	
2-Butanone	100	500	NS	mg/kg	0.13 J																
4-Methyl-2-pentanone	NS	NS	1	mg/kg																	
Acetone	100	500	NS	mg/kg	0.67							0.2		0.094 J							
Benzene	4.8	44	NS	mg/kg																	
Carbon Disulfide	NS	NS	NS	mg/kg																	
cis-1,2-Dichloroethene	100	500	NS	mg/kg																	
Cyclohexane	NS	NS	NS	mg/kg																	
Dichlorodifluoromethane	NS	NS	NS	mg/kg																	
Ethylbenzene	41	390	NS	mg/kg																	
m,p-Xylenes	NS	NS	NS	mg/kg																	
Methyl Acetate	NS	NS	NS	mg/kg																	
Methyl Cyclohexane	NS	NS	NS	mg/kg																	
Methylene Chloride	100	500	0.1	mg/kg																	0.021 J
o-Xylene	NS	NS	NS	mg/kg																	
Tetrachloroethene	19	150	1.4	mg/kg	0.021 J													0.038			0.032
Toluene	100	500	1.5	mg/kg																	
Trichloroethene	21	200	0.7	mg/kg																	
Semivolatile Organics																					
2,4-Dimethylphenol	NS	NS	NS	mg/kg																	
2-Methylnaphthalene	NS	NS	36.4	mg/kg														0.28 J		0.11 J	
2-Methylphenol	100	500	0.1	mg/kg																	
4-Methylphenol	100	500	0.9	mg/kg																	
Acenaphthene	100	500	50	mg/kg														0.37 J			
Acenaphthylene	100	500	41	mg/kg																	
Acetophenone	NS	NS	NS	mg/kg																	
Anthracene	100	500	50	mg/kg														0.66			
Benzo[a]anthracene	1	5.6	0.224	mg/kg														0.92			
Benzo[a]pyrene	1	1	0.061	mg/kg														0.64		0.15 J	
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg														0.84		0.23 J	
Benzo[g,h,i]perylene	100	500	50	mg/kg														0.41 J		0.13 J	
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg														0.35 J			
Biphenyl	NS	NS	NS	mg/kg																	
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																	
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg						0.31 J		0.11 J		0.35 J		0.15 J				0.15 JB	
Butylbenzyl Phthalate	NS	NS	50	mg/kg																	
Carbazole	NS	NS	NS	mg/kg														0.3 J			
Chrysene	3.9	56	0.4	mg/kg														0.88		0.14 J	
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg														0.059 J			
Dibenzofuran	59	350	6.2	mg/kg														0.28 J			
Dimethyl Phthalate	NS	NS	2	mg/kg																	
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg														0.17 J			
Fluoranthene	100	500	50	mg/kg														2.1		0.14 J	
Fluorene	100	500	50	mg/kg														0.4 J			
Formaldehyde	NS	NS	NS	mg/kg																	
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg														0.46		0.098 J	
Naphthalene	100	500	13	mg/kg														0.23 J		0.07 J	
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																	
Phenanthrene	100	500	50	mg/kg														2.3		0.13 J	
Phenol	100	500	0.03	mg/kg																	
Pyrene	100	500	50	mg/kg														1.9		0.15 J	
Pesticides																					
4,4-DDD	13	92	2.9	mg/kg																	
4,4-DDE	8.9	62	2.1	mg/kg																	
4,4-DDT	7.9	47	2.1	mg/kg																	
Aldrin	0.097	0.68	0.041	mg/kg																	
Polychlorinated Biphenyls																					
Aroclor 1248	NS	NS	NS	mg/kg	U		U		U		U		U			U	U	U	U	U	
Aroclor 1254	NS	NS	NS	mg/kg	U		U		U		U		U			U	U	U	U	U	
Total PCBs (Surface)	1	1	1	mg/kg	0		0		0		0		0			0	0	0	0	0	
Metals																					
Aluminum	NS	NS	NS	mg/kg	25700	15200 D	14600	21600 D	20000	19300 D	19400	17600 D	14600	16500 D	15900	19700	2730	14000	3150		
Antimony	NS	NS	NS	mg/kg	U	UD	U	UD	U	UD	U	UD	U	UD	U	U	U	U	U		
Arsenic	16	16	NS	mg/kg	2.49	UD	3.33	UD	2.49	UD	1.73	UD	4.42	UD	3.65	3.79	8.86	3.97	2.55		
Barium	400	400	NS	mg/kg	130	119 D	121	131 D	125	114 D	119	102 JD	154	155 D	149	188	93.2	141	22.2		
Beryllium	72	590	NS	mg/kg	1.76	2.26 JD	0.905	3.41 D	2.49	1.39 JD	0.833	6.3 JD	0.682	1.22 JD	0.678	1.45	0.469	0.865	0.151 J		
Cadmium	4.3	9.3	NS	mg/kg	**39.7**	1.08 JD	3.08	UD	0.147 J	UD	0.129 J	UD	7.76	UD	U	0.401 J	0.582 J	1.22	2.53		
Calcium	NS	NS	NS	mg/kg	3010	66800 D	49719.11 OR	127000 D	59261.75 OR	3270 D	2860	26400 D	18400	54200 D	33480.92 OR	2780	7060	37900	3220		
Chromium	110	400	NS	mg/kg	29.6	22.9 D	20.7	8.72 D	8.07	26.1 D	25.4	26.9 JD	21.5	23.3 D	21.4	28.1	9.58	20.5	14.4		
Cobalt	NS	NS	NS	mg/kg	13.2	13.1 D	12.4	4.09 JD	4.68	12.3 JD	13.5	UD	11.2	12.6 JD	12.9	10.5	3.53	10.1	3.43		
Copper	270	270	NS	mg/kg	19.3	17.9 D	20.1	21 D	19.3	22.9 D	23.4	98.9 D	69.7	33 D	32.3	23.3	54	21.4	41.8		
Cyanide	27	27	NS	mg/kg	U		U		1.77		U		U		U	U	U	U	1.39		
Iron	NS	NS	NS	mg/kg	23700	25200 D	21400	12500 D	10400	30500 D	28500	33900 D	25700	27100 D	23600	28400	25200	21700	30800		
Lead	400	1000	NS	mg/kg	178	10.9 D	10.5	2.89 JD	4.55	7.95 JD	8.88	167 D	119	22.2 D	21.9	14.7	101	10.8	13.2		
Magnesium	NS	NS	NS	mg/kg	5460	12800 D	11500	12800 D	11200	7990 D	7680	15700 D	13000	15700 D	14500	6960	790	13600	708		
Manganese	2000	10000	NS	mg/kg	418	586 D	499	727 D	604	628 D	578	555 D	424	614 D	532	232	97.9	405	495		
Mercury	0.81	2.8	NS	mg/kg	0.052		0.015		0.006 J		0.011 J		0.119		0.017	0.013 J	0.031	0.024	0.039		
Nickel	310	310	NS	mg/kg	29.3	31.9 D	29.2	4.94 JD	5.87	33.6 D	32.4	13.7 JD	30	28.7 D	26.7	32.2	8.71	26.6	20.5		
Potassium	NS	NS	NS	mg/kg	2510	1750 D	2390	1050 JD	1380	2100 D	2880	2370 JD	2380	2910 D	3860	1690	456	1890	418		
Selenium	180	1500	NS	mg/kg	U	UD	U	UD	0.405 J	UD	U	UD	U	UD	U	U	U	U	U		
Silver	180	1500	NS	mg/kg	U	UD	U	UD	U	UD	U	UD	U	UD	U	U	U	U	U		
Sodium	NS	NS	NS	mg/kg	4440	783 JD	914	885 JD	802	6340 D	6050	11500 D	11600	659 JD	650	630	399	285	244		
Thallium	NS	NS	NS	mg/kg	2.41	UD	U	UD	U	UD	U	UD	U	UD	U	U	U	U	U		
Vanadium	NS	NS	NS	mg/kg	43.4	28 D	26.5	10.3 JD	9.2	33.1 D	32.7	24.5 JD	29	31.9 D	29.8	35.5	12.2	26.7	14.5		
Zinc	10000	10000	NS	mg/kg	**15680.4** OR	3960 D	3000	1760 D	1460	**24100** D	**11293.5** OR	**55300** D	**14473.2** OR	1720 D	1490	2650	1300	424	94.9		

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID: 28 N		Sample ID: 28 N		Sample ID: 28 N		Sample ID: 28 N		Sample ID: 29 F		Sample ID: 29 F		Sample ID: 29 N		Sample ID: 30 F		Sample ID: 30 F		Sample ID: 30 N		Sample ID: 30 N		Sample ID: 31 N		Sample ID: 32 N		Sample ID: 34 F		Sample ID: 34 N	
					Start Depth: 4		Start Depth: 8		Start Depth: 8		Start Depth: 8		Start Depth: 1		Start Depth: 1		Start Depth: 4		Start Depth: 2		Start Depth: 2		Start Depth: 6		Start Depth: 6		Start Depth: 1		Start Depth: 7		Start Depth: 1		Start Depth: 4	
					End Depth: 6		End Depth: 12		End Depth: 12		End Depth: 12		End Depth: 2		End Depth: 2		End Depth: 5		End Depth: 4		End Depth: 4		End Depth: 8		End Depth: 8		End Depth: 2		End Depth: 9		End Depth: 2		End Depth: 5	
					Sample Code: 28 N 4-6 Y5133		Sample Code: 28 N 8-12 DUP Y5133		Sample Code: 28 N 8-12 DUP Y5133		Sample Code: 28 N 8-12 Y5133		Sample Code: TP29 1-2 F Y5361		Sample Code: TP29 1-2 F Y5361		Sample Code: TP29 4-5 N Y5361		Sample Code: 30 F 2-4 Y5133		Sample Code: 30 F 2-4 Y5133		Sample Code: 30 N 6-8 Y5133		Sample Code: 30 N 6-8 Y5133		Sample Code: TP31 1-2 N Y5361		Sample Code: 32 N 7-9 Y5133		Sample Code: TP34 1-2 F Y5377		Sample Code: TP34 4-5 N Y5377	
					I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: D1		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: D1		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: D1		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: Re1		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: I		I=Initial, D1=Dilution: I	
					Sample Date: 11/01/2007		Sample Date: 11/01/2007		Sample Date: 11/01/2007		Sample Date: 11/01/2007		Sample Date: 11/15/2007		Sample Date: 11/15/2007		Sample Date: 11/15/2007		Sample Date: 11/01/2007		Sample Date: 11/01/2007		Sample Date: 11/01/2007		Sample Date: 11/01/2007		Sample Date: 11/15/2007		Sample Date: 11/01/2007		Sample Date: 11/16/2007		Sample Date: 11/16/2007	
					N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: FD		N=Normal, FD=Field Duplicate: FD		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N		N=Normal, FD=Field Duplicate: N	
					Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organics																																		
1,1,1-Trichloroethane	100	500	0.8	mg/kg																														
1,1-Dichloroethane	26	240	NS	mg/kg					0.21		0.05																						0.02	J
2-Butanone	100	500	NS	mg/kg							0.037	J																						
4-Methyl-2-pentanone	NS	NS	1	mg/kg																														
Acetone	100	500	NS	mg/kg					0.21		0.17										0.12	J							0.14	J	0.36		0.18	
Benzene	4.8	44	NS	mg/kg																														
Carbon Disulfide	NS	NS	NS	mg/kg																											0.034			
cis-1,2-Dichloroethene	100	500	NS	mg/kg																														
Cyclohexane	NS	NS	NS	mg/kg																														
Dichlorodifluoromethane	NS	NS	NS	mg/kg																														
Ethylbenzene	41	390	NS	mg/kg																														
m,p-Xylenes	NS	NS	NS	mg/kg																	0.024	J												
Methyl Acetate	NS	NS	NS	mg/kg																														
Methyl Cyclohexane	NS	NS	NS	mg/kg																														
Methylene Chloride	100	500	0.1	mg/kg																	0.04													
o-Xylene	NS	NS	NS	mg/kg																														
Tetrachloroethene	19	150	1.4	mg/kg	0.028	J									0.023	J	0.017	J													0.048			
Toluene	100	500	1.5	mg/kg																	0.015	J												
Trichloroethene	21	200	0.7	mg/kg																														
Semivolatile Organics																																		
2,4-Dimethylphenol	NS	NS	NS	mg/kg	0.83																0.09	J												
2-Methylnaphthalene	NS	NS	36.4	mg/kg																	0.11	J												
2-Methylphenol	100	500	0.1	mg/kg																														
4-Methylphenol	100	500	0.9	mg/kg	0.22	J															0.1	J												
Acenaphthene	100	500	50	mg/kg															0.083	JD	0.42										0.13	J		
Acenaphthylene	100	500	41	mg/kg																														
Acetophenone	NS	NS	NS	mg/kg																														
Anthracene	100	500	50	mg/kg											0.055	J			0.16	JD	0.83										0.28	J		
Benzo[a]anthracene	1	5.6	0.224	mg/kg					0.071	J					0.13	J			0.42	D	2.1										0.63			
Benzo[a]pyrene	1	1	0.061	mg/kg											0.12	J			0.36	JD	1.8										0.51			
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg	0.067	J			0.074	J					0.19	J			0.45	D					0.053	J								
Benzo[g,h,i]perylene	100	500	50	mg/kg											0.11	J			0.23	JD	1.1										0.35	J		
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg															0.18	JD	0.96										0.2	J		
Biphenyl	NS	NS	NS	mg/kg																														
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																														
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg	0.16	JB			0.14	JB	0.11	JB			0.53				0.096	JBD	0.59	B			0.29	JB			0.19	JB				
Butylbenzyl Phthalate	NS	NS	50	mg/kg																														
Carbazole	NS	NS	NS	mg/kg															0.09	JD	0.46										0.12	J		
Chrysene	3.9	56	0.4	mg/kg											0.23	J			0.42	D	2.1										0.58			
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																	0.12	J												
Dibenzofuran	59	350	6.2	mg/kg																	0.23	J									0.082	J		
Dimethyl Phthalate	NS	NS	2	mg/kg																														
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg	0.15	J									1.6				0.78	D	3.6	E			0.16	J								
Fluoranthene	100	500	50	mg/kg	0.072	J			0.18	J					0.2	J			0.96	D	4.1	E			0.14	J					1.6			
Fluorene	100	500	50	mg/kg															0.081	JD	0.39	J									0.13	J		
Formaldehyde	NS	NS	NS	mg/kg																														
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg											0.13	J			0.22	JD	1.1										0.39	J		
Naphthalene	100	500	13	mg/kg																	0.27	J									0.082	J		
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																														
Phenanthrene	100	500	50	mg/kg					0.18	J					0.16	J			0.71	D	3.3	E			0.12	J					1.1			
Phenol	100	500	0.03	mg/kg																														
Pyrene	100	500	50	mg/kg					0.14	J					0.22	J			0.84	D	4	E			0.12	J					1.3			
Pesticides																																		
4,4-DDD	13	92	2.9	mg/kg																														
4,4-DDE	8.9	62	2.1	mg/kg																														
4,4-DDT	7.9	47	2.1	mg/kg																	0.14		0.15											
Aldrin	0.097	0.68	0.041	mg/kg																	0.03		0.028											
Polychlorinated Biphenyls																																		
Aroclor 1248	NS	NS	NS	mg/kg		U				U		U	1.2		0.94	EP		U		UD		U				U				U		U		U
Aroclor 1254	NS	NS	NS	mg/kg		U				U		U		UD		U		U	0.72	DP	0.63	E				U				U		U		U
Total PCBs (Surface)	1	1	1	mg/kg	0				0		0		**1.2**		0.94		0		0.72		0.63				0				0		0		0	
Metals																																		
Aluminum	NS	NS	NS	mg/kg	10300		11800	D	10900		12500				2030		10800				9210				18700				19100		20100		8310		13200	
Antimony	NS	NS	NS	mg/kg		U		UD		U		U				U		U				U				U				U		U				U
Arsenic	16	16	NS	mg/kg	5			UD	3.74		6.6				3.35		3.49				3.34				2.17				3.89		5.38		10.5		1.8	
Barium	400	400	NS	mg/kg	89.1		99	D	97.8		61.2				27.6		61.4				113				89.4				181		197		126		134	
Beryllium	72	590	NS	mg/kg	0.588		0.759	JD	0.486		0.582				0.297		0.689				0.754				0.562				1.26		1.12		0.64		0.68	
Cadmium	4.3	9.3	NS	mg/kg	**5.44**			UD	2.08		2.38				**4.37**		0.675	J			**8.64**				2.48				0.41	J	**4.53**		0.46			U
Calcium	NS	NS	NS	mg/kg	11900		59400	D	42602.96	OR	33900				6860		1830				35100				1210				21600		6980		50200		53000	
Chromium	110	400	NS	mg/kg	19.5		19	D	16.3		18.6				41.8		15.4				47.2				24.2				27.7		28.9		37.7		22.9	
Cobalt	NS	NS	NS	mg/kg	7.36		11.1	JD	9.55		13.6				1.86		18.3				2.62				7.93				14.7		22.1		7.4		9.3	
Copper	270	270	NS	mg/kg	247		25.9	D	25		26.7				90.9		9.93				101				9.53				34.9		36.2		**496**		21.4	
Cyanide	27	27	NS	mg/kg		U				U		U				U		U			15					U				U		U				U
Iron	NS	NS	NS	mg/kg	24000		24600	D	19800		23900				17300		21200				18100				28000				28000		48600		24500		25800	
Lead	400	1000	NS	mg/kg	157		13	D	11.5		10.8				222		20.2				396				17.2				27.6		14.3		159		40.7	
Magnesium	NS	NS	NS	mg/kg	4930		21400	D	17500		13500				605		2470				1410				4320				12100		6890		18300		16800	
Manganese	2000	10000	NS	mg/kg	328		489	D	394		417				599		855				1460				187				465		296		500		489	
Mercury	0.81	2.8	NS	mg/kg	0.047				0.015		0.006	J			0.106		0.032					U				U			0.016		0.022		**1.3**	D		U
Nickel	310	310	NS	mg/kg	22.3		26.6	D	22.6		25.6				13.8		12.5				17.4				19.6				36.5		47.4		19.3		25.3	
Potassium	NS	NS	NS	mg/kg	1300		1820	D	2240		2470				279		753				1090				1660				2510		1860		2120		3520	
Selenium	180	1500	NS	mg/kg		U		UD		U		U				U		U				U				U				U		U		0.51	J
Silver	180	1500	NS	mg/kg		U		UD		U		U				U		U			1.24					U				U		U				U
Sodium	NS	NS	NS	mg/kg	2180		386	JD	338		416				419		639				855				363				625		333		496		507	
Thallium	NS	NS	NS	mg/kg		U		UD		U		U				U		U				U				U				U		U				U
Vanadium	NS	NS	NS	mg/kg	20.6		24.7	D	22.6		26				4.35		29.7				6.18				36.3				35.3		40.1		19.7		30.1	
Zinc	10000	10000	NS	mg/kg	10000		102	D	88.2		74.2				803		2510				1370				804				890		122		1260		68	

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

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Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	37 N	38 N	38 N	38 N	38 N	40 N	40 N	40 N	40 N	40 N	41 N	41 N	41 N	41 N	42 N	42 N	42 N
					Start Depth:	2	1	1	2	2	1	1	2	2	2	1	1	7	7	1	1	1
					End Depth:	3	2	2	3	3	2	2	3	3	3	2	2	8	8	2	2	2
					Sample Code:	37 N 2-3 Y5133	38 N 1-2 Y5207	38 N 1-2 Y5207	38 N 2-3 Y5207	38 N 2-3 Y5207	40 N 1-2 Y5207	40 N 1-2 Y5207	40 N 2-3 Y5207	40 N 2-3 Y5207	40 N 2-3 Y5207	41 N 1-2 Y5207	41 N 1-2 Y5207	41 N 7-8 Y5207	41 N 7-8 Y5207	42 N 1-2 Y5133	42 N 1-2 Y5133	42 N 1-2 Y5133
					I=Initial, D1=Dilution:	I	D1	I	D1	I	I	Re1	D1	I	Re1	D1	I	D1	I	D1	I	Re1
					Sample Date:	11/06/2007	11/07/2007	11/07/2007	11/07/2007	11/07/2007	11/07/2007	11/07/2007	11/07/2007	11/07/2007	11/07/2007	11/06/2007	11/06/2007	11/06/2007	11/06/2007	11/06/2007	11/06/2007	11/06/2007
					N=Normal, FD=Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organics																						
1,1,1-Trichloroethane	100	500	0.8	mg/kg																		
1,1-Dichloroethane	26	240	NS	mg/kg																		
2-Butanone	100	500	NS	mg/kg																		
4-Methyl-2-pentanone	NS	NS	1	mg/kg																		
Acetone	100	500	NS	mg/kg															0.69		0.085 J	
Benzene	4.8	44	NS	mg/kg												1.2 D	1.3 E	0.42 JD	0.61 E			
Carbon Disulfide	NS	NS	NS	mg/kg																		
cis-1,2-Dichloroethene	100	500	NS	mg/kg																		
Cyclohexane	NS	NS	NS	mg/kg																		
Dichlorodifluoromethane	NS	NS	NS	mg/kg	0.42																0.22	
Ethylbenzene	41	390	NS	mg/kg																		
m,p-Xylenes	NS	NS	NS	mg/kg																		
Methyl Acetate	NS	NS	NS	mg/kg																		
Methyl Cyclohexane	NS	NS	NS	mg/kg																		
Methylene Chloride	100	500	0.1	mg/kg																	0.019 J	
o-Xylene	NS	NS	NS	mg/kg																		
Tetrachloroethene	19	150	1.4	mg/kg																		
Toluene	100	500	1.5	mg/kg																		
Trichloroethene	21	200	0.7	mg/kg																		
Semivolatile Organics																						
2,4-Dimethylphenol	NS	NS	NS	mg/kg																		
2-Methylnaphthalene	NS	NS	36.4	mg/kg																		
2-Methylphenol	100	500	0.1	mg/kg																		
4-Methylphenol	100	500	0.9	mg/kg																		
Acenaphthene	100	500	50	mg/kg																		
Acenaphthylene	100	500	41	mg/kg																		
Acetophenone	NS	NS	NS	mg/kg																		
Anthracene	100	500	50	mg/kg																		
Benzo[a]anthracene	1	5.6	0.224	mg/kg							0.073 J											
Benzo[a]pyrene	1	1	0.061	mg/kg																		
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg							0.072 J											
Benzo[g,h,i]perylene	100	500	50	mg/kg																		
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg																		
Biphenyl	NS	NS	NS	mg/kg																		
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																		
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg																		
Butylbenzyl Phthalate	NS	NS	50	mg/kg																		
Carbazole	NS	NS	NS	mg/kg													0.079 J					
Chrysene	3.9	56	0.4	mg/kg																		
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																		
Dibenzofuran	59	350	6.2	mg/kg																		
Dimethyl Phthalate	NS	NS	2	mg/kg																		
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg																		
Fluoranthene	100	500	50	mg/kg							0.18 J											
Fluorene	100	500	50	mg/kg																		
Formaldehyde	NS	NS	NS	mg/kg							4.6			2.64								
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg																		
Naphthalene	100	500	13	mg/kg																		
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																		
Phenanthrene	100	500	50	mg/kg							0.13 J											
Phenol	100	500	0.03	mg/kg													0.82		0.72			
Pyrene	100	500	50	mg/kg							0.14 J											
Pesticides																						
4,4-DDD	13	92	2.9	mg/kg																		
4,4-DDE	8.9	62	2.1	mg/kg																		
4,4-DDT	7.9	47	2.1	mg/kg																		
Aldrin	0.097	0.68	0.041	mg/kg																		
Polychlorinated Biphenyls																						
Aroclor 1248	NS	NS	NS	mg/kg																		
Aroclor 1254	NS	NS	NS	mg/kg																		
Total PCBs (Surface)	1	1	1	mg/kg				0			0		0				0					
Metals																						
Aluminum	NS	NS	NS	mg/kg	11200	13100 D	12300	4370 D	4110	16600		11300 D	10400				16600	8450 D	7870	9240 D	9050	
Antimony	NS	NS	NS	mg/kg	U	UD	U	UD	U	U		UD	U				U	UD	U	UD	U	
Arsenic	16	16	NS	mg/kg	2.41	UD	2.61	UD	0.837	2.41		UD	3				5.79	4.22 JD	3.44	UD	2.36	
Barium	400	400	NS	mg/kg	98.1	149 D	143	101 D	98.3	132		103 D	100				116	23.8 JD	28.5	81.9 D	81.6	
Beryllium	72	590	NS	mg/kg	0.533	1.86 JD	0.699	1.28 JD	0.283	0.896		1.71 JD	0.582				0.767	1.44 JD	0.388	1.58 JD	0.432	
Cadmium	4.3	9.3	NS	mg/kg	0.692 J	UD	0.347 J	UD	0.126 J	0.295 J		UD	0.226 J				0.904	UD	0.514 J	UD	0.507 J	
Calcium	NS	NS	NS	mg/kg	48902.97 OR	72500 D	51440.31 OR	77000 D	51853.79 OR	43000		62200 D	44157.07 OR				27400	81000 D	54291.6 OR	109000 D	71308.31 OR	
Chromium	110	400	NS	mg/kg	20.3	18.8 D	17.3	6.13 D	6.02	22.7		15.9 D	15.1				26.8	13.6 D	11.8	17.6 D	15.3	
Cobalt	NS	NS	NS	mg/kg	9.59	10.4 JD	10.1	3.56 JD	4.12	12.1		8.31 JD	8.66				14.1	8.34 JD	7.2	7.44 JD	6.32	
Copper	270	270	NS	mg/kg	22.4	12.6 D	14.3	15.8 D	17.1	21.4		15.7 D	17.2				27.6	18.2 D	17.8	36.6 D	37.3	
Cyanide	27	27	NS	mg/kg	U	U	U	U	U	U		U	U				U	U	U	U	U	
Iron	NS	NS	NS	mg/kg	20200	21800 D	18000	8620 D	7110	21500		19500 D	15900				28000	16700 D	13700	15900 D	13600	
Lead	400	1000	NS	mg/kg	11	9.31 D	11.1	10.7 D	11	10.8		8.33 D	8.65				12.8	9.45 D	9.65	17.9 D	18.5	
Magnesium	NS	NS	NS	mg/kg	16300	15900 D	13800	27000 D	23600	15900		17400 D	14900				16700	32500 D	27500	48500 D	42500	
Manganese	2000	10000	NS	mg/kg	566	628 D	520	491 D	403	516		591 D	480				433	593 D	480	381 D	326	
Mercury	0.81	2.8	NS	mg/kg	0.013		0.008 J		0.004 J	0.017			0.01 J				0.015		0.007 J		0.007 J	
Nickel	310	310	NS	mg/kg	21.4	22.2 D	21.1	5.99 JD	6.95	28.2		19.1 D	18.7				32.7	16.5 D	15.2	16 JD	15.1	
Potassium	NS	NS	NS	mg/kg	2290	3030 D	3920	1160 JD	1540	4860		2210 D	2910				3240	1550 D	1990	2230 D	2990	
Selenium	180	1500	NS	mg/kg	U	UD	U	UD	U	U		UD	U				U	UD	U	UD	U	
Silver	180	1500	NS	mg/kg	U	UD	U	UD	U	U		UD	U				U	UD	U	UD	U	
Sodium	NS	NS	NS	mg/kg	292	UD	356	272 JD	285	2950		813 JD	1170				2270	836 D	956	2040 D	2270	
Thallium	NS	NS	NS	mg/kg	U	UD	U	UD	U	U		UD	U				U	UD	U	UD	U	
Vanadium	NS	NS	NS	mg/kg	23.2	23.4 D	21.8	11.1 JD	10.8	29.8		24.9 D	23.7				31.9	19.4 D	16.9	18.9 D	17	
Zinc	10000	10000	NS	mg/kg	73.2	78.7 D	70.8	84.4 D	74	73.7		72.6 D	62.6				89.2	120 D	106	90.1 D	84.3	

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

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Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	50 F	50 N	51 F	51 N	51 N	52 N	52 N	52 N	52 N	52.1 F	52.1 F	52.1 F	52.1 F	52.1 F	53 F	53 F	53 F
					Start Depth:	0	2	3	13	13	5	5	13	13	1	1	19	19	19	0	0	0
					End Depth:	2	4	5	16	16	7	7	15	15	3	3	21	21	21	4	4	4
					Sample Code:	50 F 0-2 Y5021	50 N 2-4 Y5021	51 F 3-5 Y5207	51 N 13-16 Y5207	51 N 13-16 Y5207	52 N 5-7 Y5207	52 N 5-7 Y5207	52 N 13-15 Y5207	52 N 13-15 Y5207	52.1 F 1-3 Y5280	52.1 F 1-3 Y5280	52.1 F 19-21 Y5280	52.1 F 19-21 Y5280	52.1 F 19-21 Y5280	53 F 0.2(VOC) 2-4 (REST) Y5	53 F 0.2(VOC) 2-4 (REST) Y5	53 F 0.2(VOC) 2-4 (REST) Y5
					I=Initial, D1=Dilution:	I	I	I	D1	I	D1	I	D1	D1	D1	I	D1	I	Re1	D1	D2	D3
					Sample Date:	10/23/2007	10/23/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/14/2007	11/14/2007	11/14/2007	11/14/2007	11/14/2007	11/14/2007	10/23/2007	10/23/2007	10/23/2007
					N=Normal, FD=Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organics																						
1,1,1-Trichloroethane	100	500	0.8	mg/kg																		
1,1-Dichloroethane	26	240	NS	mg/kg																		
2-Butanone	100	500	NS	mg/kg																		
4-Methyl-2-pentanone	NS	NS	1	mg/kg																		
Acetone	100	500	NS	mg/kg														11.000001 E	1.4 JD			
Benzene	4.8	44	NS	mg/kg			0.18			0.037		**9.8**	**25** D	**16** E		0.021 J	**26** D	5 E	**25** ED			
Carbon Disulfide	NS	NS	NS	mg/kg																		
cis-1,2-Dichloroethene	100	500	NS	mg/kg																		
Cyclohexane	NS	NS	NS	mg/kg								0.18 J						0.66 E				
Dichlorodifluoromethane	NS	NS	NS	mg/kg																		
Ethylbenzene	41	390	NS	mg/kg																		
m,p-Xylenes	NS	NS	NS	mg/kg														0.023 J				
Methyl Acetate	NS	NS	NS	mg/kg																		
Methyl Cyclohexane	NS	NS	NS	mg/kg								0.41 J										
Methylene Chloride	100	500	0.1	mg/kg																		
o-Xylene	NS	NS	NS	mg/kg																		
Tetrachloroethene	19	150	1.4	mg/kg																		
Toluene	100	500	1.5	mg/kg			0.015 J						0.73 JD	0.49 J				0.21	0.41 JD			
Trichloroethene	21	200	0.7	mg/kg																		
Semivolatile Organics																						
2,4-Dimethylphenol	NS	NS	NS	mg/kg												0.21 J				22.000001 ED	23.000001 D	21.000001 JD
2-Methylnaphthalene	NS	NS	36.4	mg/kg																0.52 JD		
2-Methylphenol	100	500	0.1	mg/kg											0.41 JD	0.45				1.5 JD		
4-Methylphenol	100	500	0.9	mg/kg											0.61 JD	0.67				4.2 D	3.3 JD	
Acenaphthene	100	500	50	mg/kg																0.45 JD		
Acenaphthylene	100	500	41	mg/kg																		
Acetophenone	NS	NS	NS	mg/kg																		
Anthracene	100	500	50	mg/kg																1.3 JD		
Benzo[a]anthracene	1	5.6	0.224	mg/kg																**3.2** D	**2.9** JD	
Benzo[a]pyrene	1	1	0.061	mg/kg																**3.2** D	**2.5** JD	
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg			0.053 J													**4.1** D	**3.4** JD	
Benzo[g,h,i]perylene	100	500	50	mg/kg																2.1 JD		
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg																1.2 JD		
Biphenyl	NS	NS	NS	mg/kg																		
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																		
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg			0.44									0.37		0.13 J				
Butylbenzyl Phthalate	NS	NS	50	mg/kg																		
Carbazole	NS	NS	NS	mg/kg																0.5 JD		
Chrysene	3.9	56	0.4	mg/kg			0.066 J													3 D	2.9 JD	
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																0.31 JD		
Dibenzofuran	59	350	6.2	mg/kg																0.47 JD		
Dimethyl Phthalate	NS	NS	2	mg/kg																		
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg			0.2 J					0.48			9.6 D	7.1 E				140.00001 ED	280.00001 ED	280.00001 D
Fluoranthene	100	500	50	mg/kg			0.076 J													6.4 D	5.9 JD	
Fluorene	100	500	50	mg/kg																0.48 JD		
Formaldehyde	NS	NS	NS	mg/kg								4.07		1.27								
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg																**2.1** JD	**1.4** JD	
Naphthalene	100	500	13	mg/kg								0.091 J								2.3 D	2.2 JD	
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																		
Phenanthrene	100	500	50	mg/kg			0.088 J													4.8 D	4.6 JD	
Phenol	100	500	0.03	mg/kg										0.1 J	6.5 D	5.6 E				1.3 JD		
Pyrene	100	500	50	mg/kg			0.1 J													5 D	5.2 JD	
Pesticides																						
4,4-DDD	13	92	2.9	mg/kg																		
4,4-DDE	8.9	62	2.1	mg/kg																		
4,4-DDT	7.9	47	2.1	mg/kg																		
Aldrin	0.097	0.68	0.041	mg/kg																		
Polychlorinated Biphenyls																						
Aroclor 1248	NS	NS	NS	mg/kg		U		U		U			U			U			U			
Aroclor 1254	NS	NS	NS	mg/kg		U		U		U			U			U			U			
Total PCBs (Surface)	1	1	1	mg/kg	0		0		0		0		0		0		0					
Metals																						
Aluminum	NS	NS	NS	mg/kg	2430		2130		2870		11100 D		10300		11800 D		11100		4900 D	4570			4720		8060 D	7490				
Antimony	NS	NS	NS	mg/kg	1.9	UN	1.8	UN	0.872 J		UD		U		UD		U		UD	U			U		UD	U				
Arsenic	16	16	NS	mg/kg	1.4		1.1		6.48		UD		1.96		**21.9** D		**17.8**		UD	1.7			2.97		UD	0.988				
Barium	400	400	NS	mg/kg	14.7		35.3		37.1		127 D		122		93.8 D		94.9		159 D	147			29.2		87.6 D	84.4				
Beryllium	72	590	NS	mg/kg	0.12	J	0.1	J	0.241		1.11 JD		0.533		1.68 JD		0.938		0.742 JD	0.248			0.212 J		0.781 JD	0.315				
Cadmium	4.3	9.3	NS	mg/kg		U		U	**7.38**		UD		0.528 J		0.98 JD		3.01			UD	0.391 J			U		UD	U			
Calcium	NS	NS	NS	mg/kg	37900		34000		4610		61400 D		44661.93 OR		25200 D		20200		75600 D	50993 OR			1580		69100 D	42130.38 OR				
Chromium	110	400	NS	mg/kg	4.6		3.4		104		18.5 D		16.1		51.1 D		44		8.96 D	7.9			18.4		12.4 D	10.8				
Cobalt	NS	NS	NS	mg/kg	2.3		1.8		4.55		10.9 JD		9.55		14.6 D		13.3		6.05 JD	5.29			2.49		5.5 JD	5.61				
Copper	270	270	NS	mg/kg	9.2		10.1		124		18.6 D		18.5		144 D		140		21.6 D	21			36.3		22.2 D	20.6				
Cyanide	27	27	NS	mg/kg		U		U	0.588					U			6.93				U			U						
Iron	NS	NS	NS	mg/kg	6360		5590		35600		23400 D		19200		54600 D		45400		12100 D	9720			18600		15800 D	12900				
Lead	400	1000	NS	mg/kg	13.3		11.6		**410**		9.81 D		9.46		115 D		99.8		11.6 D	11.3			15.9		10.5 D	10.2				
Magnesium	NS	NS	NS	mg/kg	16800		11400		751		17200 D		14900		4350 D		3660		25300 D	21800			308		21600 D	19000				
Manganese	2000	10000	NS	mg/kg	260		256		1020		626 D		516		539 D		450		610 D	490			874		601 D	493				
Mercury	0.81	2.8	NS	mg/kg	0.004	J	0.007	J	0.142				0.029				0.034			0.006	J		0.007	J		0.006	J			
Nickel	310	310	NS	mg/kg	5.2		4.6		37.7		22.6 D		21		24.9 D		23.9		9.37 JD	9.29			14.3		13.9 JD	12.6				
Potassium	NS	NS	NS	mg/kg	810		653		534 N		1820 ND		2360 N		1060 JND		1360 N		935 JND	1230 N			679		1580 D	2080				
Selenium	180	1500	NS	mg/kg	0.35	JN	0.46	JN		U	UD		U		UD		U		UD	U				U	UD	U				
Silver	180	1500	NS	mg/kg	0.38	UN	0.37	UN	2.23		UD		U		UD		U		UD	U				U	UD	U				
Sodium	NS	NS	NS	mg/kg	136	N	131	N	648		UD		313		1080 D		1060		UD	312			150		323 JD	268				
Thallium	NS	NS	NS	mg/kg		U		U		U	UD		U		UD		U		UD	U				U	UD	U				
Vanadium	NS	NS	NS	mg/kg	5.7		5.3		9.88		25.1 D		22.4		23.1 D		20.6		13.5 JD	12			9.26		18.2 D	16.7				
Zinc	10000	10000	NS	mg/kg	43.6		38.1		1510		73.5 D		65.2		6610 D		5070 OR		87.8 D	71			58.7		106 D	84				

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	53 F	53 N	54 F	54 F	54 F	54 F	54 F	54 F	54 N	54 N	54 N	54 N	55 F	55 N	55 N	55 N	56 N
					Start Depth:	0	4	3	3	3	9	9	9	11	11	11	11	0	4	4	4	1
					End Depth:	4	6	5	5	5	11	11	11	15	15	15	15	2	6	6	6	2
					Sample Code:	0.2(VOC) 2-4 (REST) Y5	53 N 4-6 Y5021	54 F 3-5 Y5207	54 F 3-5 Y5207	54 F 3-5 Y5207	54 F 9-11 Y5207	54 F 9-11 Y5207	54 F 9-11 Y5207	54 N 11-15 Y5207	54 N 11-15 Y5207	54 N 11-15-DUP Y5207	54 N 11-15-DUP Y5207	55 F (0-2) Y5010	55 N (4-6) Y5010	55 N (4-6) Y5010	55 N (4-6) Y5010	TP56 1-2 N Y5360
					I=Initial, D1=Dilution:	I	I	D1	I	Re1	D1	I	Re1	D1	I	D1	I	I	D1	I	Re1	D1
					Sample Date:	10/23/2007	10/23/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	11/09/2007	10/22/2007	10/22/2007	10/22/2007	10/22/2007	11/15/2007
					N=Normal, FD=Field Duplicate:	N	N	N	N	N	N	N	N	N	N	FD	FD	N	N	N	N	N
Volatile Organics																						
1,1,1-Trichloroethane	100	500	0.8	mg/kg																		
1,1-Dichloroethane	26	240	NS	mg/kg																		
2-Butanone	100	500	NS	mg/kg															0.046 J			
4-Methyl-2-pentanone	NS	NS	1	mg/kg																		
Acetone	100	500	NS	mg/kg							0.16	0.18							0.21			
Benzene	4.8	44	NS	mg/kg			0.13	0.16			0.051	0.04		0.029 J		0.024 J			0.012 J			
Carbon Disulfide	NS	NS	NS	mg/kg																		
cis-1,2-Dichloroethene	100	500	NS	mg/kg																		
Cyclohexane	NS	NS	NS	mg/kg																		
Dichlorodifluoromethane	NS	NS	NS	mg/kg																		
Ethylbenzene	41	390	NS	mg/kg															0.0069 J			
m,p-Xylenes	NS	NS	NS	mg/kg															0.036 J			
Methyl Acetate	NS	NS	NS	mg/kg																		
Methyl Cyclohexane	NS	NS	NS	mg/kg							0.021 J	0.025 J										
Methylene Chloride	100	500	0.1	mg/kg																		
o-Xylene	NS	NS	NS	mg/kg															0.011 J			
Tetrachloroethene	19	150	1.4	mg/kg																		
Toluene	100	500	1.5	mg/kg															0.011 J			
Trichloroethene	21	200	0.7	mg/kg																		
Semivolatile Organics																						
2,4-Dimethylphenol	NS	NS	NS	mg/kg	17.000001 E	1.9												0.85	0.074 J			0.67 JD
2-Methylnaphthalene	NS	NS	36.4	mg/kg	0.52																	
2-Methylphenol	100	500	0.1	mg/kg	1.4													0.17 J				
4-Methylphenol	100	500	0.9	mg/kg	3.8 E	0.22 J												0.48				10 D
Acenaphthene	100	500	50	mg/kg	0.42 J																	
Acenaphthylene	100	500	41	mg/kg	0.1 J																	
Acetophenone	NS	NS	NS	mg/kg																		
Anthracene	100	500	50	mg/kg	1.2			0.76 J														
Benzo[a]anthracene	1	5.6	0.224	mg/kg	**2.9** E	0.067 J		**1.6** J			0.09 J							0.13 J				
Benzo[a]pyrene	1	1	0.061	mg/kg	**2.9** E			**1.2** J			0.13 J							0.11 J				
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg	**3.7** E	0.069 J		**1.5** J			0.14 J							0.15 J				
Benzo[g,h,i]perylene	100	500	50	mg/kg	1.9			0.75 J			0.092 J											
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg	1.2			0.62 J														
Biphenyl	NS	NS	NS	mg/kg	0.12 J																	
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																		
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg	0.13 J											0.45		0.17 JB				
Butylbenzyl Phthalate	NS	NS	50	mg/kg																		
Carbazole	NS	NS	NS	mg/kg	0.45			0.46 J														
Chrysene	3.9	56	0.4	mg/kg	2.9 E			1.5 J			0.1 J							0.12 J				
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg	0.18 J																	
Dibenzofuran	59	350	6.2	mg/kg	0.46																	
Dimethyl Phthalate	NS	NS	2	mg/kg																		
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg	70.000003 E	0.46					0.24 J			0.065 J				1.5				41.000002 ED
Fluoranthene	100	500	50	mg/kg	6 E	0.14 J		3.3			0.14 J							0.24 J				0.69 JD
Fluorene	100	500	50	mg/kg	0.45			0.37 J														
Formaldehyde	NS	NS	NS	mg/kg	1.91	2.06												0.739				
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg	**2**			**0.84** J			0.092 J							0.069 J				
Naphthalene	100	500	13	mg/kg	2.1			0.42 J														
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg	0.072 J																	
Phenanthrene	100	500	50	mg/kg	4.2 E	0.098 J		3			0.094 J							0.2 J				
Phenol	100	500	0.03	mg/kg	1.3	0.12 J												0.88	0.12 J			
Pyrene	100	500	50	mg/kg	4.5 E	0.11 J		2.9			0.15 J							0.2 J				
Pesticides																						
4,4-DDD	13	92	2.9	mg/kg																		
4,4-DDE	8.9	62	2.1	mg/kg																		
4,4-DDT	7.9	47	2.1	mg/kg																		
Aldrin	0.097	0.68	0.041	mg/kg																		
Polychlorinated Biphenyls																						
Aroclor 1248	NS	NS	NS	mg/kg	U	U		U			U			U		U		U	U			
Aroclor 1254	NS	NS	NS	mg/kg	U	U		U			U			U		U		U	U			
Total PCBs (Surface)	1	1	1	mg/kg	0	0		0			0			0		0		0	0			
Metals																						
Aluminum	NS	NS	NS	mg/kg	7590	7230	18000 D	16600			4460 D	4160		12500 D	11400	15300 D	13900	4660	11000 D	10200		
Antimony	NS	NS	NS	mg/kg	2.2 UN	2.1 UN	UD	U			UD	U		UD	U	UD	U	U	UD	U		
Arsenic	16	16	NS	mg/kg	3.1	8.8	3.25 JD	1.92			2.24 JD	1.67		3.51 JD	2.25	3.03 JD	2.5	4.87	4.76 JD	2.01		
Barium	400	400	NS	mg/kg	90	70.6	171 D	158			27.9 JD	34.4		184 D	166	338 D	298	40.8	88 D	84		
Beryllium	72	590	NS	mg/kg	0.46	0.42	5.05 D	3.67			1.01 JD	0.386		1.14 JD	0.567	1.31 JD	0.669	0.227 J	0.549 JD	0.48		
Cadmium	4.3	9.3	NS	mg/kg	U	U	UD	0.427 J			UD	U		UD	0.685 J	UD	0.681 J	U	UD	U		
Calcium	NS	NS	NS	mg/kg	8350	23400	150000 D	86591.49 OR			77800 D	54535.59 OR		60000 D	42434.24 OR	58200 D	41210.6 OR	15900	61500 D	37005.49 OR		
Chromium	110	400	NS	mg/kg	12.7	12.6	6.45 D	5.83			9.6 D	8.48		21.4 D	17.9	24.6 D	20.8	15.2	17.9 D	15.5		
Cobalt	NS	NS	NS	mg/kg	5.7	6.5	1.94 JD	2.1			UD	1.77		10.5 JD	9.89	11.6 JD	10.7	4.18	10.3 JD	8.85		
Copper	270	270	NS	mg/kg	22.9	11.1	17 D	16.9			8.52 D	8.78		28 D	27.2	22.2 D	21.7	85	33.6 D	30.8		
Cyanide	27	27	NS	mg/kg	U	U		11				0.917			U		U	U		U		
Iron	NS	NS	NS	mg/kg	15700	18100	12300 D	9750			5940 D	4900		26100 D	20900	28600 D	22700	22300	20100 D	16800		
Lead	400	1000	NS	mg/kg	56.4	27.5	52.4 D	45.5			15.3 D	15.1		26.7 D	22.8	11.7 D	9.29	79.8	9.05 D	9.49		
Magnesium	NS	NS	NS	mg/kg	3450	6960	42000 D	35500			22700 D	19900		17600 D	14900	17500 D	14800	2020	15400 D	13500		
Manganese	2000	10000	NS	mg/kg	334	269	800 D	639			263 D	219		619 D	493	573 D	455	342	674 D	567		
Mercury	0.81	2.8	NS	mg/kg	0.038	0.014		0.005 J				0.01 J			0.011 J		0.011 J	0.025		0.009 J		
Nickel	310	310	NS	mg/kg	12.9	15.9	3.62 JD	3.95			3.38 JD	5.07		26 D	22.5	29 D	25.8	19.7	23 D	19.1		
Potassium	NS	NS	NS	mg/kg	1090	1420	1480 JND	2170 N			474 JND	671 N		2010 ND	2570 N	2530 ND	3230 N	939	1840 D	2340		
Selenium	180	1500	NS	mg/kg	1.4 N	1.2 N	UD	U			UD	U		UD	U	UD	U	U	UD	U		
Silver	180	1500	NS	mg/kg	0.44 UN	0.42 UN	UD	U			UD	U		UD	U	UD	U	U	UD	U		
Sodium	NS	NS	NS	mg/kg	125 N	133 N	15000 D	18600			832 JD	902		388 JD	460	UD	391	219	UD	201		
Thallium	NS	NS	NS	mg/kg	U	U	UD	U			UD	U		UD	U	UD	U	U	UD	U		
Vanadium	NS	NS	NS	mg/kg	18.5	20.2	5.99 JD	6.19			4.89 JD	5.02		27.3 D	23.9	31.6 D	27.7	8.15	23.9 D	21.2		
Zinc	10000	10000	NS	mg/kg	150	36.1	60 D	53.3			52.8 D	48.2		138 D	115	82.7 D	69	134	120 D	103		

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	56 N	56 N	56 N	57 F	57 F	57 N	57 N	57 N	57 N	57 N	57 N	58 F	58 F	58 F	58 F	58 F	58 F
					Start Depth:	1	1	2	2	2	4	4	9	9	18	20	0	0	0	4	4	4
					End Depth:	2	2	3	4	4	6	6	11	11	20	2	2	2	2	6	6	6
					Sample Code:	TP56 1-2 N Y5360	TP56 1-2 N Y5360	TP56 2-3 N Y5360	57 F 2-4 Y5070	57 F 2-4 Y5070	57 N 4-6 Y5070	57 N 4-6 Y5070	57 N 9-11 Y5070	57 N 9-11 Y5070	57 N 18-20 Y5070	58 F 0-2 Y5070	58 F 0-2 Y5070	58 F 0-2 Y5070	58 F 0-2 Y5070	58 F 4-6 Y5070	58 F 4-6 Y5070	58 F 4-6 Y5070
					I=Initial, D1=Dilution:	D2	I	I	I	Re1	D1	I	I	Re1	I	D1	I	I	Re1	D1	I	Re1
					Sample Date:	11/15/2007	11/15/2007	11/15/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007	10/26/2007
					N=Normal, FD=Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organics																						
1,1,1-Trichloroethane	100	500	0.8	mg/kg																		
1,1-Dichloroethane	26	240	NS	mg/kg																		
2-Butanone	100	500	NS	mg/kg														0.028 J				
4-Methyl-2-pentanone	NS	NS	1	mg/kg																		
Acetone	100	500	NS	mg/kg		0.13 J					0.31 J	0.28 J						0.16 J	0.15 J		0.19	0.25
Benzene	4.8	44	NS	mg/kg														0.028 UR				
Carbon Disulfide	NS	NS	NS	mg/kg																		
cis-1,2-Dichloroethene	100	500	NS	mg/kg																		
Cyclohexane	NS	NS	NS	mg/kg																		
Dichlorodifluoromethane	NS	NS	NS	mg/kg																		
Ethylbenzene	41	390	NS	mg/kg																		
m,p-Xylenes	NS	NS	NS	mg/kg															0.021 J		0.028 J	0.03 J
Methyl Acetate	NS	NS	NS	mg/kg																		
Methyl Cyclohexane	NS	NS	NS	mg/kg																		
Methylene Chloride	100	500	0.1	mg/kg		0.015 J															0.018 J	
o-Xylene	NS	NS	NS	mg/kg															0.021 J		0.021 J	0.025 J
Tetrachloroethene	19	150	1.4	mg/kg																		
Toluene	100	500	1.5	mg/kg																	0.017 J	0.015 J
Trichloroethene	21	200	0.7	mg/kg														0.028 UR				
Semivolatile Organics																						
2,4-Dimethylphenol	NS	NS	NS	mg/kg		0.74															0.21 J	
2-Methylnaphthalene	NS	NS	36.4	mg/kg														0.9 J			0.1 J	
2-Methylphenol	100	500	0.1	mg/kg		0.25 J														0.4 JD	0.39 J	
4-Methylphenol	100	500	0.9	mg/kg	10 JD	8.8 E	0.27 J											0.88 J		0.92 JD	0.95	
Acenaphthene	100	500	50	mg/kg														3.9			0.088 J	
Acenaphthylene	100	500	41	mg/kg																		
Acetophenone	NS	NS	NS	mg/kg																		
Anthracene	100	500	50	mg/kg		0.14 J											11.000001 JD	11.000001			0.063 J	
Benzo[a]anthracene	1	5.6	0.224	mg/kg		0.3 J											**18.000001** JD	**17.000001**			0.24 J	
Benzo[a]pyrene	1	1	0.061	mg/kg		0.23 J											**14.000001** JD	**14.000001**		0.36 JD	0.37 J	
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg		0.32 J		0.061 J									**17.000001** JD	**18.000001**		0.42 JD	0.42	
Benzo[g,h,i]perylene	100	500	50	mg/kg		0.17 J											8.1 JD	7.7			0.31 J	
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg		0.1 J												**6.1**			0.13 J	
Biphenyl	NS	NS	NS	mg/kg																		
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg														2.9 J				
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg		0.51												2 J		1.5 JD	1.6	
Butylbenzyl Phthalate	NS	NS	50	mg/kg		0.41 J											34.000002 JD	32.000002 E			0.3 J	
Carbazole	NS	NS	NS	mg/kg		0.069 J												5.3				
Chrysene	3.9	56	0.4	mg/kg		0.28 J											**16.000001** JD	**15.000001**			0.23 J	
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg														0.94 J				
Dibenzofuran	59	350	6.2	mg/kg														3 J				
Dimethyl Phthalate	NS	NS	2	mg/kg																		
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg	50.000002 D	22.000001 E	1.9										210.00001 D	120.000006 E		2.5 D	2.7 E	
Fluoranthene	100	500	50	mg/kg		0.66		0.095 J									47.000002 D	44.000002 E		0.35 JD	0.35 J	
Fluorene	100	500	50	mg/kg		0.072 J												4.9				
Formaldehyde	NS	NS	NS	mg/kg																		
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg		0.18 J											**7.9** JD	**7.8**		0.29 JD	0.27 J	
Naphthalene	100	500	13	mg/kg		0.095 J												3.8			0.16 J	
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																		
Phenanthrene	100	500	50	mg/kg		0.54		0.081 J									42.000002 D	39.000002 E			0.27 J	
Phenol	100	500	0.03	mg/kg		0.49												2.7 J		3.8 D	4.1 E	
Pyrene	100	500	50	mg/kg		0.51		0.078 J									37.000002 JD	32.000002 E			0.34 J	
Pesticides																						
4,4-DDD	13	92	2.9	mg/kg																		
4,4-DDE	8.9	62	2.1	mg/kg																		
4,4-DDT	7.9	47	2.1	mg/kg																		
Aldrin	0.097	0.68	0.041	mg/kg																		
Polychlorinated Biphenyls																						
Aroclor 1248	NS	NS	NS	mg/kg		U	U	U			U	U	U	U	U	2.2	2.9 E				U	
Aroclor 1254	NS	NS	NS	mg/kg		U	U	U			U	U	U	U	U	UD	U				U	
Total PCBs (Surface)	1	1	1	mg/kg		0	0	0			0	0	0	0	0	**4.48**	**2.9**				0	
Metals																						
Aluminum	NS	NS	NS	mg/kg		15500	15600	3140			1840 D	1880		4640		2330	5010 D	5120		7980 D	8240	
Antimony	NS	NS	NS	mg/kg		U	U	1.8 UNR			20.299999 UNDR	2 UNR		2.1 UNR		1.9 UNR	18.799999 UNDR	1.4 JN		20 UNDR	1.3 JN	
Arsenic	16	16	NS	mg/kg		7.45	2.06	U			UD	0.39 J		0.73 J		U	7.5 UJD	3.4 J		8 UJD	U	
Barium	400	400	NS	mg/kg		112	108	80.9			UD	8.1		55.2		5.5	54.6 D	66.7		115 D	125	
Beryllium	72	590	NS	mg/kg		0.91	0.858	0.47 J			1.7 JD	0.22 J		0.34 J		0.21 J	1.4 JD	0.27 J		1.7 JD	0.52 J	
Cadmium	4.3	9.3	NS	mg/kg		0.823 J	0.23 J	0.7 J			**9.3** JD	**13.4** J		0.24 J		U	0.58 JD	3.4 J		4 UJD	0.79 J	
Calcium	NS	NS	NS	mg/kg		30000	37200	34000 J			2000 JD	2080 J		14300 J		5630 J	51400 JD	42200 J		17300 JD	15900 J	
Chromium	110	400	NS	mg/kg		21.5	21	**216** N			2.8 JND	4.8 N		14.1 N		3.6 N	20.3 ND	20.2 N		17.9 ND	18.7 N	
Cobalt	NS	NS	NS	mg/kg		12.4	9.32	0.39 J			12.2 UNJD	1.6 JN		3.7 JN		1.5 JN	1.5 JND	2.6 JN		2 JND	3.3 JN	
Copper	270	270	NS	mg/kg		38.4	19.7	14.1			8.3 D	10.4		6.7		2.7	41.7 D	48.4		239 D	**274**	
Cyanide	27	27	NS	mg/kg		U	U	3.12				11		U		U		U			0.69	
Iron	NS	NS	NS	mg/kg		24900	20700	17700 J			3720 JD	3910 J		9360 J		3920 J	29100 JD	25300 J		21600 JD	19500 J	
Lead	400	1000	NS	mg/kg		15	10.6	78.6 J			4.4 JD	10.3 J		14.6 J		6 J	111 JD	92.8 J		250 JD	222 J	
Magnesium	NS	NS	NS	mg/kg		6140	11900	6400 J			1370 JD	1470 J		4570 J		3810 J	16300 JD	15300 J		7980 JD	7820 J	
Manganese	2000	10000	NS	mg/kg		532	373	**3580** J			91.1 JD	102 J		408 J		56 J	309 JD	284 J		1650 JD	1450 J	
Mercury	0.81	2.8	NS	mg/kg		0.029	0.015	0.106 J				0.04		0.008 J		0.015 J		0.394 J			0.023 J	
Nickel	310	310	NS	mg/kg		24.3	23.4	2.6			UD	3.1		9.2		4.1	14.5 JD	13.4		11.5 JD	9.2	
Potassium	NS	NS	NS	mg/kg		1970	1940	510			UD	167		1450		575	1110 D	1250		734 JD	794	
Selenium	180	1500	NS	mg/kg		U	U	0.73 UNJ			8.1 UNJD	0.81 UNJ		0.83 UJN		0.76 UNJ	7.5 UNJD	0.75 UJN		8 UNJD	0.8 UJN	
Silver	180	1500	NS	mg/kg		U	U	0.37 UNR			4.1 UNDR	0.41 UNR		0.41 UNR		0.38 UNR	3.8 UNDR	0.38 UNR		4 UNDR	0.4 UNR	
Sodium	NS	NS	NS	mg/kg		411	307	47.6 JN			812 UNJD	294 JN		143 JN		50.6 JN	654 JND	902 JN		625 JND	800 JN	
Thallium	NS	NS	NS	mg/kg		U	U	U			UD	U		U		U	UD	U		UD	U	
Vanadium	NS	NS	NS	mg/kg		31.1	27.8	62.8 JN			16.200001 UNJD	5.1 JN		12.5 JN		3.3 JN	15 UNJD	12.2 JN		16 UNJD	4.2 JN	
Zinc	10000	10000	NS	mg/kg		109	81.9	157 J			5560 JD	5330 J		1610 J		35.8 J	4700 JD	4240 ORJ		**11100** JD	9010.459 ORJ	

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

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Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

					Sample ID:	61 N		62 F		62 F		62.1 N		62.1 N		62.2 F		62.2 N		62.3 F		62.3 F		63 F		63 F		63 N		65 F		65 F		65 N		65 N		66 F		66 F	
					Start Depth:	4		0		0		4		4		2		4		0		0		1		1		3		0		0		3		3		0		0	
					End Depth:	5		5.5		5.5		6		6		4		6		2		2		2		2		4		1		1		4		4		0.5		0.5	
					Sample Code:	TP61 4-5 N Y5377		62 F (0-5.5) Y5010		62 F (0-5.5) Y5010		62.1 N (4-6) Y5010		62.1 N (4-6) Y5010		62.2 F 2-4 Y5021		62.2 N 4-6 Y5021		F 0-2 (VOC) 2.4 (REST) Y		F 0-2 (VOC) 2.4 (REST) Y		TP63 1-2 F Y5377		TP63 1-2 F Y5377		TP63 3-4 N Y5377		65 F 0-1 Y5028		65 F 0-1 Y5028		65 N 3-4 Y5028		65 N 3-4 Y5028		66 F 0-0.5 Y5062		66 F 0-0.5 Y5062	
					I=Initial, D1=Dilution:	I		D1		I		D1		I		I		I		D1		I		D1		I		I		I		Re1		D1		I		D1		I	
					Sample Date:	11/16/2007		10/22/2007		10/22/2007		10/22/2007		10/22/2007		10/23/2007		10/23/2007		10/23/2007		10/23/2007		11/16/2007		11/16/2007		11/16/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/25/2007		10/25/2007	
					N=Normal, FD=Field Duplicate:	N		N		N		N		N		N		N		N		N		N		N		N		N		N		N		N		N		N	
Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organics																																								
1,1,1-Trichloroethane	100	500	0.8	mg/kg																																				
1,1-Dichloroethane	26	240	NS	mg/kg																																				
2-Butanone	100	500	NS	mg/kg																																				
4-Methyl-2-pentanone	NS	NS	1	mg/kg																																				
Acetone	100	500	NS	mg/kg																																				
Benzene	4.8	44	NS	mg/kg																																				
Carbon Disulfide	NS	NS	NS	mg/kg																																				
cis-1,2-Dichloroethene	100	500	NS	mg/kg																																				
Cyclohexane	NS	NS	NS	mg/kg																																				
Dichlorodifluoromethane	NS	NS	NS	mg/kg																																				
Ethylbenzene	41	390	NS	mg/kg																																				
m,p-Xylenes	NS	NS	NS	mg/kg																																				
Methyl Acetate	NS	NS	NS	mg/kg																																				
Methyl Cyclohexane	NS	NS	NS	mg/kg																																				
Methylene Chloride	100	500	0.1	mg/kg																											0.016	JB					0.021	JB		
o-Xylene	NS	NS	NS	mg/kg																																				
Tetrachloroethene	19	150	1.4	mg/kg																					0.036															
Toluene	100	500	1.5	mg/kg																																				
Trichloroethene	21	200	0.7	mg/kg																																				
Semivolatile Organics																																								
2,4-Dimethylphenol	NS	NS	NS	mg/kg																																			0.11	J
2-Methylnaphthalene	NS	NS	36.4	mg/kg																																			0.12	J
2-Methylphenol	100	500	0.1	mg/kg																																				
4-Methylphenol	100	500	0.9	mg/kg																																			0.14	J
Acenaphthene	100	500	50	mg/kg																																	0.53	JD	0.43	J
Acenaphthylene	100	500	41	mg/kg																																				
Acetophenone	NS	NS	NS	mg/kg																																				
Anthracene	100	500	50	mg/kg																																	0.78	JD	0.66	
Benzo[a]anthracene	1	5.6	0.224	mg/kg																																	**1.8**	JD	**1.5**	
Benzo[a]pyrene	1	1	0.061	mg/kg																																	**1.5**	JD	**1.4**	
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg																																	**1.9**	JD		
Benzo[g,h,i]perylene	100	500	50	mg/kg																																	0.87	JD	0.79	
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg																																	0.75	JD	0.58	
Biphenyl	NS	NS	NS	mg/kg																																				
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																																				
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg					0.23	JB			0.17	JB											0.44	J									0.077	JB			0.12	J
Butylbenzyl Phthalate	NS	NS	50	mg/kg																																				
Carbazole	NS	NS	NS	mg/kg																																	0.46	JD	0.41	J
Chrysene	3.9	56	0.4	mg/kg																																	1.7	JD	1.5	
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																																			0.072	J
Dibenzofuran	59	350	6.2	mg/kg																																			0.24	J
Dimethyl Phthalate	NS	NS	2	mg/kg																																				
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg					0.33	J			1.1		0.88										3.9		0.35	J									1.8	JD	1.6	
Fluoranthene	100	500	50	mg/kg	0.1	J																															4.6	D	3.9	E
Fluorene	100	500	50	mg/kg																																			0.32	J
Formaldehyde	NS	NS	NS	mg/kg	2.4																										0.76						0.67				
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg																																	**0.81**	JD	**0.79**	
Naphthalene	100	500	13	mg/kg																																			0.28	J
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																																				
Phenanthrene	100	500	50	mg/kg	0.094	J																															3.8	D	3.2	E
Phenol	100	500	0.03	mg/kg																																			0.14	J
Pyrene	100	500	50	mg/kg																																	3.8	D	3.3	E
Pesticides																																								
4,4-DDD	13	92	2.9	mg/kg																																				
4,4-DDE	8.9	62	2.1	mg/kg																																				
4,4-DDT	7.9	47	2.1	mg/kg																																				
Aldrin	0.097	0.68	0.041	mg/kg																																				
Polychlorinated Biphenyls																																								
Aroclor 1248	NS	NS	NS	mg/kg		U				U				U		U		U				U		UD		U		U				U						U	
Aroclor 1254	NS	NS	NS	mg/kg		U			0.16				0.24	P		U		U				U	0.89	P	0.65	EP	0.027	JP		U		U						U	
Total PCBs (Surface)	1	1	1	mg/kg	0				0.16				0.24		0		0					0	0.89		0.65		0.027		0		0				0				0	
Metals																																								
Aluminum	NS	NS	NS	mg/kg	12200		3790	D	3260		8020	D	7700		8670		3420		2220	D	2220		7270	D	7710		5100		10800				8100	D	7470				13700	
Antimony	NS	NS	NS	mg/kg	1.3	J		UD		U		UD		U	2	UN	2	UN	3.8	UND	1.9	UN		UD		U		U	1.1	JN			19	UND	1.9	UN				U
Arsenic	16	16	NS	mg/kg	15.5		2.65	JD	3.36		5.61	JD	3.14		2.2		0.82			UD	1.3		3.8	D	3.4			U	4					UD	2.2				8.13	
Barium	400	400	NS	mg/kg	87.4		18.4	JD	19.2		69.3	D	68.6		126		46.5		7.3	JD	10.1		71.6	D	74.4		44.5		112				38.5	D	54.8				167	
Beryllium	72	590	NS	mg/kg	0.91		0.179	JD	0.184	J	0.886	JD	0.788		0.48		0.2	J	0.06	JD	0.1	J	0.89	D	0.83		0.22	J	0.7	N			0.97	JND	0.49	N			1.64	
Cadmium	4.3	9.3	NS	mg/kg		U		UD		U		UD		U		U		U		UD		U		UD		U	0.46		0.15	J				UD	0.09	J			3.35	
Calcium	NS	NS	NS	mg/kg	43100		145000	D	74981.39	OR	105000	D	59601.94	OR	18500		23800		56900	D	53658.06	OR	83600	D	76335.3	OR	6630		36800				54600	D	41000	OR			6430	
Chromium	110	400	NS	mg/kg	15.6		24.1	D	19.5		12.4	D	11		12.1		6.1		2.9	D	3.2		7	D	7.2		0.78		15.6	N			11.6	ND	11.5	N			21.7	
Cobalt	NS	NS	NS	mg/kg	9.3		4.31	JD	3.64		6.08	JD	5.52		5.5		4.2		1.5	JD	1.8		4.3	D	4.3			U	10.4	N			5	JND	7.2	N			23.3	
Copper	270	270	NS	mg/kg	102		34.3	D	30.6		20.5	D	20		13.4		7.3		5.8	D	5.6		19.2	D	21		21.9		19.7	N			17.2	ND	16.4	N			95	
Cyanide	27	27	NS	mg/kg		U				U				U		U		U				U				U		U								U			U
Iron	NS	NS	NS	mg/kg	33200		26600	D	20600		13300	D	11300		16500		8270		4770	D	5160		11600	D	11700		6220		25400				19400	D	18000				27500	
Lead	400	1000	NS	mg/kg	52.1		7.62	D	7.34		8.24	D	9.16		23.6		13.8		9.7	D	10.9		28	D	27.4		23.9		39.7	N			29.7	ND	29.8	N			47.2	
Magnesium	NS	NS	NS	mg/kg	7620		50000	D	41600		50200	D	45400		5950		7500		24000	D	24400		41700	D	43200		1700		12300				17000	D	14000				4480	
Manganese	2000	10000	NS	mg/kg	402		481	D	376		445	D	382		195		300		189	D	197		518	D	522		153		370				492	D	411				1490	
Mercury	0.81	2.8	NS	mg/kg	0.041				0.05				0.014		0.015			U			0.016				0.044		0.028		0.02						0.022				0.037	
Nickel	310	310	NS	mg/kg	30.1		15.3	D	11.8		16.5	D	13.8		15.9		7.2		4.1	D	4		10.6	D	10.4		2.2		25.4	N			18.1	ND	17.9	N			37.1	
Potassium	NS	NS	NS	mg/kg	2060		1440	D	1820		1610	D	2140		1330		550		486	D	555		1360	D	1610		506		1980				1420	D	1790				1980	
Selenium	180	1500	NS	mg/kg	0.71	J		UD		U		UD		U	1.1	N	0.81	UN	1.5	UND	0.35	JN	1.2	JD	0.71	J	5.3		0.65	JN			7.6	UND	0.23	JN				U
Silver	180	1500	NS	mg/kg		U		UD		U		UD		U	0.41	UN	0.41	UN	0.76	UND	0.38	UN		UD		U		U	0.42	UN			3.8	UND	0.38	UN				U
Sodium	NS	NS	NS	mg/kg	645			UD	302		357	JD	400		69.1	JN	210	N	177	ND	151	N	506	D	636		288		247	N*			1450	N*D	451	N*			358	
Thallium	NS	NS	NS	mg/kg		U		UD		U		UD		U		U		U		UD		U		UD		U		U					UD		U				U
Vanadium	NS	NS	NS	mg/kg	27.2		8.45	JD	7.19		13.6	JD	12.2		18		9		2.2	JD	4		11.8	D	13.1		16.8		28.7	N			9.9	JND	20	N			28.4	
Zinc	10000	10000	NS	mg/kg	147		266	D	215		303	D	263		66		25.8		23.6	D	24.3		97	D	101		219		129				74	D	62.1				862	

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	66 N 6-8 Y5062		66 N 6-8 Y5062		66 N 6-8 Y5062		67 F 0-0.5 Y5062		67 F 0-0.5 Y5062		67 F 0-0.5 Y5062		67 F 0-0.5 Y5062		67 N 7-8 Y5062		67 N 7-8 Y5062		70 N 0-1 Y5062		70 N 0-1 Y5062		70 N 3-4 Y5062		74 F 0-2 Y5028		74 N 7-8 Y5028		74 N 7-8 Y5028		75 F 0-1 Y5028	
					Start Depth:	6		6		6		0		0		0		0		7		7		0		0		3		0		7		7		0	
					End Depth:	8		8		8		0.5		0.5		0.5		0.5		8		8		1		1		4		2		8		8		1	
					Sample Code:	66 N 6-8 Y5062		66 N 6-8 Y5062		66 N 6-8 Y5062		67 F 0-0.5 Y5062		67 F 0-0.5 Y5062		67 F 0-0.5 Y5062		67 F 0-0.5 Y5062		67 N 7-8 Y5062		67 N 7-8 Y5062		70 N 0-1 Y5062		70 N 0-1 Y5062		70 N 3-4 Y5062		74 F 0-2 Y5028		74 N 7-8 Y5028		74 N 7-8 Y5028		75 F 0-1 Y5028	
					I=Initial, D1=Dilution:	D1		I		Re1		D1		D2		I		Re1		D1		I		D1		I		I		I		D1		I		I	
					Sample Date:	10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007	
					N=Normal, FD=Field Duplicate:	N		N		N		N		N		N		N		N		N		N		N		N		N		N		N		N	
						Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organics																																					
1,1,1-Trichloroethane	100	500	0.8	mg/kg																																	
1,1-Dichloroethane	26	240	NS	mg/kg																																	
2-Butanone	100	500	NS	mg/kg																																	
4-Methyl-2-pentanone	NS	NS	1	mg/kg																																	
Acetone	100	500	NS	mg/kg																																	
Benzene	4.8	44	NS	mg/kg																																	
Carbon Disulfide	NS	NS	NS	mg/kg																																	
cis-1,2-Dichloroethene	100	500	NS	mg/kg																																	
Cyclohexane	NS	NS	NS	mg/kg																																	
Dichlorodifluoromethane	NS	NS	NS	mg/kg																																	
Ethylbenzene	41	390	NS	mg/kg																																	
m,p-Xylenes	NS	NS	NS	mg/kg																																	
Methyl Acetate	NS	NS	NS	mg/kg																																	
Methyl Cyclohexane	NS	NS	NS	mg/kg																																	
Methylene Chloride	100	500	0.1	mg/kg																0.028	J									0.012	JB			0.014	JB	0.012	JB
o-Xylene	NS	NS	NS	mg/kg																																	
Tetrachloroethene	19	150	1.4	mg/kg																																	
Toluene	100	500	1.5	mg/kg																																	
Trichloroethene	21	200	0.7	mg/kg																																	
Semivolatile Organics																																					
2,4-Dimethylphenol	NS	NS	NS	mg/kg								19.000001	D	17.000001	JD	15.000001	E																				
2-Methylnaphthalene	NS	NS	36.4	mg/kg												0.31	J																				
2-Methylphenol	100	500	0.1	mg/kg								1.2	JD			1																				
4-Methylphenol	100	500	0.9	mg/kg								8.1	D			6.6	E																				
Acenaphthene	100	500	50	mg/kg																																	
Acenaphthylene	100	500	41	mg/kg																																	
Acetophenone	NS	NS	NS	mg/kg												0.42	J																				
Anthracene	100	500	50	mg/kg																																	
Benzo[a]anthracene	1	5.6	0.224	mg/kg												0.15	J																				
Benzo[a]pyrene	1	1	0.061	mg/kg												0.14	J																				
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg												0.19	J																			0.055	J
Benzo[g,h,i]perylene	100	500	50	mg/kg																																	
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg																																	
Biphenyl	NS	NS	NS	mg/kg																																	
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																																	
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg								1.2	JD			0.98																					
Butylbenzyl Phthalate	NS	NS	50	mg/kg								4.2	JD			2.7																					
Carbazole	NS	NS	NS	mg/kg																																	
Chrysene	3.9	56	0.4	mg/kg												0.15	J																				
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																																	
Dibenzofuran	59	350	6.2	mg/kg																																	
Dimethyl Phthalate	NS	NS	2	mg/kg																																	
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg								230.00001	ED	230.00001	D	85.000004	E																				
Fluoranthene	100	500	50	mg/kg												0.3	J																			0.082	J
Fluorene	100	500	50	mg/kg																																	
Formaldehyde	NS	NS	NS	mg/kg																																	
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg												0.083	J																				
Naphthalene	100	500	13	mg/kg												0.4	J																				
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																																	
Phenanthrene	100	500	50	mg/kg												0.2	J																				
Phenol	100	500	0.03	mg/kg								3.6	JD			3																					
Pyrene	100	500	50	mg/kg												0.25	J																			0.08	J
Pesticides																																					
4,4-DDD	13	92	2.9	mg/kg																																	
4,4-DDE	8.9	62	2.1	mg/kg																																	
4,4-DDT	7.9	47	2.1	mg/kg																																	
Aldrin	0.097	0.68	0.041	mg/kg																																	
Polychlorinated Biphenyls																																					
Aroclor 1248	NS	NS	NS	mg/kg								1.7				1.3	E																				
Aroclor 1254	NS	NS	NS	mg/kg																																	
Total PCBs (Surface)	1	1	1	mg/kg		0		0				**1.7**				**1.3**				0																	
Metals																																					
Aluminum	NS	NS	NS	mg/kg	9190	D	8860									16800				10200	D	9900		18900	D	17500		16800		18400		14400	D	14400		14800	
Antimony	NS	NS	NS	mg/kg																										2.2	UN	20.5	UND	2.1	UN	2.2	UN
Arsenic	16	16	NS	mg/kg			1.9									5.67						1.39				2.95		1.58		1.5				2.6		4.4	
Barium	400	400	NS	mg/kg	94.8	D	97									143				88.6	D	91.3		156	D	151		120		141		107	D	113		164	
Beryllium	72	590	NS	mg/kg	0.802	JD	0.417									0.883				1.17	JD	0.452		1.3	JD	0.83		0.703		0.94	N	1.8	JND	0.6	N	0.54	N
Cadmium	4.3	9.3	NS	mg/kg	1.56	JD	1.65									3.58				2.17	JD	1.89		1.95	JD	2.67		2.03		0.15	J						
Calcium	NS	NS	NS	mg/kg	64500	D	45916.59	OR								46400				67900	D	48023.01	OR	57200	D			2390		5730		56000	D	45400	OR	3830	
Chromium	110	400	NS	mg/kg	15.5	D	13.9									42.1				17.2	D	14.2		29.8	D	25.8		22.3		22	N	20.3	ND	20.4	N	25.6	N
Cobalt	NS	NS	NS	mg/kg	9.49	JD	9.06									16.7				11.3	JD	9.07		16.3	D	14.2		13.7		4	N	15.8	ND	17.1	N	5.5	N
Copper	270	270	NS	mg/kg	19.4	D	20.1									85.6				22.2	D	22		28.2	D	28.6		12		101	N	23.3	ND	25.7	N	31.4	N
Cyanide	27	27	NS	mg/kg																																	
Iron	NS	NS	NS	mg/kg	18800	D	15800									27500				20400	D	16900		32300	D	26800		25900		16500		31600	D	27500		22400	
Lead	400	1000	NS	mg/kg	10.1	D	8.87									31.4				12.8	D	10.8		11.9	D	11.6		13.5		46.2	N	46.6	ND	42.1	N	242	N
Magnesium	NS	NS	NS	mg/kg	18700	D	15900									17800				20400	D	17300		15700	D	13200		4410		2780		17100	D	15700		3420	
Manganese	2000	10000	NS	mg/kg	602	D	494									1100				642	D	523		788	D	633		570		67.6		609	D	545		193	
Mercury	0.81	2.8	NS	mg/kg			0.01	J								0.037						0.006	J			0.016		0.035		0.062				0.021		0.057	
Nickel	310	310	NS	mg/kg	16.7	D	16.4									55.8				19.6	D	17		33.9	D	30.1		17.5		20.4	N	32.4	ND	28.2	N	15.6	N
Potassium	NS	NS	NS	mg/kg	1680	D	2430									3220				1980	D	2770		2010	D	2790		1460		1700		2930	D	3210		2220	
Selenium	180	1500	NS	mg/kg																										0.91	N	8.2	UND	0.82	UN	0.72	JN
Silver	180	1500	NS	mg/kg																										0.44	UN	4.1	UND	0.41	UN	0.43	UN
Sodium	NS	NS	NS	mg/kg			362									750				341	JD	457				321		213		621	N*	1370	N*D	608	N*	636	N*
Thallium	NS	NS	NS	mg/kg																																	
Vanadium	NS	NS	NS	mg/kg	20.7	D	19.3									32.9				23.9	D	21		37.1	D	33.8		33.1		22.7	N	20.3	ND	31.4	N	30.4	N
Zinc	10000	10000	NS	mg/kg	85.1	D	75.7									1570				101	D	87.7		81.4	D	72.6		73		287		67.2	D	72.1		193	

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	75 N	75 N	75 N	76 F	76 F	76 F	76 F	76 F	77 N	77 N	77 N	77 N	79 F	79 F	79 N	79 N	80 F
					Start Depth:	3	3	3	3	3	3	3	4	1	2	2	3	0	0	3	3	0
					End Depth:	10	10	10	4	4	4	4	4	2	2	2	3	1	1	4	4	2
					Sample Code:	75 N 3-10 DUP Y5028	75 N 3-10 DUP Y5028	75 N 3-10 Y5028	TP76 3-4F DUP Y5361	TP76 3-4F DUP Y5361	TP76 3-4F Y5361	TP76 3-4F Y5361	TP76 3-4F Y5361	TP77 1-2 N Y5360	TP77 1-2 N Y5360	TP77 2-3 N Y5361	TP77 2-3 N Y5361	79 F 0-1 Y5028	79 F 0-1 Y5028	79 N 3-4 Y5028	79 N 3-4 Y5028	80 F 0-2 Y5062
					I=Initial, D1=Dilution:	D1	I	I	D1	I	D1	I	Re1	D1	I	D1	I	I	Re1	I	Re1	I
					Sample Date:	10/24/2007	10/24/2007	10/24/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/15/2007	11/15/2007	11/15/2007	11/15/2007	10/24/2007	10/24/2007	10/24/2007	10/24/2007	10/25/2007
					N=Normal, FD=Field Duplicate:	FD	FD	N	FD	FD	N	N	N	N	N	N	N	N	N	N	N	N
						Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics																						
1,1,1-Trichloroethane	100	500	0.8	mg/kg																		
1,1-Dichloroethane	26	240	NS	mg/kg																		
2-Butanone	100	500	NS	mg/kg																		
4-Methyl-2-pentanone	NS	NS	1	mg/kg																		
Acetone	100	500	NS	mg/kg						0.21		0.21					0.087 J					
Benzene	4.8	44	NS	mg/kg																		
Carbon Disulfide	NS	NS	NS	mg/kg																		
cis-1,2-Dichloroethene	100	500	NS	mg/kg																		
Cyclohexane	NS	NS	NS	mg/kg																		
Dichlorodifluoromethane	NS	NS	NS	mg/kg																		
Ethylbenzene	41	390	NS	mg/kg																		
m,p-Xylenes	NS	NS	NS	mg/kg						0.015 J		0.019 J										
Methyl Acetate	NS	NS	NS	mg/kg																		
Methyl Cyclohexane	NS	NS	NS	mg/kg																		
Methylene Chloride	100	500	0.1	mg/kg																		
o-Xylene	NS	NS	NS	mg/kg								0.017 J										
Tetrachloroethene	19	150	1.4	mg/kg						0.025 J		0.022 J			0.028 J							
Toluene	100	500	1.5	mg/kg						0.031		0.042										
Trichloroethene	21	200	0.7	mg/kg																		
Semivolatile Organics																						
2,4-Dimethylphenol	NS	NS	NS	mg/kg				3.3 D	3.2 E	3.5 D	3.4 E							0.17 J		0.29 J		
2-Methylnaphthalene	NS	NS	36.4	mg/kg				0.48 JD	0.42	0.48 JD	0.47											
2-Methylphenol	100	500	0.1	mg/kg					0.24 J		0.25 J									0.076 J		
4-Methylphenol	100	500	0.9	mg/kg				6.2 D	6 E	7.5 D	5.5 E							0.091 J		0.18 J		
Acenaphthene	100	500	50	mg/kg					0.16 J		0.24 J											
Acenaphthylene	100	500	41	mg/kg																		
Acetophenone	NS	NS	NS	mg/kg																		
Anthracene	100	500	50	mg/kg				0.35 JD	0.19 J		0.3 J											
Benzo[a]anthracene	1	5.6	0.224	mg/kg				0.64 JD	0.2 J		0.62				0.074 J					0.079 J		
Benzo[a]pyrene	1	1	0.061	mg/kg				0.56 JD	0.17 J		0.51									0.071 J		
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg				0.72 JD	0.21 J	0.25 JD	0.66				0.088 J		0.056 J			0.092 J		0.066 J
Benzo[g,h,i]perylene	100	500	50	mg/kg				0.38 JD	0.11 J		0.34 J											
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg					0.086 J		0.23 J											
Biphenyl	NS	NS	NS	mg/kg					0.12 J		0.13 J											
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																		
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg		0.11 JB		2.5 D	2	2.3 D	2.3 E							0.25 JB		0.16 JB		
Butylbenzyl Phthalate	NS	NS	50	mg/kg																		
Carbazole	NS	NS	NS	mg/kg							0.13 J											
Chrysene	3.9	56	0.4	mg/kg				0.64 JD	0.22 J		0.65				0.084 J							
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																		
Dibenzofuran	59	350	6.2	mg/kg																		
Dimethyl Phthalate	NS	NS	2	mg/kg																		
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg				4.5 D	2.7 E	3.2 D	4.1 E							0.39 J		1.5		0.083 J
Fluoranthene	100	500	50	mg/kg				1.7 JD	0.51	0.62 JD	1.6				0.13 J					0.17 J		0.093 J
Fluorene	100	500	50	mg/kg				0.4 JD	0.28 J	0.37 JD	0.37 J											
Formaldehyde	NS	NS	NS	mg/kg				0.434										2.29		1.85		
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg				0.34 JD	0.16 J		0.44											
Naphthalene	100	500	13	mg/kg					0.21 J		0.23 J											
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																		
Phenanthrene	100	500	50	mg/kg				1.7 JD	0.8	1 JD	1.4				0.098 J					0.15 J		
Phenol	100	500	0.03	mg/kg				1.8 JD	1.8	2.2 D	1.7											
Pyrene	100	500	50	mg/kg				1.6 JD	0.51	0.63 JD	1.5				0.11 J					0.16 J		0.086 J
Pesticides																						
4,4-DDD	13	92	2.9	mg/kg																		
4,4-DDE	8.9	62	2.1	mg/kg																		
4,4-DDT	7.9	47	2.1	mg/kg																		
Aldrin	0.097	0.68	0.041	mg/kg																		
Polychlorinated Biphenyls																						
Aroclor 1248	NS	NS	NS	mg/kg					3.8		2											
Aroclor 1254	NS	NS	NS	mg/kg								0.94										0.15 P
Total PCBs (Surface)	1	1	1	mg/kg					**3.8**		**2**	0.94			0		0	0	0	0	0	0.15
Metals																						
Aluminum	NS	NS	NS	mg/kg	13000 D	13900		24700	4960		5230			12200 D	11400		16400 D	15600	13800		16900		15300
Antimony	NS	NS	NS	mg/kg	20.5 UND	2 UN		2.1 UN											2.2 UN		2.1 UN		
Arsenic	16	16	NS	mg/kg		3.5		5.3	3.82		3.55				4.12		5.15 JD	6.66	11.5		8.4		3.37
Barium	400	400	NS	mg/kg	141 D	158		289	68.5		72.6				57		53.7 JD	73	139		137		127
Beryllium	72	590	NS	mg/kg	1.7 JND	0.63 N		1.2 N	0.57		0.578			14.4 JD	0.692		3.25 JD	0.856	0.8 N		0.84 N		0.711
Cadmium	4.3	9.3	NS	mg/kg					**11.4**		**12.8**				1.8			1.83	3.1		**6.3**		2.5
Calcium	NS	NS	NS	mg/kg	52100 D	45400 OR		27600	21400		19300			9180 D	7780		9220 D	8020	10600		13800		36700
Chromium	110	400	NS	mg/kg	18 ND	19.6 N		32 N	41.3		39.9			14.8 JD	18.4		30.7 D	29.8	26.4 N		22.6 N		25.7
Cobalt	NS	NS	NS	mg/kg	9.4 JND	11.9 N		19.1 N	2.15		2.11				8.21		10.6 JD	11.3	10.3 N		12 N		10.4
Copper	270	270	NS	mg/kg	19.4 ND	23.5 N		32.5 N	60.4		59.4			23.9 JD	45.9		18 D	23.3	151 N		155 N		24.4
Cyanide	27	27	NS	mg/kg					1.46		1.53												
Iron	NS	NS	NS	mg/kg	29200 D	27800		38000	16100		14200			20000 D	18000		28300 D	25600	31200		36200		22700
Lead	400	1000	NS	mg/kg	40.9 ND	41.2 N		52.9 N	**443**		**481**			74.6 JD	71		28.2 D	26.2	104 N		84.7 N		23.5
Magnesium	NS	NS	NS	mg/kg	15800 D	15600		13900	1200		1160			5060 JD	4420		5040 D	4520	6050		8130		12900
Manganese	2000	10000	NS	mg/kg	549 D	529		875	1160		1250			265 D	251		291 D	263	386		391		530
Mercury	0.81	2.8	NS	mg/kg		0.02		0.021	0.026						0.027			0.034	0.099		0.03		0.036
Nickel	310	310	NS	mg/kg	29.6 ND	28.6 N		41.8 N	16.3		14.7				15.8		17.8 JD	21.5	35.1 N		42.4 N		23.5
Potassium	NS	NS	NS	mg/kg	2820 D	3450		5150	657		703				1050		971 JD	1130	1700		2060		2660
Selenium	180	1500	NS	mg/kg	8.2 UND	0.82 UN		0.22 JN											0.86 UN		0.84 UN		
Silver	180	1500	NS	mg/kg	4.1 UND	0.41 UN		0.43 UN	0.581		1.47								0.43 UN		0.42 UN		
Sodium	NS	NS	NS	mg/kg	1610 N*D	657 N*		638 N*	711		835			5460 JD	3660		2990 D	2430	575 N*		620 N*		308
Thallium	NS	NS	NS	mg/kg																		
Vanadium	NS	NS	NS	mg/kg	14 JND	32.7 N		52 N	5.38		5.74			18.3 JD	27.3		32.4 JD	33.3	33.5 N		34.8 N		29
Zinc	10000	10000	NS	mg/kg	59.7 D	68.1		81	1390		1520			**23200** D	**13313.1** OR		**14200** D	9770 OR	2560		3040		99.5

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID:	80 N	80 N	81 F	81 F	81 N	81 N	82 F	82 N	82 N	83 F	83 F	83 F	83 F	83 F	83 F
					Start Depth:	6	6	0	0	4	4	0	6	6	0	0	0	0	0	0
					End Depth:	8	8	2	2	6	6	2	7	7	2	2	2	2	2	2
					Sample Code:	80 N 6-8 Y5062	80 N 6-8 Y5062	81 F 0-2 Y5062	81 F 0-2 Y5062	81 N 4-6 Y5062	81 N 4-6 Y5062	82 F 0-2 Y5062	82 N 6-7 Y5062	82 N 6-7 Y5062	83 F 0-2 DUP Y5062	83 F 0-2 DUP Y5062	83 F 0-2 DUP Y5062	83 F 0-2 DUP Y5062	83 F 0-2 DUP Y5062	83 F 0-2 Y5062	83 F 0-2 Y5062
					I=Initial, D1=Dilution:	D1	I	I	Re1	D1	I	I	D1	I	D1	D2	D3	I	Re1	D1	D2
					Sample Date:	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007
					N=Normal, FD=Field Duplicate:	N	N	N	N	N	N	N	N	N	FD	FD	FD	FD	FD	N	N
Volatile Organics																					
1,1,1-Trichloroethane	100	500	0.8	mg/kg																	
1,1-Dichloroethane	26	240	NS	mg/kg																	
2-Butanone	100	500	NS	mg/kg																	
4-Methyl-2-pentanone	NS	NS	1	mg/kg																	
Acetone	100	500	NS	mg/kg																	
Benzene	4.8	44	NS	mg/kg																	
Carbon Disulfide	NS	NS	NS	mg/kg																	
cis-1,2-Dichloroethene	100	500	NS	mg/kg																	
Cyclohexane	NS	NS	NS	mg/kg																	
Dichlorodifluoromethane	NS	NS	NS	mg/kg																	
Ethylbenzene	41	390	NS	mg/kg																	
m,p-Xylenes	NS	NS	NS	mg/kg																	
Methyl Acetate	NS	NS	NS	mg/kg			0.02 J														
Methyl Cyclohexane	NS	NS	NS	mg/kg																	
Methylene Chloride	100	500	0.1	mg/kg			0.018 J												0.023 J		
o-Xylene	NS	NS	NS	mg/kg																	
Tetrachloroethene	19	150	1.4	mg/kg																	
Toluene	100	500	1.5	mg/kg																	
Trichloroethene	21	200	0.7	mg/kg																	
Semivolatile Organics																					
2,4-Dimethylphenol	NS	NS	NS	mg/kg											15.000001 ED	14.000001 D	14.000001 JD	14.000001 E		28.000001 ED	28.000001 D
2-Methylnaphthalene	NS	NS	36.4	mg/kg														0.27 J		0.46 JD	
2-Methylphenol	100	500	0.1	mg/kg											1.3 JD	1.3 JD		1.3		2 JD	2 JD
4-Methylphenol	100	500	0.9	mg/kg											6.7 D	6.2 D	5.6 JD	6.4 E		12.000001 D	12.000001 D
Acenaphthene	100	500	50	mg/kg																	
Acenaphthylene	100	500	41	mg/kg																	
Acetophenone	NS	NS	NS	mg/kg														0.098 J			
Anthracene	100	500	50	mg/kg														0.11 J			
Benzo[a]anthracene	1	5.6	0.224	mg/kg											0.38 JD			0.4 J			
Benzo[a]pyrene	1	1	0.061	mg/kg											0.42 JD			0.45 J			
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg											0.71 JD	0.76 JD		0.85		0.31 JD	
Benzo[g,h,i]perylene	100	500	50	mg/kg														0.34 J			
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg														0.23 J			
Biphenyl	NS	NS	NS	mg/kg																	
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																	
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg											4.3 D	4 JD		4 E		17.000001 ED	16.000001 D
Butylbenzyl Phthalate	NS	NS	50	mg/kg																	
Carbazole	NS	NS	NS	mg/kg																	
Chrysene	3.9	56	0.4	mg/kg											0.53 JD			0.56			
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																	
Dibenzofuran	59	350	6.2	mg/kg																	
Dimethyl Phthalate	NS	NS	2	mg/kg																	
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg			1.2				0.36 J				110.00001 ED	130.00001 ED	130.00001 D	68.000003 E		270.00001 ED	430.00002 ED
Fluoranthene	100	500	50	mg/kg											0.73 JD			0.73		0.4 JD	
Fluorene	100	500	50	mg/kg																	
Formaldehyde	NS	NS	NS	mg/kg																	
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg											0.31 JD			0.36 J			
Naphthalene	100	500	13	mg/kg														0.25 J		0.36 JD	
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																	
Phenanthrene	100	500	50	mg/kg														0.32 J			
Phenol	100	500	0.03	mg/kg											1.8 JD	1.7 JD		1.8		3.7 D	3.7 JD
Pyrene	100	500	50	mg/kg											0.64 JD			0.61			
Pesticides																					
4,4-DDD	13	92	2.9	mg/kg																	
4,4-DDE	8.9	62	2.1	mg/kg																	
4,4-DDT	7.9	47	2.1	mg/kg																	
Aldrin	0.097	0.68	0.041	mg/kg																	
Polychlorinated Biphenyls																					
Aroclor 1248	NS	NS	NS	mg/kg											1.2			1.2 E		2.6 P	1.1 D
Aroclor 1254	NS	NS	NS	mg/kg																	
Total PCBs (Surface)	1	1	1	mg/kg		0		0			0	0		0	**1.2**			**1.2**		**2.6**	**1.1**
Metals																					
Aluminum	NS	NS	NS	mg/kg	13100 D		12200	17100		9290 D	9000	33600	7790 D	7410				17700			
Antimony	NS	NS	NS	mg/kg																	
Arsenic	16	16	NS	mg/kg			0.648 J	2.29			1.6	2.24		1.81				7.13			
Barium	400	400	NS	mg/kg	51.8 D		58.2	118		86.2 D	90.9	335	65.2 D	70.4				182			
Beryllium	72	590	NS	mg/kg	0.944 JD		0.531	0.871		0.859 JD	0.401	1.77	0.786 JD	0.348				1.01			
Cadmium	4.3	9.3	NS	mg/kg	1.73 JD		1.99	2.17		1.47 JD	1.6	**4.88**	1.55 JD	1.47				**4.72**			
Calcium	NS	NS	NS	mg/kg	61800 D		43774.68 OR	1980		66400 D	47471.94 OR	4450	67100 D	47403.61 OR				7040			
Chromium	110	400	NS	mg/kg	22.2 D		19	22.9		14.7 D	12.8	38	12.5 D	10.8				41.3			
Cobalt	NS	NS	NS	mg/kg	8.97 JD		7.55	11		8.96 JD	8.09	19	7.63 JD	6.75				13.6			
Copper	270	270	NS	mg/kg	19 D		18.6	17.9		13.9 D	14.2	24.1	16.4 D	16.5				181			
Cyanide	27	27	NS	mg/kg																	
Iron	NS	NS	NS	mg/kg	23500 D		19200	29400		18100 D	14900	51300	16800 D	13800				25100			
Lead	400	1000	NS	mg/kg	9.6 D		9.26	11.8		6.7 JD	7.49	17.1	8.22 D	8.19				150			
Magnesium	NS	NS	NS	mg/kg	17800 D		14800	3980		16200 D	13900	6630	18900 D	16000				7200			
Manganese	2000	10000	NS	mg/kg	497 D		400	448		735 D	597	1080	631 D	510				326			
Mercury	0.81	2.8	NS	mg/kg				0.02			0.004 J	0.055						0.119			
Nickel	310	310	NS	mg/kg	21.3 D		19.6	18.2		18.1 D	17	33.2	14.9 JD	13.6				47.3			
Potassium	NS	NS	NS	mg/kg	2280 D		3100	1760		1220 JD	1790	4640	1290 JD	1840				2590			
Selenium	180	1500	NS	mg/kg														1.62			
Silver	180	1500	NS	mg/kg																	
Sodium	NS	NS	NS	mg/kg			363	150			362	1190		296				819			
Thallium	NS	NS	NS	mg/kg																	
Vanadium	NS	NS	NS	mg/kg	25.3 D		22.7	36.4		20 D	18.2	53.1	18.8 D	17.1				36.1			
Zinc	10000	10000	NS	mg/kg	131 D		114	75.6		66.8 D	59.2	170	79.8 D	70.5				3370			

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

Operable Unit 6
Soil Sampling Results
Spaulding Fibre Site Investigation

Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Sample ID: 83 F 0-2 Y5062	Start Depth: 0	End Depth: 2	Sample Code: 83 F 0-2 Y5062	I=Initial, D1=Dilution: D3	Sample Date: 10/25/2007	N=Normal, FD=Field Duplicate: N
					Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics											
1,1,1-Trichloroethane	100	500	0.8	mg/kg							
1,1-Dichloroethane	26	240	NS	mg/kg							
2-Butanone	100	500	NS	mg/kg							
4-Methyl-2-pentanone	NS	NS	1	mg/kg							
Acetone	100	500	NS	mg/kg							
Benzene	4.8	44	NS	mg/kg							
Carbon Disulfide	NS	NS	NS	mg/kg							
cis-1,2-Dichloroethene	100	500	NS	mg/kg							
Cyclohexane	NS	NS	NS	mg/kg							
Dichlorodifluoromethane	NS	NS	NS	mg/kg							
Ethylbenzene	41	390	NS	mg/kg							
m,p-Xylenes	NS	NS	NS	mg/kg							
Methyl Acetate	NS	NS	NS	mg/kg							
Methyl Cyclohexane	NS	NS	NS	mg/kg							
Methylene Chloride	100	500	0.1	mg/kg							
o-Xylene	NS	NS	NS	mg/kg							
Tetrachloroethene	19	150	1.4	mg/kg							
Toluene	100	500	1.5	mg/kg							
Trichloroethene	21	200	0.7	mg/kg							
Semivolatile Organics											
2,4-Dimethylphenol	NS	NS	NS	mg/kg	25.000001 JD	26.000001 E					
2-Methylnaphthalene	NS	NS	36.4	mg/kg		0.5					
2-Methylphenol	100	500	0.1	mg/kg		2.2					
4-Methylphenol	100	500	0.9	mg/kg		12.000001 E					
Acenaphthene	100	500	50	mg/kg							
Acenaphthylene	100	500	41	mg/kg							
Acetophenone	NS	NS	NS	mg/kg		0.15 J					
Anthracene	100	500	50	mg/kg							
Benzo[a]anthracene	1	5.6	0.224	mg/kg		0.2 J					
Benzo[a]pyrene	1	1	0.061	mg/kg		0.23 J					
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg		0.41 J					
Benzo[g,h,i]perylene	100	500	50	mg/kg		0.18 J					
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg							
Biphenyl	NS	NS	NS	mg/kg							
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg							
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg		13.000001 E					
Butylbenzyl Phthalate	NS	NS	50	mg/kg							
Carbazole	NS	NS	NS	mg/kg							
Chrysene	3.9	56	0.4	mg/kg		0.27 J					
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg							
Dibenzofuran	59	350	6.2	mg/kg							
Dimethyl Phthalate	NS	NS	2	mg/kg							
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg	440.00002 D	140.00001 E			0.22 J	0.075 J	
Fluoranthene	100	500	50	mg/kg		0.45				0.14 J	
Fluorene	100	500	50	mg/kg							
Formaldehyde	NS	NS	NS	mg/kg							
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg		0.18 J					
Naphthalene	100	500	13	mg/kg		0.38 J					
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg		0.094 J					
Phenanthrene	100	500	50	mg/kg		0.27 J				0.18 J	
Phenol	100	500	0.03	mg/kg		3.9 E					
Pyrene	100	500	50	mg/kg		0.34 J				0.11 J	
Pesticides											
4,4-DDD	13	92	2.9	mg/kg							
4,4-DDE	8.9	62	2.1	mg/kg							
4,4-DDT	7.9	47	2.1	mg/kg							
Aldrin	0.097	0.68	0.041	mg/kg							
Polychlorinated Biphenyls											
Aroclor 1248	NS	NS	NS	mg/kg		1.8 E					
Aroclor 1254	NS	NS	NS	mg/kg							
Total PCBs (Surface)	1	1	1	mg/kg		1.8			0	0	
Metals											
Aluminum	NS	NS	NS	mg/kg		15800		13200 D	12500	5320	
Antimony	NS	NS	NS	mg/kg						0.46 J	
Arsenic	16	16	NS	mg/kg		4.73			1.83	**51.7**	
Barium	400	400	NS	mg/kg		141		182 D	176	52.4	
Beryllium	72	590	NS	mg/kg		0.904		0.794 JD	0.587	0.65	
Cadmium	4.3	9.3	NS	mg/kg		3.89		1.73 JD	2.11		
Calcium	NS	NS	NS	mg/kg		7090		63400 D	45042.89 OR	1910	
Chromium	110	400	NS	mg/kg		45.8		21.4 D	18.1	15.9	
Cobalt	NS	NS	NS	mg/kg		12.4		13.5 D	11.6	7.4	
Copper	270	270	NS	mg/kg		147		22.3 D	21.8	29.3	
Cyanide	27	27	NS	mg/kg							
Iron	NS	NS	NS	mg/kg		22500		26500 D	21100	15500	
Lead	400	1000	NS	mg/kg		132		11 D	9.69	42.6	
Magnesium	NS	NS	NS	mg/kg		9110		18300 D	15300	219	
Manganese	2000	10000	NS	mg/kg		257		725 D	573	50.5	
Mercury	0.81	2.8	NS	mg/kg		0.024			0.012 J	0.228	
Nickel	310	310	NS	mg/kg		52.8		27.4 D	25.1	14.1	
Potassium	NS	NS	NS	mg/kg		2510		2180 D	3090	383	
Selenium	180	1500	NS	mg/kg		1.16				3.3	
Silver	180	1500	NS	mg/kg							
Sodium	NS	NS	NS	mg/kg		704			369	205	
Thallium	NS	NS	NS	mg/kg						2.3	
Vanadium	NS	NS	NS	mg/kg		31.9		28.5 D	25.5	13	
Zinc	10000	10000	NS	mg/kg		2730		76.5 D	67.6	47.1	

Parameter	Sample ID: 83 F 0	Start Depth: 4	End Depth: 6	Sample Code: 83 N 4-6 Y5062	I=Initial, D1=Dilution: D1	Sample Date: 10/25/2007	N=Normal, FD=Field Duplicate: N
	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics							
1,1,1-Trichloroethane							
1,1-Dichloroethane							
2-Butanone							
4-Methyl-2-pentanone							
Acetone							
Benzene							
Carbon Disulfide							
cis-1,2-Dichloroethene							
Cyclohexane							
Dichlorodifluoromethane							
Ethylbenzene							
m,p-Xylenes							
Methyl Acetate							
Methyl Cyclohexane							
Methylene Chloride							
o-Xylene							
Tetrachloroethene							
Toluene							
Trichloroethene							
Semivolatile Organics							
2,4-Dimethylphenol							
2-Methylnaphthalene							
2-Methylphenol							
4-Methylphenol							
Acenaphthene							
Acenaphthylene							
Acetophenone							
Anthracene							
Benzo[a]anthracene							
Benzo[a]pyrene							
Benzo[b]fluoranthene							
Benzo[g,h,i]perylene							
Benzo[k]fluoranthene							
Biphenyl							
Bis(2-chloroethyl) Ether							
Bis(2-ethylhexyl) Phthalate							
Butylbenzyl Phthalate							
Carbazole							
Chrysene							
Dibenzo[a,h]anthracene							
Dibenzofuran							
Dimethyl Phthalate							
Di-n-Butyl Phthalate							
Fluoranthene							
Fluorene							
Formaldehyde							
Indeno[1,2,3-cd]pyrene							
Naphthalene							
N-Nitrosodiphenylamine							
Phenanthrene							
Phenol							
Pyrene							
Pesticides							
4,4-DDD							
4,4-DDE							
4,4-DDT							
Aldrin							
Polychlorinated Biphenyls							
Aroclor 1248							
Aroclor 1254							
Total PCBs (Surface)			0				
Metals							
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Cyanide							
Iron							
Lead							
Magnesium							
Manganese							
Mercury							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Thallium							
Vanadium							
Zinc							

Parameter	Sample ID: 84 F 1	Start Depth: 1	End Depth: 2	Sample Code: TP84 1-2 F DUP Y5423	I=Initial, D1=Dilution: I	Sample Date: 11/19/2007	N=Normal, FD=Field Duplicate: FD
	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics							
1,1,1-Trichloroethane							
1,1-Dichloroethane							
2-Butanone							
4-Methyl-2-pentanone							
Acetone							
Benzene							
Carbon Disulfide							
cis-1,2-Dichloroethene							
Cyclohexane							
Dichlorodifluoromethane							
Ethylbenzene							
m,p-Xylenes							
Methyl Acetate							
Methyl Cyclohexane							
Methylene Chloride	0.035 J						
o-Xylene							
Tetrachloroethene	0.39 J						
Toluene							
Trichloroethene							
Semivolatile Organics							
2,4-Dimethylphenol							
2-Methylnaphthalene							
2-Methylphenol							
4-Methylphenol							
Acenaphthene							
Acenaphthylene							
Acetophenone							
Anthracene							
Benzo[a]anthracene							
Benzo[a]pyrene							
Benzo[b]fluoranthene							
Benzo[g,h,i]perylene							
Benzo[k]fluoranthene							
Biphenyl							
Bis(2-chloroethyl) Ether							
Bis(2-ethylhexyl) Phthalate							
Butylbenzyl Phthalate							
Carbazole							
Chrysene							
Dibenzo[a,h]anthracene							
Dibenzofuran							
Dimethyl Phthalate							
Di-n-Butyl Phthalate							
Fluoranthene							
Fluorene							
Formaldehyde							
Indeno[1,2,3-cd]pyrene							
Naphthalene							
N-Nitrosodiphenylamine							
Phenanthrene							
Phenol							
Pyrene							
Pesticides							
4,4-DDD							
4,4-DDE							
4,4-DDT							
Aldrin							
Polychlorinated Biphenyls							
Aroclor 1248							
Aroclor 1254							
Total PCBs (Surface)			0				
Metals							
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Cyanide							
Iron							
Lead							
Magnesium							
Manganese							
Mercury							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Thallium							
Vanadium							
Zinc							

Parameter	Sample ID: 84 F 1	Start Depth: 1	End Depth: 2	Sample Code: TP84 1-2 F DUP Y5423	I=Initial, D1=Dilution: Re1	Sample Date: 11/19/2007	N=Normal, FD=Field Duplicate: FD
	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics							
1,1,1-Trichloroethane							
1,1-Dichloroethane							
2-Butanone							
4-Methyl-2-pentanone							
Acetone							
Benzene							
Carbon Disulfide							
cis-1,2-Dichloroethene							
Cyclohexane							
Dichlorodifluoromethane							
Ethylbenzene							
m,p-Xylenes							
Methyl Acetate							
Methyl Cyclohexane							
Methylene Chloride	0.029 J						
o-Xylene							
Tetrachloroethene	0.21 J						
Toluene							
Trichloroethene							
Semivolatile Organics							
2,4-Dimethylphenol							
2-Methylnaphthalene							
2-Methylphenol							
4-Methylphenol							
Acenaphthene							
Acenaphthylene							
Acetophenone							
Anthracene							
Benzo[a]anthracene							
Benzo[a]pyrene							
Benzo[b]fluoranthene							
Benzo[g,h,i]perylene							
Benzo[k]fluoranthene							
Biphenyl							
Bis(2-chloroethyl) Ether							
Bis(2-ethylhexyl) Phthalate							
Butylbenzyl Phthalate							
Carbazole							
Chrysene							
Dibenzo[a,h]anthracene							
Dibenzofuran							
Dimethyl Phthalate							
Di-n-Butyl Phthalate							
Fluoranthene							
Fluorene							
Formaldehyde							
Indeno[1,2,3-cd]pyrene							
Naphthalene							
N-Nitrosodiphenylamine							
Phenanthrene							
Phenol							
Pyrene							
Pesticides							
4,4-DDD							
4,4-DDE							
4,4-DDT							
Aldrin							
Polychlorinated Biphenyls							
Aroclor 1248							
Aroclor 1254							
Total PCBs (Surface)			0				
Metals							
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Cyanide							
Iron							
Lead							
Magnesium							
Manganese							
Mercury							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Thallium							
Vanadium							
Zinc							

Parameter	Sample ID: 84 F 1	Start Depth: 2	End Depth: 3	Sample Code: TP84 1-2 F Y5423	I=Initial, D1=Dilution: I	Sample Date: 11/19/2007	N=Normal, FD=Field Duplicate: N
	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics							
1,1,1-Trichloroethane							
1,1-Dichloroethane							
2-Butanone							
4-Methyl-2-pentanone							
Acetone							
Benzene							
Carbon Disulfide							
cis-1,2-Dichloroethene							
Cyclohexane							
Dichlorodifluoromethane							
Ethylbenzene							
m,p-Xylenes							
Methyl Acetate							
Methyl Cyclohexane							
Methylene Chloride							
o-Xylene							
Tetrachloroethene	0.095						
Toluene							
Trichloroethene							
Semivolatile Organics							
2,4-Dimethylphenol	0.081 J						
2-Methylnaphthalene	0.24 J						
2-Methylphenol							
4-Methylphenol	0.095 J						
Acenaphthene							
Acenaphthylene							
Acetophenone							
Anthracene							
Benzo[a]anthracene							
Benzo[a]pyrene							
Benzo[b]fluoranthene							
Benzo[g,h,i]perylene							
Benzo[k]fluoranthene							
Biphenyl							
Bis(2-chloroethyl) Ether							
Bis(2-ethylhexyl) Phthalate							
Butylbenzyl Phthalate							
Carbazole							
Chrysene							
Dibenzo[a,h]anthracene							
Dibenzofuran	0.074 J						
Dimethyl Phthalate							
Di-n-Butyl Phthalate	0.34 J						
Fluoranthene							
Fluorene							
Formaldehyde							
Indeno[1,2,3-cd]pyrene							
Naphthalene	0.12 J						
N-Nitrosodiphenylamine							
Phenanthrene	0.17 J						
Phenol	0.096 J						
Pyrene							
Pesticides							
4,4-DDD							
4,4-DDE							
4,4-DDT							
Aldrin							
Polychlorinated Biphenyls							
Aroclor 1248							
Aroclor 1254							
Total PCBs (Surface)			0				
Metals							
Aluminum	5170						
Antimony							
Arsenic	**47.7**						
Barium	29.2						
Beryllium	0.47						
Cadmium							
Calcium	2520						
Chromium	13.1						
Cobalt	6						
Copper	25.4						
Cyanide							
Iron	22600						
Lead	48.6						
Magnesium	478						
Manganese	57.1						
Mercury							
Nickel	13.3						
Potassium	304						
Selenium	3						
Silver							
Sodium	401						
Thallium	2.7						
Vanadium	10.8						
Zinc	38.4						

Parameter	Sample ID: 84 F 1	Start Depth: 2	End Depth: 3	Sample Code: TP84 1-2 F Y5423	I=Initial, D1=Dilution: Re1	Sample Date: 11/19/2007	N=Normal, FD=Field Duplicate: N
	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics							
1,1,1-Trichloroethane							
1,1-Dichloroethane							
2-Butanone							
4-Methyl-2-pentanone							
Acetone							
Benzene							
Carbon Disulfide							
cis-1,2-Dichloroethene							
Cyclohexane							
Dichlorodifluoromethane							
Ethylbenzene							
m,p-Xylenes							
Methyl Acetate							
Methyl Cyclohexane							
Methylene Chloride	0.015 J						
o-Xylene							
Tetrachloroethene	0.077 J						
Toluene							
Trichloroethene							
Semivolatile Organics							
2,4-Dimethylphenol							
2-Methylnaphthalene							
2-Methylphenol							
4-Methylphenol							
Acenaphthene							
Acenaphthylene							
Acetophenone							
Anthracene							
Benzo[a]anthracene							
Benzo[a]pyrene							
Benzo[b]fluoranthene							
Benzo[g,h,i]perylene							
Benzo[k]fluoranthene							
Biphenyl							
Bis(2-chloroethyl) Ether							
Bis(2-ethylhexyl) Phthalate							
Butylbenzyl Phthalate							
Carbazole							
Chrysene							
Dibenzo[a,h]anthracene							
Dibenzofuran							
Dimethyl Phthalate							
Di-n-Butyl Phthalate							
Fluoranthene							
Fluorene							
Formaldehyde							
Indeno[1,2,3-cd]pyrene							
Naphthalene							
N-Nitrosodiphenylamine							
Phenanthrene							
Phenol							
Pyrene							
Pesticides							
4,4-DDD							
4,4-DDE							
4,4-DDT							
Aldrin							
Polychlorinated Biphenyls							
Aroclor 1248							
Aroclor 1254							
Total PCBs (Surface)			0				
Metals							
Aluminum	13800						
Antimony							
Arsenic	6.3						
Barium	81.6						
Beryllium	0.6						
Cadmium							
Calcium	5690						
Chromium	15.2						
Cobalt	7.3						
Copper	12.8						
Cyanide							
Iron	19300						
Lead	45.6						
Magnesium	4320						
Manganese	258						
Mercury							
Nickel	15.8						
Potassium	1860						
Selenium	1.1						
Silver							
Sodium	282						
Thallium							
Vanadium	31.2						
Zinc	55						

Parameter	Sample ID: 84 N 2	Start Depth: 3	End Depth: 4	Sample Code: TP84 2-3 N Y5423	I=Initial, D1=Dilution: I	Sample Date: 11/19/2007	N=Normal, FD=Field Duplicate: N
	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics							
1,1,1-Trichloroethane							
1,1-Dichloroethane							
2-Butanone							
4-Methyl-2-pentanone							
Acetone	0.16 J						
Benzene							
Carbon Disulfide							
cis-1,2-Dichloroethene							
Cyclohexane							
Dichlorodifluoromethane							
Ethylbenzene							
m,p-Xylenes							
Methyl Acetate							
Methyl Cyclohexane							
Methylene Chloride							
o-Xylene							
Tetrachloroethene	0.02 J						
Toluene							
Trichloroethene							
Semivolatile Organics							
2,4-Dimethylphenol							
2-Methylnaphthalene							
2-Methylphenol							
4-Methylphenol							
Acenaphthene							
Acenaphthylene							
Acetophenone							
Anthracene							
Benzo[a]anthracene							
Benzo[a]pyrene							
Benzo[b]fluoranthene							
Benzo[g,h,i]perylene							
Benzo[k]fluoranthene							
Biphenyl							
Bis(2-chloroethyl) Ether							
Bis(2-ethylhexyl) Phthalate							
Butylbenzyl Phthalate							
Carbazole							
Chrysene							
Dibenzo[a,h]anthracene							
Dibenzofuran							
Dimethyl Phthalate							
Di-n-Butyl Phthalate	0.075 J						
Fluoranthene	0.073 J						
Fluorene							
Formaldehyde							
Indeno[1,2,3-cd]pyrene							
Naphthalene							
N-Nitrosodiphenylamine							
Phenanthrene							
Phenol							
Pyrene							
Pesticides							
4,4-DDD							
4,4-DDE							
4,4-DDT							
Aldrin							
Polychlorinated Biphenyls							
Aroclor 1248							
Aroclor 1254							
Total PCBs (Surface)			0				
Metals							
Aluminum	13200 D						
Antimony							
Arsenic	9.65 D						
Barium	**787** D						
Beryllium	1.87 JD						
Cadmium	**6.63** JD						
Calcium	36900 D						
Chromium	101 D						
Cobalt	15.9 D						
Copper	**1950** D						
Cyanide							
Iron	58300 D						
Lead	**653** D						
Magnesium	10100 D						
Manganese	1040 D						
Mercury							
Nickel	122 D						
Potassium	1150 JD						
Selenium							
Silver							
Sodium	2800 D						
Thallium							
Vanadium	26.3 D						
Zinc	**12600** D						

Parameter	Sample ID: 85 F 0	Start Depth: 1	End Depth: 2	Sample Code: TP85 0-1 F Y5360	I=Initial, D1=Dilution: D1	Sample Date: 11/15/2007	N=Normal, FD=Field Duplicate: N
	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
Volatile Organics							
1,1,1-Trichloroethane							
1,1-Dichloroethane							
2-Butanone							
4-Methyl-2-pentanone							
Acetone							
Benzene							
Carbon Disulfide							
cis-1,2-Dichloroethene							
Cyclohexane							
Dichlorodifluoromethane							
Ethylbenzene							
m,p-Xylenes							
Methyl Acetate							
Methyl Cyclohexane							
Methylene Chloride							
o-Xylene							
Tetrachloroethene							
Toluene							
Trichloroethene							
Semivolatile Organics							
2,4-Dimethylphenol							
2-Methylnaphthalene							
2-Methylphenol							
4-Methylphenol							
Acenaphthene							
Acenaphthylene							
Acetophenone							
Anthracene							
Benzo[a]anthracene							
Benzo[a]pyrene							
Benzo[b]fluoranthene							
Benzo[g,h,i]perylene							
Benzo[k]fluoranthene							
Biphenyl							
Bis(2-chloroethyl) Ether							
Bis(2-ethylhexyl) Phthalate							
Butylbenzyl Phthalate							
Carbazole							
Chrysene							
Dibenzo[a,h]anthracene							
Dibenzofuran							
Dimethyl Phthalate							
Di-n-Butyl Phthalate							
Fluoranthene							
Fluorene							
Formaldehyde							
Indeno[1,2,3-cd]pyrene							
Naphthalene							
N-Nitrosodiphenylamine							
Phenanthrene							
Phenol							
Pyrene							
Pesticides							

Operable Unit 7
Soil Sampling Results
Spaulding Fibre Site Investigation
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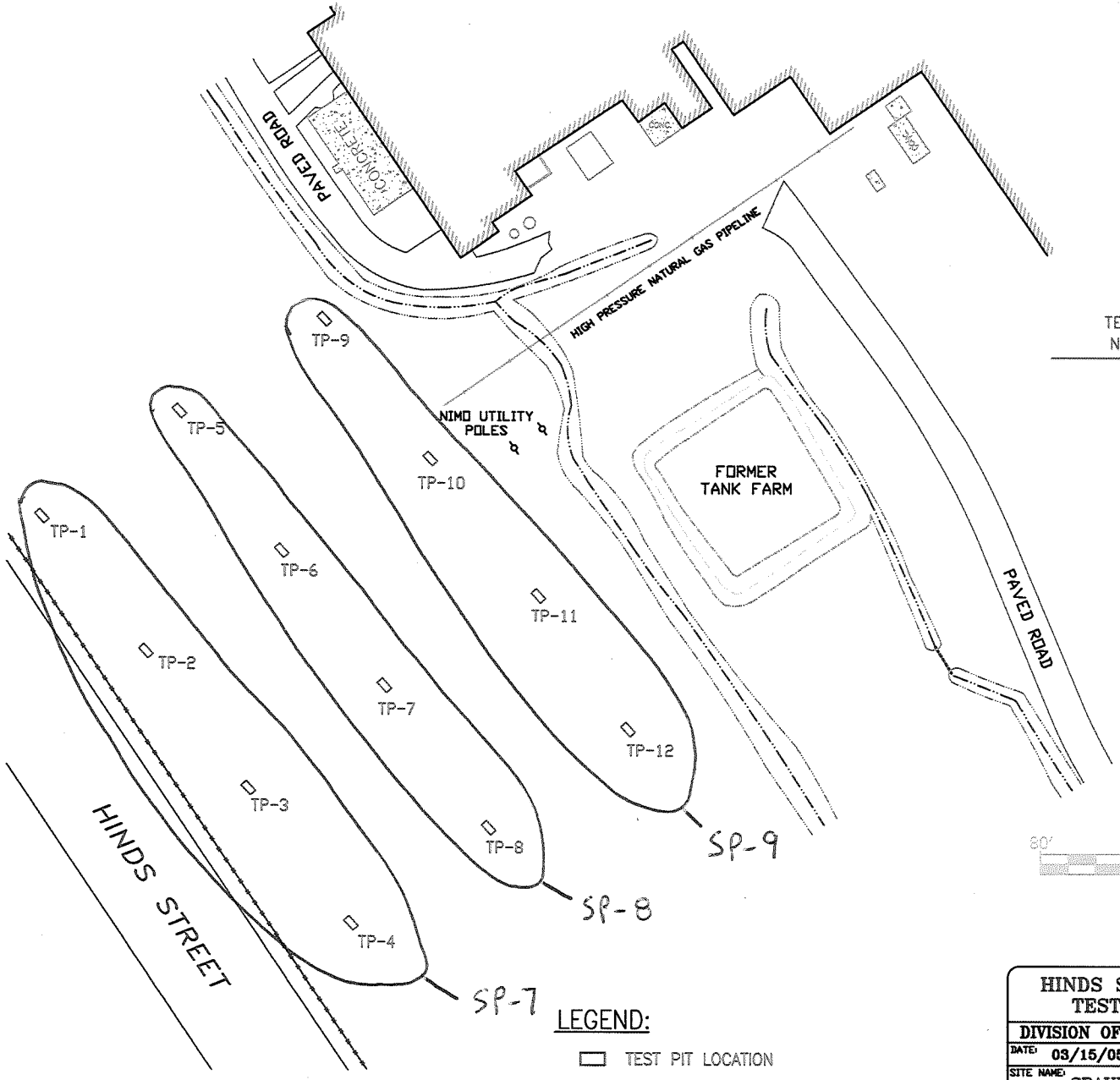
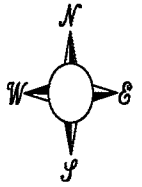
				Sample ID:	64 F		64 N		64 N		68 N		68 N		69 N		69 N		70 N		70 N		70 N		78 F		78 N		78 N	
				Start Depth:	0		3		3		8		8		7		7		0		0		3		0		3		3	
				End Depth:	1		4		4		9		9		8		8		1		1		4		1		4		4	
				Sample Code:	64 F 0-1 Y5028		64 N 3-4 Y5028		64 N 3-4 Y5028		68 N 8-9 Y5062		68 N 8-9 Y5062		69 N 7-8 Y5062		69 N 7-8 Y5062		70 N 0-1 Y5062		70 N 0-1 Y5062		70 N 3-4 Y5062		78 F 0-1 Y5028		78 N 3-4 Y5028		78 N 3-4 Y5028	
				I=Initial, D1=Dilution:	I		D1		I		D1		I		D1		I		D1		I		I		I		D1		I	
				Sample Date:	10/24/2007		10/24/2007		10/24/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/25/2007		10/24/2007		10/24/2007		10/24/2007	
				N=Normal, FD=Field Duplicate:	N		N		N		N		N		N		N		N		N		N		N		N		N	
Parameter	Part 375 Restricted Residential Standard	Part 375 Commercial Standard	TAGM 4046	Unit	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organics																														
1,1,1-Trichloroethane	100	500	0.8	mg/kg																										
1,1-Dichloroethane	26	240	NS	mg/kg																										
2-Butanone	100	500	NS	mg/kg																										
4-Methyl-2-pentanone	NS	NS	1	mg/kg																										
Acetone	100	500	NS	mg/kg																										
Benzene	4.8	44	NS	mg/kg																										
Carbon Disulfide	NS	NS	NS	mg/kg																										
cis-1,2-Dichloroethene	100	500	NS	mg/kg																										
Cyclohexane	NS	NS	NS	mg/kg																										
Dichlorodifluoromethane	NS	NS	NS	mg/kg																										
Ethylbenzene	41	390	NS	mg/kg																										
m,p-Xylenes	NS	NS	NS	mg/kg																										
Methyl Acetate	NS	NS	NS	mg/kg																										
Methyl Cyclohexane	NS	NS	NS	mg/kg																										
Methylene Chloride	100	500	0.1	mg/kg	0.018	JB			0.02	JB																			0.018	J
o-Xylene	NS	NS	NS	mg/kg																										
Tetrachloroethene	19	150	1.4	mg/kg																										
Toluene	100	500	1.5	mg/kg																										
Trichloroethene	21	200	0.7	mg/kg																										
Semivolatile Organics																														
2,4-Dimethylphenol	NS	NS	NS	mg/kg																										
2-Methylnaphthalene	NS	NS	36.4	mg/kg																										
2-Methylphenol	100	500	0.1	mg/kg																										
4-Methylphenol	100	500	0.9	mg/kg																										
Acenaphthene	100	500	50	mg/kg																										
Acenaphthylene	100	500	41	mg/kg																										
Acetophenone	NS	NS	NS	mg/kg																										
Anthracene	100	500	50	mg/kg																										
Benzo[a]anthracene	1	5.6	0.224	mg/kg																										
Benzo[a]pyrene	1	1	0.061	mg/kg																										
Benzo[b]fluoranthene	1	5.6	1.1	mg/kg																										
Benzo[g,h,i]perylene	100	500	50	mg/kg																										
Benzo[k]fluoranthene	3.9	56	1.1	mg/kg																										
Biphenyl	NS	NS	NS	mg/kg																										
Bis(2-chloroethyl) Ether	NS	NS	NS	mg/kg																										
Bis(2-ethylhexyl) Phthalate	NS	NS	50	mg/kg					0.093	JB															0.097	JB				
Butylbenzyl Phthalate	NS	NS	50	mg/kg																										
Carbazole	NS	NS	NS	mg/kg																										
Chrysene	3.9	56	0.4	mg/kg																										
Dibenzo[a,h]anthracene	0.33	0.56	0.014	mg/kg																										
Dibenzofuran	59	350	6.2	mg/kg																										
Dimethyl Phthalate	NS	NS	2	mg/kg																										
Di-n-Butyl Phthalate	NS	NS	8.1	mg/kg									0.3	J																
Fluoranthene	100	500	50	mg/kg																										
Fluorene	100	500	50	mg/kg																										
Formaldehyde	NS	NS	NS	mg/kg	2.35				0.453																1.25				1.65	
Indeno[1,2,3-cd]pyrene	0.5	5.6	3.2	mg/kg																										
Naphthalene	100	500	13	mg/kg																	0.086	J	0.089	J						
N-Nitrosodiphenylamine	NS	NS	NS	mg/kg																										
Phenanthrene	100	500	50	mg/kg																										
Phenol	100	500	0.03	mg/kg																										
Pyrene	100	500	50	mg/kg																										
Pesticides																														
4,4-DDD	13	92	2.9	mg/kg																										
4,4-DDE	8.9	62	2.1	mg/kg																										
4,4-DDT	7.9	47	2.1	mg/kg																										
Aldrin	0.097	0.68	0.041	mg/kg																										
Polychlorinated Biphenyls																														
Aroclor 1248	NS	NS	NS	mg/kg																										
Aroclor 1254	NS	NS	NS	mg/kg																										
Total PCBs (Surface)	1	1	1	mg/kg	0				0																0				0	
Metals																														
Aluminum	NS	NS	NS	mg/kg	9940		5800	D	5300		9030	D	8820		8970	D	8510		18900	D	17500		16800		17200		18900	D	16600	
Antimony	NS	NS	NS	mg/kg	2	UN	18.4	UND	1.8	UN															2.1	UN	20.4	UND	2	UN
Arsenic	16	16	NS	mg/kg	2.8			UD	2				1.07				1.22				2.95		1.58		3.3				2.2	
Barium	400	400	NS	mg/kg	93.7		50.4	D	63.7		81.5	D	86.6		72.2	D	76.2		156	D	151		120		142		94.8	D	95.4	
Beryllium	72	590	NS	mg/kg	0.7	N	0.8	JND	0.38	N	0.802	JD	0.406		0.767	JD	0.397		1.3	JD	0.83		0.703		0.86	N	1.8	JND	0.75	N
Cadmium	4.3	9.3	NS	mg/kg		U		UD	0.19	J	1.52	JD	1.71		1.71	JD	1.63		1.95	JD	2.67		2.03							
Calcium	NS	NS	NS	mg/kg	8410		80900	D	55426.98	OR	68400	D	48970.28	OR	67800	D	47560.76	OR	57200	D			2390		35200		57600	D	42500	OR
Chromium	110	400	NS	mg/kg	13.3	N	6.2	ND	7.2	N	15.7	D	13		14.3	D	12.5		29.8	D	25.8		22.3		23.8	N	27	ND	25.7	N
Cobalt	NS	NS	NS	mg/kg	8.5	N	2.9	JND	5.8	N	9.75	JD	8.09		7.61	JD	6.99		16.3	D	14.2		13.7		14.5	N	10.1	JND	12	N
Copper	270	270	NS	mg/kg	21	N	17	ND	15.8	N	19.5	D	19.6		17.7	D	17.7		28.2	D	28.6		12		28.4	N	27.7	ND	26.9	N
Cyanide	27	27	NS	mg/kg		U				U															1.9					
Iron	NS	NS	NS	mg/kg	21800		14600	D	13100		18700	D	15800		18500	D	15200		32300	D	26800		25900		32100		38400	D	30800	
Lead	400	1000	NS	mg/kg	39	N	36.3	ND	33.9	N	15.4	D	13.2		10.7	D	9.5		11.9	D	11.6		13.5		46.1	N	56.1	ND	43.3	N
Magnesium	NS	NS	NS	mg/kg	6620		21100	D	17000		19500	D	16800		20500	D	17200		15700	D	13200		4410		12400		15500	D	12800	
Manganese	2000	10000	NS	mg/kg	530		557	D	451		617	D	510		581	D	468		788	D	633		570		511		625	D	504	
Mercury	0.81	2.8	NS	mg/kg	0.021				0.01	J			0.007	J							0.016		0.035		0.02				0.015	
Nickel	310	310	NS	mg/kg	20.9	N	12.5	JND	12.6	N	17.7	D	16.1		15.3	D	15.1		33.9	D	30.1		17.5		39	N	39.7	ND	31.6	N
Potassium	NS	NS	NS	mg/kg	1090		1140	D	1450		1770	D	2440		1640	D	2300		2010	D	2790		1460		3250		3800	D	3780	
Selenium	180	1500	NS	mg/kg	0.47	JN	7.4	UND	0.74	UN															0.84	UN	8.1	UND	0.81	UN
Silver	180	1500	NS	mg/kg	0.4	UN	3.7	UND	0.37	UN															0.42	UN	4.1	UND	0.41	UN
Sodium	NS	NS	NS	mg/kg	79.800003	UN*	1290	N*D	416	N*	348	JD	363				350				321		213		537	N*	1160	N*D	586	N*
Thallium	NS	NS	NS	mg/kg		U		UD		U																				
Vanadium	NS	NS	NS	mg/kg	25.6	N	2.7	JND	14.9	N	21.8	D	19.8		20.7	D	18.6		37.1	D	33.8		33.1		39.7	N	36.8	ND	37.5	N
Zinc	10000	10000	NS	mg/kg							81.6	D	73.9		80.2	D	70.8		81.4	D	72.6		73		74.4		91.5	D	85.4	

Notes:
NS = No applicable standard; U = Not detected; E = Value exceeds calibration range
J = Estimated value; B = Analyte found in associated method blank
N = Spike sample recovery outside of control limits; P = two GC columns differ >25%
D = Sample dilution; OR = Out of calibration range; R = Rejected
* = Duplicate analysis not within control limits
Bold = Result exceeds 6 NYCRR Part 375 Restricted-Residential Objective
Shaded = Result exceeds 6 NYCRR Part 375 Commercial Objective
Underline = Result exceeds TAGM 4046 when Part 375 Criteria is NS

ATTACHMENT 2

DEC OU2 IRM Analytical Data





TEST PIT NUMBER	GROUND ELEVATION	BOTTOM ELEVATION
1	605.09	601.55
2	605.91	602.15
3	607.15	603.18
4	608.30	603.98
5	604.16	601.54
6	604.21	599.69
7	604.19	599.62
8	606.03	601.54
9	601.88	598.04
10	599.57	---
11	600.97	---
12	604.30	601.41

HINDS STREET INVESTIGATION, TEST PIT LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 03/15/05 | DRAWING: Test Pit Map.dwg

SITE NAME: SPAULDING COMPOSITES SITE FIGURE 2-52

Table 3-1 (continued).
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Soil * Cleanup Standards	SP-5 5/20/04 0'-3' New Ditch	SP-6 5/20/04 0'-3' New Ditch	SP-7 10/29/04 0'-3' TP-1/TP-4	SP-8 10/29/04 0'-3' TP- 5/TP-8	SP-9 10/29/04 0'-3' TP- 9/TP-12	SP-10 10/29/04 0'-3' Stockpile
Volatile Organic Compounds (µg/kg or ppb)							
Benzene	60.0	2.0	2.0	ND (1)	3.0	ND (1)	3.0
Carbon Disulfide	2,700	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	2.0
Ethylbenzene	5,500	ND (1)	ND (1)	ND (1)	1.0	ND (1)	ND (1)
Toluene	1,500	2.0	4.0	ND (1)	4.0	ND (1)	5.0
Trichloroethene	700.0	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	4.0
Xylene-O	1,200	ND (1)	1.0	ND (1)	1.0	ND (1)	2.0
Xylene-M&P		2.0	4.0	4.0	7.0	4.0	5.0
Semivolatile Organic Compounds (µg/kg or ppb)							
Benzo(a)anthracene	224.0	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	130.0
Benzo(a)pyrene	61.0	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	**150.0**
Benzo(b)fluoranthene	220.0	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	170.0
Benzo(g,h,i)perylene	50,000	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	130.0
Benzo(k)fluoranthene	220.0	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	130.0
Bis(2-ethylhexyl)phthalate	50,000	ND (1,500)	ND (1,500)	ND (1,500)	ND (1,500)	ND (1,500)	ND (1,500)
Chrysene	400.0	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	140.0
Dibenzo(a,h)anthracene	14.3	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)
Di-n-butylphthalate	8,100	ND (220)	330.0	ND (220)	ND (220)	ND (220)	ND (220)
Fluoranthene	50,000	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Indeno(1,2,3-cd)pyrene	3,200	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	120.0

Table 3-1 (continued).
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Soil * Cleanup Standards	SP-5 5/20/04 0'-3' New Ditch	SP-6 5/20/04 0'-3' New Ditch	SP-7 10/29/04 0'-3' TP-1/TP-4	SP-8 10/29/04 0'-3' TP- 5/TP-8	SP-9 10/29/04 0'-3' TP- 9/TP-12	SP-10 10/29/04 0'-3' Stockpile
Semivolatile Organic Compounds (continued)							
Phenanthrene	50,000	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)	90.0
Pyrene	50,000	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)
PCB/Pesticides (µg/kg or ppb)							
4,4'-DDT	2,100	ND (9)	ND (9)	ND (9)	ND (9)	ND (9)	13.0
Aroclor-1248	10,000	ND (31)	ND (31)	ND (31)	ND (31)	ND (31)	480.0
Inorganic Compounds (mg/kg or ppm)							
Aluminum	SB (16,200)	13,000	8,400	13,000	9,300	12,000	16,000
Antimony	SB (1)			ND (5)	ND (5)	ND (5)	ND (5)
Arsenic	7.5	ND (5)	ND (5)	5.9	ND (5)	ND (5)	**7.9**
Barium	300	95.0	75.0	110.0	78.0	92.0	130.0
Beryllium	SB (0.89)	0.6	0.4	0.6	0.5	0.6	**0.9**
Cadmium	1.0	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**1.0**
Calcium	SB (73,800)	41,000	70,000	54,000	45,000	50,000	28,000
Chromium	SB (21.1)	17.0	14.0	19.0	13.0	17.0	**31.0**
Cobalt	30.0	9.0	7.0	9.0	6.0	9.0	10.0
Copper	25.0	19.0	18.0	21.0	17.0	22.0	**45.0**
Iron	SB (26,100)	23,000	17,000	24,000	18,000	23,000	26,000
Lead	500 **	12.0	15.0	16.0	13.0	17.0	60.0
Magnesium	SB (16,800)	15,000	**18,000**	15,000	14,000	16,000	8,700

Table 3-1 (continued).
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Soil * Cleanup Standards	SP-5 5/20/04 0'-3' New Ditch	SP-6 5/20/04 0'-3' New Ditch	SP-7 10/29/04 0'-3' TP-1/TP-4	SP-8 10/29/04 0'-3' TP- 5/TP-8	SP-9 10/29/04 0'-3' TP- 9/TP-12	SP-10 10/29/04 0'-3' Stockpile
Inorganic Compounds (continued)							
Manganese	SB (657)	520.0	560.0	550.0	500.0	610.0	560.0
Mercury	0.1	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	**0.17**
Nickel	SB (24.8)	21.0	16.0	21.0	14.0	22.0	**26.0**
Potassium	SB (2,060)	1,900	1,500	2,000	1,300	1,900	1,900
Selenium	2.0	ND (10)	ND (10)	**11.0**	ND (10)	ND (10)	**11.0**
Silver	SB (ND)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Sodium	SB (ND)	**120.0**	**130.0**	**150.0**	**110.0**	**130.0**	**120.0**
Vanadium	150.0	26.0	19.0	27.0	20.0	26.0	30.0
Zinc	SB (95)	73.0	71.0	89.0	79.0	**100.0**	**380.0**

* NYSDEC Technical and Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, 1994.

** The TAGM 4046 soil cleanup objective for lead is site background. In general, background concentrations vary widely, with average concentrations in undeveloped, rural areas ranging from 4-61 ppm, and from 200-500 ppm in metropolitan or suburban areas. For screening purposes, a 500 ppm value has been utilized for the Spaulding Composite Site.

ND Indicates that the compound was not detected at the method detection limit specified in parentheses.

SB Site background values are from the July 1997 RI/RFI report.

Blanks indicate that the sample was not analyzed for the associated compound.

Shaded values equal or exceed the TAGM 4046 soil cleanup objectives.

Table 3-2.
Analytical Results of Sludge Samples Collected from the Spauldite Sheet Basement at the Spaulding Composites Site.

Sample Number Date Sampled Sample Location	Soil Cleanup Objective *	FD-1 05/18/04 Floor Drain 1	FD-2 05/18/04 Floor Drain 2	FD-3 05/18/04 Floor Drain 3	FD-4 05/18/04 Floor Drain 4
PCBs (µg/g or ppm)					
Aroclor-1248		84.0	12.0	5.3	12.0
Aroclor-1254					
Aroclor-1260					
Total PCBs	10.0	**84.0**	**12.0**	5.3	**12.0**
Sample Number Date Sampled Sample Location	**Soil Cleanup Objective ***	**SMP-1 05/18/04 Sump A**	**SMP-2 05/18/04 Sump B**	**OSE-1 ** 05/18/04 Equipment**	
PCBs (µg/g or ppm)					
Aroclor-1248		150.0	430.0	19.0	
Aroclor-1254					
Aroclor-1260					
Total PCBs	10.0	**150.0**	**430.0**	**19.0**	

* **NYSDEC Technical and Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, 1994.**

** **Sample was collected of an oily substance coating the equipment and debris in the basement.**

Blanks indicate that the compound was analyzed for but was not detected.

Shaded values equal or exceed the TAGM 4046 soil cleanup objectives.

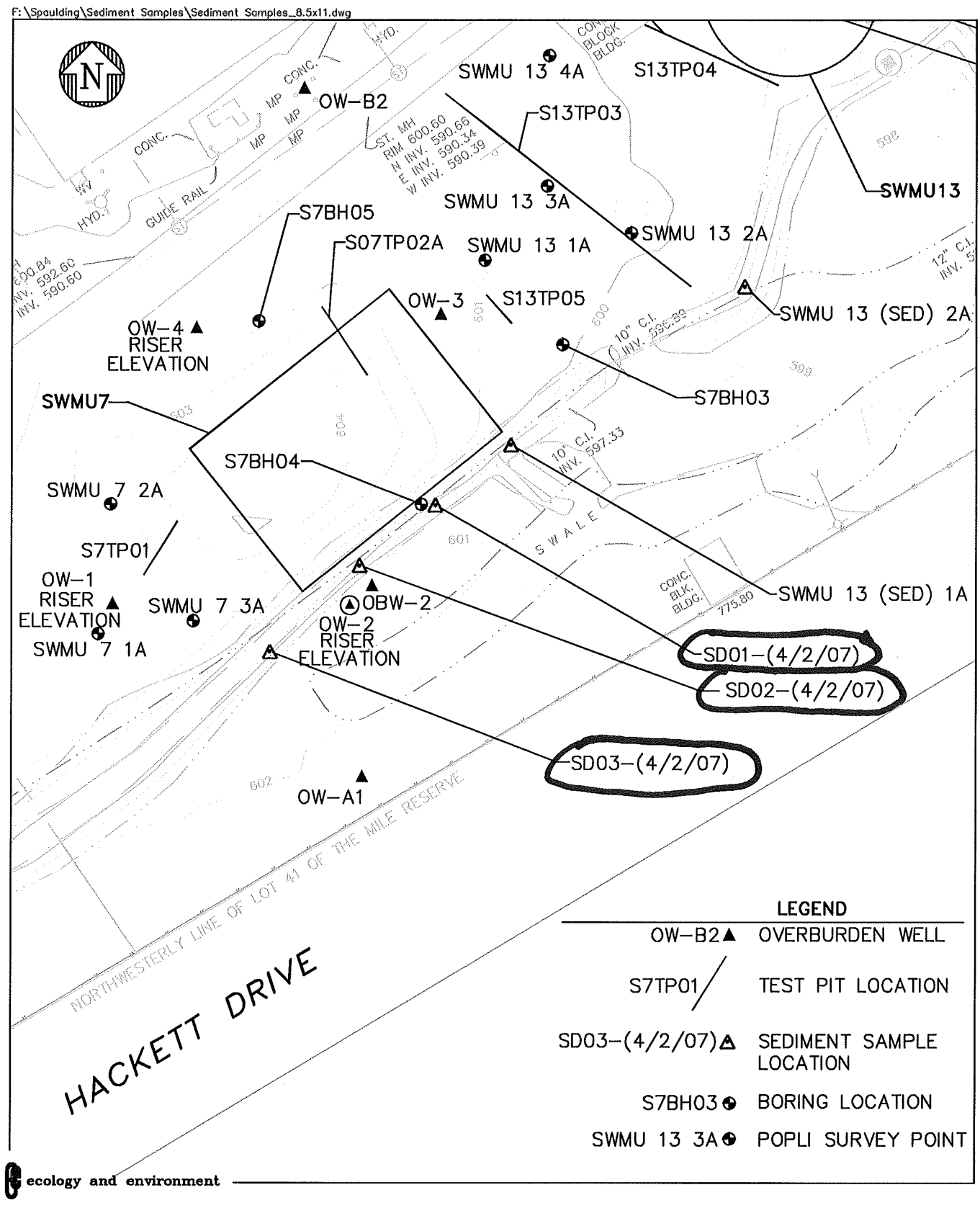


FIGURE 1
SPAULDING SEDIMENT SAMPLE LOCATIONS

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

SHAWN GARDNER
ECOLOGY & ENVIRONMENT
368 PLEASANT VIEW
LANCASTER, NY 14086

4/12/2007

Purchase Order No.:

Project Location: TONAWANDA, NY.
Date Received: 4/3/2007
Field Sample # : SW07-SD-01

LIMS-BAT #: LIMT-05011
Job Number: 2700 DC07.01

Sample ID : 07B10606
Sampled : 4/2/2007
NOT SPECIFIED

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	mg/kg dry wt	ND	04/10/07	JB	1.50			
PCB-1221	mg/kg dry wt	ND	04/10/07	JB	1.50			
PCB-1232	mg/kg dry wt	ND	04/10/07	JB	1.50			
PCB-1242	mg/kg dry wt	ND	04/10/07	JB	1.50			
PCB-1248	mg/kg dry wt	6.49	04/10/07	JB	1.50			
PCB-1254	mg/kg dry wt	ND	04/10/07	JB	1.50			
PCB-1260	mg/kg dry wt	ND	04/10/07	JB	1.50			
PCB 1262	mg/kg dry wt	ND	04/10/07	JB	1.50			
PCB 1268	mg/kg dry wt	ND	04/10/07	JB	1.50			
Extraction Date PCBs		4/6/2007	04/10/07	JB				

Field Sample # : SW07-SD-02

Sample ID : 07B10607
Sampled : 4/2/2007
NOT SPECIFIED

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	mg/kg dry wt	ND	04/10/07	JB	1.17			
PCB-1221	mg/kg dry wt	ND	04/10/07	JB	1.17			
PCB-1232	mg/kg dry wt	ND	04/10/07	JB	1.17			
PCB-1242	mg/kg dry wt	ND	04/10/07	JB	1.17			
PCB-1248	mg/kg dry wt	8.48	04/10/07	JB	1.17			
PCB-1254	mg/kg dry wt	ND	04/10/07	JB	1.17			
PCB-1260	mg/kg dry wt	ND	04/10/07	JB	1.17			
PCB 1262	mg/kg dry wt	ND	04/10/07	JB	1.17			
PCB 1268	mg/kg dry wt	ND	04/10/07	JB	1.17			
Extraction Date PCBs		4/6/2007	04/10/07	JB				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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SHAWN GARDNER
ECOLOGY & ENVIRONMENT
368 PLEASANT VIEW
LANCASTER, NY 14086

4/12/2007

Purchase Order No.:

Project Location: TONAWANDA, NY.
Date Received: 4/3/2007
Field Sample # : SW07-SD-03
Sample ID : 07B10608
Sampled : 4/2/2007
NOT SPECIFIED
Sample Matrix: SOLID

LIMS-BAT #: LIMT-05011
Job Number: 2700 DC07.01

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	mg/kg dry wt	ND	04/10/07	JB	1.57			
PCB-1221	mg/kg dry wt	ND	04/10/07	JB	1.57			
PCB-1232	mg/kg dry wt	ND	04/10/07	JB	1.57			
PCB-1242	mg/kg dry wt	ND	04/10/07	JB	1.57			
PCB-1248	mg/kg dry wt	11.7	04/10/07	JB	1.57			
PCB-1254	mg/kg dry wt	ND	04/10/07	JB	1.57			
PCB-1260	mg/kg dry wt	ND	04/10/07	JB	1.57			
PCB 1262	mg/kg dry wt	ND	04/10/07	JB	1.57			
PCB 1268	mg/kg dry wt	ND	04/10/07	JB	1.57			
Extraction Date PCBs		4/6/2007	04/10/07	JB				

Analytical Method:
SW846 8081/8082
SAMPLES ARE EXTRACTED BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), CONCENTRATED, AND ANALYZED BY GAS CHROMATOGRAPHY WITH ELECTRON CAPTURE DETECTION.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

ATTACHMENT 3

Test Pit/Boring Logs, Monitoring Well Construction Reports

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 40"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-1	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Asphalt	3" asphalt pavement 12" asphalt millings
-2-	Native Clay	8" grayish brown silty clay over reddish brown silty clay to bottom
-4-		End of Test Pit at 40"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and millings composited and included in Composite Sample SP-1**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 37"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-2	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	14" dark brown sandy organic top soil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 37"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and top soil composited and included in Composite Sample SP-1**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-3	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	12" brown sandy organic top soil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and top soil composited and included in Composite Sample SP-1**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-4	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	12" brown sandy organic top soil
-2-	Native Clay	Reddish brown silty clay to bottom. 14" of black striations at 18" bgs
-4-		End of Test Pit at 36"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and top soil composited and included in Composite Sample SP-2**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-5	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" dark brown sandy topsoil with asphalt millings 4" asphalt pavement
-2-	Native Clay	10" grayish brown clay overlying reddish brown clay to bottom
-4-		End of Test Pit at 36"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil/millings composited and included in Composite Sample SP-2**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 38"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-6	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	2" highly deteriorated asphalt pavement 8" dark brown sandy topsoil with asphalt millings
-2-	Native Clay	12" grayish brown clay overlying reddish brown clay to bottom
-4-	End of Test Pit at 38"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil/millings composited and included in Composite Sample SP-2**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-7	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	2" deteriorated asphalt pavement 8" dark brown sandy topsoil with asphalt millings
-2-	Native Clay	Reddish brown clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and top soil composited and included in Composite Sample SP-3**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-8	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	18" dark brown sandy organic topsoil
-2-	Native Clay	Reddish brown clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General: **North end of excavation reveled an electric utility line at 32" bgs. Composition of northern perimeter of the test pit was 18" topsoil overlying sandy backfill with some wood debris to bottom of test pit.**

Analytical Samples: **Clay and top soil composited and included in Composite Sample SP-3**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 38"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-9	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	12" dark brown sandy organic topsoil
-2-	Native Clay	Reddish brown clay to bottom
-4-	End of Test Pit at 38"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-3**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-10	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	12" brown sandy topsoil
-2-	Native Clay	Reddish brown clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-4**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 38"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-11	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	12" brown sandy topsoil
-2-	Native Clay	Reddish brown clay to bottom
-4-	End of Test Pit at 38"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-4**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 40"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-12	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0- - -2- - -4- - -6- - -8- - -10- - -12- - -14- - -16-	Cover	2" asphalt pavement 16" asphalt millings
	Native Clay	Reddish brown clay to bottom
	End of Test Pit at 40"	

General:

Analytical Samples: **Clay and millings composited and included in Composite Sample SP-4**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-13	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	2" asphalt pavement 10" asphalt millings
-2-	Native Clay	Reddish brown clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Discreet sample TP-13 collected from asphalt millings (3"-12").**
Clay composited and included in Composite Sample SP-5.

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 39"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-14	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	10" dark brown sandy organic topsoil with some slag and asphalt millings
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 39"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay composited and included in Composite Sample SP-5.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-15	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0- - -2-	Cover	18" black sandy soil and slag
- -4-	Native Clay	Reddish brown silty clay to bottom
- -6- - -8- - -10- - -12- - -14- - -16-	End of Test Pit at 36"	

General:

Analytical Samples: **Discreet sample TP-15 collected from cover material (0"-18").**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-16	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown sandy topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-6.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-17	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown sandy topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-6.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-18	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" brown sandy topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-6.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 38"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-19	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown sandy topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 38"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-7.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-20	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" brown sandy topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-7.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-21	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" brown sandy topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-7.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-22	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" brown sandy topsoil
-2-	Native Clay	Reddish brown silty clay to bottom — slightly moist
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-7.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-23	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Asphalt	3" asphalt pavement 5" asphalt millings
-2-	Native Clay	6" grayish brown silty clay over reddish brown silty clay to bottom
-4-		End of Test Pit at 36"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Millings and clay composited and included in Composite Sample SP-8**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 38"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-24	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Asphalt	2" asphalt pavement 6" asphalt millings
-2-	Native Clay	6" grayish brown silty clay over reddish brown silty clay to bottom
-4-	End of Test Pit at 38"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Millings and clay composited and included in Composite Sample SP-8**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 38"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-25	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Asphalt	3" asphalt pavement 8" asphalt millings
-2-	Native Clay	8" grayish brown silty clay over reddish brown silty clay to bottom
-4-	End of Test Pit at 38"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Millings and clay composited and included in Composite Sample SP-8**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/23/07	**Elevation:**
Date Completed: 7/23/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-26	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Asphalt	2" asphalt pavement 8" asphalt millings
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Millings and clay composited and included in Composite Sample SP-8**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 60"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-27	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0- - -2- - -4- - -6- - -8- - -10- - -12- - -14- - -16-	Cover/Fill	12" brown sandy fill with some slag and brick fragments
		34" regraded clay with some brick, wood and concrete fragments
	Native Clay	Reddish brown clay to bottom (mottling is apparent)
	End of Test Pit at 60"	

General:

Analytical Samples: **0' - 4' composited into sample TP-27.**
Cover/fill (0"-12") composited and included in Composite Sample SP-22.

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 25"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-27.1	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover/Fill	14" brown sand with brick and rock fragments
-2-	Native Clay	Reddish brown clay to bottom (mottling is apparent)
-4-		End of Test Pit at 25"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **No analytical samples collected**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-28	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover/Fill	12" brown sand and clay with some slag
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **All layers composited into sample TP-28.**
Cover/fill composited and included in Composite Sample SP-22.

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-29	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" brown sandy/silty clay
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 36"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **All layers composited into sample TP-29.**
Cover included in Composite Sample SP-22.

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 66"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-30	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover/Fill	2" brown sandy clay topsoil
-		Mixture of sand and clay with brick and concrete fragments
-2-	Native Clay	Gray silty clay (mottling is apparent)
-		
-4-		Grayish and rust colored clay to bottom (mottling is apparent)
-		
-6-		End of Test Pit at 66"
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Collect discreet sample TP-30 from gray clay (22"-40" bgs).**
Cover/fill (0"-22") material composited and included in Composite Sample SP-22.

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 37"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-31	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown sandy clay topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 37"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-9.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 37"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-32	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	3" brown sandy clay topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 37"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-9.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 37"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-33	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" brown sandy clay topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-		End of Test Pit at 37"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-9.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-34	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" brown sandy clay topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 36"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-10.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-35	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" brown sandy clay topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 36"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-10.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-36	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" brown sandy clay topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 36"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-10.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-37	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" brown sandy clay topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 36"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-11.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 37"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-38	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" brown sandy clay topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 37"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-11.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-39	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	5" brown sandy clay topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 36"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-11.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 40"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-40	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown sandy clay topsoil
-	Fill	12" very sandy clay with some plastic bags
-2-	Native Clay	Reddish brown silty clay to bottom
-		
-4-	End of Test Pit at 40"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General: **Fill appeared clean and extremely localized. TP-40.1 advanced immediately north of TP-40 to depth of 18" bgs with no sign of fill material.**

Analytical Samples: **Topsoil, fill and native composited and included in Composite Sample SP-12.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 18"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-40.1	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown sandy clay topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-	End of Test Pit at 18"	
-		
-4-		
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **No sample collected for analytical**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 38"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-41	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown sandy clay topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 38"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-12.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-42	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	3" dark brown organic clayey sand topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-	End of Test Pit at 36"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-12.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-43	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	3" dark brown organic clayey sand topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-	End of Test Pit at 36"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-13.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-44	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	3" dark brown organic clayey sand topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 36"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-13.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-45	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" dark brown organic clayey sand topsoil
-		
-2-	Native Clay	Reddish brown silty clay to bottom
-		
-4-	End of Test Pit at 36"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-13.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-46	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" dark brown sandy organic topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-		End of Test Pit at 36"
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-14.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-47	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	10" dark brown sandy organic topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-	End of Test Pit at 36"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-14.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-48	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" dark brown sandy organic topsoil
-		
-2-	Native Clay	Reddish brown silty clay to bottom
-		
-4-	End of Test Pit at 36"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-14.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-49	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" dark brown sandy organic topsoil
-2-	Native Clay	Reddish brown silty clay with trace gravel to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-15.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-50	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" dark brown sandy organic topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-		End of Test Pit at 36"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-15.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-51	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" dark brown sandy organic topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-15.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-52	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown clayey sand topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-	End of Test Pit at 36"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-16.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-53	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" dark brown sandy organic topsoil
-2-	Native Clay	12" dark brown silty clay Reddish brown silty clay to bottom
-4-		End of Test Pit at 36"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-16.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 38"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-54	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	3" brown clayey sand topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-	End of Test Pit at 38"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-17.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-55	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown clayey sand topsoil
-	Native Clay	Reddish brown silty clay to bottom
-2-		
-		
-4-	End of Test Pit at 36"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-17.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-56	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	5" brown sandy topsoil
-2-	Native Clay	24" dark brown silty clay Reddish brown silty clay to bottom
-4-		End of Test Pit at 36"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-17.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-57	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	3" brown sandy topsoil
-2-	Native Clay	Reddish brown silty clay with traces of pebbles and small gravel to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-18.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 37"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-58	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown sandy topsoil (1/4" thick layer of button ash is visible along the western most edge of excavation at depth of 4" bgs)
-2-	Native Clay	Reddish brown silty clay to bottom
-4-		End of Test Pit at 37"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and topsoil composited and included in Composite Sample SP-18.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 39"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-59	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	2" dark brown sandy organic topsoil 6" brown sandy soil with button ash and some slag
-2-	Native Clay	Reddish brown silty clay to bottom
-4-		End of Test Pit at 39"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Discreet sample TP-59 collected from button ash/slag fill material (2"-8").**
Clay composited and included in Composite Sample SP-18.

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-60	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	4" brown clayey sand topsoil with some pebbles
-2-	Native Clay	8" dark brown silty clay Reddish brown silty clay to bottom
-4-		End of Test Pit at 36"
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-19.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-61	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	6" brown sandy topsoil with some pebbles
-2-	Native Clay	Reddish brown silty clay with trace rocks to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-19.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-62	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	1" brown sandy topsoil with pebbles and small gravel
-		
-2-	Native Clay	Reddish brown silty clay to bottom
-		
-4-	End of Test Pit at 36"	
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-19.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-63	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0- - -2-	Cover	4" brown sandy topsoil with pebbles and small gravel 12" clayey sand fill with small rock fragments
- -4-	Native Clay	8" dark brown silty clay Reddish brown silty clay to bottom
- -6- - -8- - -10- - -12- - -14- - -16-	End of Test Pit at 36"	

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-20.**

Comments:

Excavation PID — 2.7 ppm

Soil Pile PID —1 ppm to 1.6 ppm

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/24/07	**Elevation:**
Date Completed: 7/24/07	**Pit max. depth: 36"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-64	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	12" dark brown clayey sand topsoil
-2-	Native Clay	Reddish brown silty clay to bottom
-4-	End of Test Pit at 36"	
-6-		
-8-		
-10-		
-12-		
-14-		
-16-		

General:

Analytical Samples: **Clay and cover material composited and included in Composite Sample SP-20.**

Comments:

Excavation PID — 1.5 ppm

Soil Pile PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 26"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-65	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover	8" dark brown sandy clay fill with small gravel
-	Fill	8" button ash with some slag
-2-	Native Clay	Reddish brown silty clay to bottom
-		End of Test Pit at 26"
-4-		
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Cover and button ash/slag fill material (0"-16") composited for sample TP-65.**

Comments:

PID– Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 54"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-66	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0- - -2- - -4- - -6- - -8- - -10- - -12- - -14- - -16-	Native Clay	Reddish brown silty clay to bottom
	End of Test Pit at 54"	

General:

Analytical Samples: **No analytical sample collected.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 16"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-66.1	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover Fill Material	10" solidified button ash with some slag
-	Native Clay	Reddish brown silty clay to bottom
-2-	End of Test Pit at 16"	
-		
-4-		
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Button ash/slag material included in Composite Sample SP-21.**

Comments:

PID — Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	**Project #: 07-25-306A**
Client: ECIDA	**Contractor: Nature's Way**
Date Started: 7/25/07	**Elevation:**
Date Completed: 7/25/07	**Pit max. depth: 14"**
Geologist: Jason Colvin	**Operator: Tony**
Pit Number: TP-67	**Approx. water table depth: No water observed**

DESCRIPTION

DEPTH	Soil Unit	
-0-	Cover Fill Material	6" button ash with some slag
-	Native Clay	Reddish brown silty clay to bottom
-2-	End of Test Pit at 14"	
-		
-4-		
-		
-6-		
-		
-8-		
-		
-10-		
-		
-12-		
-		
-14-		
-		
-16-		

General:

Analytical Samples: **Button ash/slag material included in Composite Sample SP-21.**

Comments:

PID — Background Reading

LiRo Engineers, Inc.

BORING NO. 5

PROJECT	SPAULDING FIBRE	SHEET:	
CLIENT	ESIDA	JOB NO:	
BORING CONTRACTOR	BUFFALO DRILLING	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE / TIME / LEVEL / TYPE		DATE STARTED:	10/31/07
		DATE FINISHED:	10/31/07
		DRILLER:	CHARLES INGRAHAM
		GEOLOGIST:	MILES BURNS
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	WOR	0	GRAY		4" CONCRETE		BG	MOIST
								FILL: SAND/GRAVEL			
		2	SS	0/2	1/2						
5		3	SS	0/1	30						WET
						BRN		CLAYEY SILT		24 ppm	
		4	SS	2/2	50			TRACE TO SOME GRAVEL SOFT/WET			
				2/3							
		5	SS	7/12	70			DRY/HARD			DRY
10				13/12							
		6	SS	10/13	85			MOIST SEAM @ 11'			
				12/12							
		7	SS	6/10	50			DRY HARD			
				14/19							
15		8	SS	19/19	90						
				19/24							
								BORING TERMINATED @ 16' BGS			
20											
25											
30											
								ANALYTICAL SAMPLES @ 6'-8' & 10'-11'			
35											

COMMENTS: HSA RIG

PROJECT NO.: _____ **BORING NO.:** 5

LiRo Engineers, Inc.

BORING NO. 10

PROJECT	SPAULDING FIBRE
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/31/07
DATE FINISHED:	10/31/07
DRILLER:	CHARLES WARNER
GEOLOGIST:	MIKE BYRNS
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	0 1 / 2 3	2	GRY		4" CONCRETE FILL: SAND GRAVEL		ND	DRY
		2	SS	5 5 / 6 10	30	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML		
5		3	SS	6 7 / 8 8	50						
		4	SS	6 8 / 9 9	90						
		5	SS	7 9 / 15 13	65						
10		6	SS	23 15 / 23 25	95						
		7	SS	7 11 / 14 20	100						
15		8	SS	19 23 / 29 32	60						
								BORING TERMINATED @ 16' BGS.			
20											
25											
30								ANALYTICAL SAMPLES 4'-6' & 8'-12'			
35											

COMMENTS: HSA RIG

PROJECT NO.: _____ **BORING NO.:** 10

LiRo Engineers, Inc.

BORING NO. 11

PROJECT	SPAULDING RAGS	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	
BORING CONTRACTOR	BURTALO DRILLING	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE / **TIME** / **LEVEL** / **TYPE**		**DATE STARTED:**	11/12/07
		DATE FINISHED:	11/12/07
		DRILLER:	JEFF HUSBAND
		GEOLOGIST:	MIKE BYRNE
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		JH		
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
						GRY/WHITE		5" SLAB SAND/GRAVEL FILL		0.2ppm	DRY
		1	SS		5						
5		2	SS		0					ND	
		3	SS		35	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML	3ppm	
		4	SS		10					2ppm	
10		5	SS		100					14ppm	
		6	SS		20			MOIST		5ppm	
		7	SS		100					25ppm	
15								BORING TERMINATED @ 15' BGS			
20											
25											
30								ANALYTICAL SAMPLES @ 5'-7' & 13'-15'			
35											

COMMENTS: JACKHAMMER RIG w/ AUGERS

PROJECT NO. : _____ **BORING NO. :** 11

LiRo Engineers, Inc.

BORING NO. 12

PROJECT	SPAULDING FIBER
CLIENT	ECIDA
BORING CONTRACTOR	BURTON DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL				

* POCKET PENETROMETER READING

SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/12/07
DATE FINISHED:	11/12/07
DRILLER:	JOE HUBERT
GEOLOGIST:	MIKE BURNS
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
								6" SLAB			
								6' VOID SPACE			
5											
		1	SS		50	BRN		CLAYEY SILT	ML	ND	
								TRACE TO SOME			MOIST
10		2	SS		60			GRAVEL			WET
		3	SS		0					3 ppm	
		4	SS		15						
15		5	SS		80					1010 ppm	
		6	SS		55					800 ppm	
		7	SS		0					50 ppm	
20											
25											
30								ANALYTICAL SAMPLES @ 6'-8' & 14'-16'			
35											

COMMENTS: JACKHAMMER RIG w/ AUGERS

PROJECT NO.: _____ **BORING NO.:** 12

LiRo Engineers, Inc.

BORING NO. 16

PROJECT	SPAULDING FIBRE
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/31/07
DATE FINISHED:	10/31/07
DRILLER:	CHARLES WIGNALL
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	0 6 / 7 4	70	GRY / BLK		6" CONCRETE FILL : ANGULAR SAND		ND	DRY
		2	SS	5 13 / 25 30	50						
5		3	SS	3 8 / 11 12	35						
		4	SS	13 25 / 27 28	60	BRN		CLAYEY SILT TRACE TO SOME GRAVEL + SANDY SEAMS	ML		
		5	SS	6 8 / 11 10	90			@ 8'-9'			MOIST
10		6	SS	10 9 / 11 10	100			10'-11'			MOIST
		7	SS	3 6 / 11 11				14'-16'			
15		7			50						MOIST
		8	SS	11 12 / 16 16	30						
		9	SS	6 9 / 9 11	70						
20								BORING TERMINATED @ 20' BGS			
25											
30								ANALYTICAL SAMPLES 2'-3' & 14'-16'			
35											

COMMENTS: HSA RIG

WELL INSTALLED : SCREEN 10'-20' SAND 9'-20' BENTONITE 1'-9'

PROJECT NO. : _____ **BORING NO. :** 16

LiRo Engineers, Inc.

BORING NO. 20

PROJECT	SPAULDING FIBRE
CLIENT	ECIDA
BORING CONTRACTOR	BURGARD DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	
DATE FINISHED:	
DRILLER:	
GEOLOGIST:	
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	0 2 / 2 3	10	GRY		4" CONCRETE FILL: SAND/GRAVEL		ND	DRY
		2	SS	3 4 / 3 3	25	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML		
5		3	SS	2 3 / 3 4	10						
		4	SS	6 9 / 11 13	60						
		5	SS	6 15 / 25 25	65						
10		6	SS	25 28 / 32 20	25						
15		7	SS	20 15 / 18 22	20						
								BORING TERMINATED @ 16' BGS			
20											
25											
30								ANALYTICAL SAMPLES: 6' TO 7'			
35											

COMMENTS: HSA RIG

PROJECT NO.: _____ **BORING NO.:** 20

LiRo Engineers, Inc.

BORING NO. 21

PROJECT	SPAULDING FIBERS	SHEET:	
CLIENT	ECIDA	JOB NO:	
BORING CONTRACTOR	BUFFALO DRILLING	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE / TIME / LEVEL / TYPE		DATE STARTED:	4/12/07
		DATE FINISHED:	4/12/07
		DRILLER:	JEFF HUBERT
		GEOLOGIST:	MIKE BYRNE
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID / moisture
						GRY/BRN		6" SLAB		
		1	SS		5			FILL: GRAVELLY SAND		5 ppm
		2	SS		60	BRN				3 ppm
5								CLAYEY SILT	ML	
		3	SS		60			TRACE TO SOME GRAVEL - BLACK STAINED AT INTERVALS		3 ppm
		4	SS		75					1 ppm
10		5	SS		50					0.5 ppm
		6	SS		0					1 ppm
		7	SS		100					1 ppm
15										
								BORING TERMINATED @ 15' BGS		
20										
25										
30								ANALYTICAL SAMPLES @ 3'-5' & 13'-15'		
35										

COMMENTS: JACK HAMMER RIG W/ AUGERS

PROJECT NO.: _____ **BORING NO.:** 21

LiRo Engineers, Inc.

BORING NO. 24

PROJECT	SPAULDING FIBRE	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	
BORING CONTRACTOR	BUFFALO DRILLING	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE STARTED:	11/13/07		
DATE FINISHED:	11/13/07		
DRILLER:	CHARLES WARNER		
GEOLOGIST:	MIKE BYRNE		
REVIEWED BY:			

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		SS		
				DIA.		2"		
				WT.		WH		
				FALL				
				* POCKET PENETROMETER READING				

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
								8" SLAB		ND	DRY
								4' VOID SPACE			
5											
						GRN/		10" SLAB			
		1	SS		2	BLUE		FILL: GREEN/BLUE CLAY			
		2	SS		75	BRN		CLAYEY SILT	ML		
10		3	SS		50			TRACE TO SOME GRAVEL			
15		4	SS		100						
								BORING TERMINATED @ 15' BGS			
20											
25											
30								ANALYTICAL SAMPLES @ 7-9' & 11'-13'			
35											

COMMENTS: JACKHAMMER RIG W/ AUGERS

PROJECT NO. : _____ **BORING NO. :** 24

LiRo Engineers, Inc.

BORING NO. 25

PROJECT	SPAULDING RIDGE								**SHEET:**	
CLIENT	ECNA								**JOB NO:**	
BORING CONTRACTOR	BURRALO DRILLING								**BORING LOCATION:**	
GROUNDWATER					CAS.	SAMPLER	CORE	TUBE	**GROUND ELEVATION:**	
DATE	**TIME**	**LEVEL**	**TYPE**	TYPE		SS			**DATE STARTED:**	11/13/07
				DIA.		2"			**DATE FINISHED:**	11/13/07
				WT.		JH			**DRILLER:**	CHARLES INSAVIO
				FALL					**GEOLOGIST:**	MIKE BRUNS
				* POCKET PENETROMETER READING					**REVIEWED BY:**	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
								8" SLAB			
								7' VOID SPACE			
5											
		1	SS		5	BRN		FILL: CLAY/SAND MATERIAL		ND	DRY
10		2	SS		5						
		3	SS		75			CLAYEY SILT TRACE TO SOME GRAVEL	ML		
15		4	SS		85						
		5	SS		100						
20		6	SS		10						
								BORING TERMINATED @ 20' BGS			
25											
30								ANALYTICAL SAMPLES @ 7'-9' & 11'-13'			
35											

COMMENTS: JACK HAMMER RIG W/ AUGER

PROJECT NO. : _____ **BORING NO. :** 25

LiRo Engineers, Inc.

BORING NO. 28

PROJECT	SPAULDING FIBER
CLIENT	ISCIDA
BORING CONTRACTOR	BURBANK DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/1/07
DATE FINISHED:	11/1/07
DRILLER:	CHARLES LOMANNO
GEOLOGIST:	MIKE BURNS
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	0 2 / 5 5	15	GRY BLK		3" CONCRETE - FILL - ANGULAR SAND		ND	DRY
		2	SS	16 25 / 7 30	20	↓		↓			
5		3	SS	2 2 / 3 3	15	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML		
		4	SS	7 13 / 5 7	25						
		5	SS	3 4 / 4 3	30						
10		6	SS	6 8 / 13 15	75						
								BORING TERMINATED @ 12'			
15											
20											
25											
30								ANALYTICAL SAMPLES 2'-4', 4'-6', 8'-12'			
35											

COMMENTS: HSA RIG

PROJECT NO. : _____ **BORING NO. :** 28

LiRo Engineers, Inc.

BORING NO. 28.1

PROJECT	SPAULDING FIBRE
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/1/07
DATE FINISHED:	11/1/07
DRILLER:	CHARLES WEAVER
GEOLOGIST:	MIKE BYRNS
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	4 5 / 9 14	20	BLK		8" SLAB ANGULAR SAND		ND	DRY
		2	SS	15 25 / 16 9	30						
5								BORING TERMINATED @ 4' BGS			
10											
15											
20											
25											
30								NO ANALYSIS			
35											

COMMENTS:

PROJECT NO.:

BORING NO.: 28.1

LiRo Engineers, Inc.

BORING NO. 30

PROJECT	SPAULDING FIBRE	SHEET:	
CLIENT	ECIDA	JOB NO:	
BORING CONTRACTOR	BUFFALO DRILLING	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE / TIME / LEVEL / TYPE		DATE STARTED:	11/1/07
		DATE FINISHED:	11/7/07
		DRILLER:	CHARLES WEAVER
		GEOLOGIST:	MIKE BYRNE
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY ROD %	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	moisture
		1	SS	- 6 / 24 18	20	BLK		4" SLAB ANGULAR SAND		ND	DRY
		2	SS	18 11 / 11 9	50						
5		3	SS	2 3 / 3 2	60						
		4	SS	3 4 / 11 19	70	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML		MOIST / DRY
10		5	SS	5 9 / 15 14	70						
		6	SS	10 14 / 18 17	75						
		7	SS	8 11 / 15 16	80						
15		8	SS	23 26	100						
								BORING TERMINATED @ 15' BGS			
20											
25											
30								ANALYTICAL SAMPLES @ 2'-4' & 6'-8'			
35											

COMMENTS: HSA RIG

PROJECT NO.: _____ BORING NO.: 30

LiRo Engineers, Inc.

BORING NO. 32

PROJECT	SPAULDING RIBBB
CLIENT	FCIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/2/07
DATE FINISHED:	11/2/07
DRILLER:	CHARLES WINANTOR
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
								5" SLAB ↑ 6' VOID SPACE ↓ 4" SLAB ?			
		1	SS	6 4 / 4 5	30	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML	ND	MOIST
10		2	SS	7 11 / 14 11	60						DRY
15											
20											
25											
30								ANALYTICAL SAMPLE @ 7-9'			
35											

COMMENTS: HSA RIG

PROJECT NO.: _____ **BORING NO.:** 32

LiRo Engineers, Inc.

BORING NO. 33

PROJECT	SPAULDING FIBRE
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/1/07
DATE FINISHED:	11/1/07
DRILLER:	CHARLES WEAVER
GEOLOGIST:	MIKE BURNS
REVIEWED BY:	

GROUNDWATER					CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		SS		
				DIA.		2"		
				WT.		140#		
				FALL		30"		
				* POCKET PENETROMETER READING				

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
								6" SLAB			
								9' VOID SPACE			
5								WITH 7' WATER			
10								BORING TERMINATED @ 9' BGS - REFUSAL ON HARD SMOOTH SURFACE			
15											
20											
25											
30								NO SAMPLES			
35											

COMMENTS: HSA RIG - SB-33.1 WAS ADVANCED 20 FT N & FT E OF SB-33-5 AND CONDITIONS FOUND

PROJECT NO. : _____ **BORING NO. :** 33

LiRo Engineers, Inc.

BORING NO. 35

PROJECT	SPAULDING FIBER
CLIENT	FEDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/2/07
DATE FINISHED:	11/2/07
DRILLER:	CHARLES WALKER
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	3 2 / 2 3	5	GRY BRN BLK		6" SLAB FILL: SAND/GRAVEL W/ BLACK STAINED BRN CLAYEY SILT		ND	DRY
		2	SS	2 3 / 4 4	5						
5		3	SS	4 8 / 5 3	35						WET
		4	SS	12 4 / 7 10	25						DRY
		5	SS	12 17 / 14 21	40	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML		
10		6	SS	10 10 / 14 19	60						
		7	SS	15 27 / 30 32	70						
15		8	SS	16 22 / 24 28	100						
20											
25											
30								ANALYTICAL SAMPLES @ 4'-6' & 10'-12'			
35											

COMMENTS: HSA RIG

PROJECT NO.: _____ **BORING NO.:** 35

LiRo Engineers, Inc.

BORING NO. 36

PROJECT	SOUNDING RODS
CLIENT	ECHOA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/15/07
DATE FINISHED:	11/15/07
DRILLER:	JEFF HUBBARD
GEOLOGIST:	MIKE BYRNS
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		5#		
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		40	BRN		4" SLAB CLAYEY SILT TRACE TO SOME GRAVEL	ML	ND	DRY
		2	SS		100						
5		3	SS		100						
								BORING TERMINATED @ 6' BGS.			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 0'-2' & 2'-4'			
35											

COMMENTS: JACKHAMMER RIG

PROJECT NO.:

BORING NO.: SB-36

LiRo Engineers, Inc.

BORING NO. 37

PROJECT	SPAULDING FIBRE
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/6/07
DATE FINISHED:	11/6/07
DRILLER:	TOM HUBBARD
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		VH		
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS			GRY		4" SLAB 14" FILL - GRAVEL		BG	DRY
						BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML		
		2	SS								
5		3	SS								
								BORING TERMINATED @ 6' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 1'-2' & 2'-3'			
35											

COMMENTS: JACK HAMMER R15

PROJECT NO.: _____ **BORING NO.:** 37

LiRo Engineers, Inc.

BORING NO. 39

PROJECT	SPALDING RIBS
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/7/05
DATE FINISHED:	11/7/05
DRILLER:	JEFF HUBBELL
GEOLOGIST:	MIKE BURNS
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		3S		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION: COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS: PID	REMARKS: moisture
		1	SS		35	BRN		4" SLAB		ND	DRY
								CLAYEY SILT	ML		
		2	SS		80			TRACE TO SOME GRAVEL			
5		3	SS		100						
								BORING TERMINATED @ 6' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 1'-2' & 2'-3'			
35											

COMMENTS: JACKHAMMER RIG

PROJECT NO.: _____ **BORING NO.:** 39

LiRo Engineers, Inc.

BORING NO. 40.

PROJECT	SPAULDING FIBRE	SHEET:	
CLIENT	ECIDA	JOB NO:	
BORING CONTRACTOR	BUFFALO DRILLING	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		SS		
				DIA.		2"		
				WT.		JH		
				FALL				

* POCKET PENETROMETER READING

DATE STARTED:	11/6/07
DATE FINISHED:	11/6/07
DRILLER:	JEFF HOBART
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		25	BRN		4" SLAB 3" GRAVEL CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	WET
		2	SS		40						
5		3	SS		45						
								BORING TERMINATED @ 6' BGS.			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 1'-2' & 2'-3'			
35											

COMMENTS: JACK HAMMER RIG

PROJECT NO.: _____ BORING NO.: 40

LiRo Engineers, Inc.

BORING NO. 41

PROJECT	SPAULDING FIBRE	SHEET:	
CLIENT	ECIDA	JOB NO:	
BORING CONTRACTOR	BUFFALO DRILLING	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE / TIME / LEVEL / TYPE		DATE STARTED:	11/6/07
		DATE FINISHED:	11/6/07
		DRILLER:	JERR HUBERT
		GEOLOGIST:	MIKE BYRNE
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		JH		
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	moisture
		1	SS		40	BRN		5" SLAB	ML	20 ppm	WET
		2	SS		60			CLAYEY SILT TRACE TO SOME GRAVEL		30 ppm	DRY
5		3	SS		80					30 ppm	
		4	SS		100					25 ppm	
10								BORING TERMINATED @ 8' BGS		182 ppm HEADSPACE 6'-8'	
15											
20											
25											
30											
35											

COMMENTS: JACKHAMMER RIG

PROJECT NO.: _____ BORING NO.: 41

LiRo Engineers, Inc.

BORING NO. 42

PROJECT	SPAULDING FIBRE	SHEET:	
CLIENT	ECIDA	JOB NO:	
BORING CONTRACTOR	BUFFALO DRILLING	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE / TIME / LEVEL / TYPE		DATE STARTED:	
		DATE FINISHED:	
		DRILLER:	
		GEOLOGIST:	
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		JH		
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		40	BRN		5" SLAB CLAYEY SILT TRACE TO SOME GRAVEL	ML	ND	DRY
		2	SS		85	↓		↓		↓	↓
5								BORING TERMINATED @ 4' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 1'-2' & 3'-4'			
35											

COMMENTS: JACK HAMMER RIG

PROJECT NO.: _____ BORING NO.: 42

LiRo Engineers, Inc.

BORING NO. 43

PROJECT	SPAULDING FIBERS	SHEET:	
CLIENT	ESTODA	JOB NO:	
BORING CONTRACTOR	BUFFALO DRILLING	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE / TIME / LEVEL / TYPE		DATE STARTED:	11/7/07
		DATE FINISHED:	11/8/07
		DRILLER:	CHARLES WEAVER
		GEOLOGIST:	MIKE BYRNE
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
0								7" SLAB			
								12' VOID SPACE			
5								(BASEMENT)			
10											
15		1	SS	3 3 / 5 9	35	BRN		6" SLAB		ND	DRY
		2	SS	10 14 / 15 19	90			CLAYEY SILT	ML		
		3	SS	8 10 / 14 14	90			TRACE TO SOME GRAVEL			
20		4	SS	10 12 / 12 15	90						
		5	SS	9 10 / 12 12	50						
		6	SS	11 14 / 15 17	30						
25		7	SS	15 19 / 21 19	50						
		8	SS	12 11 / 14 14	70						
30								BORING TERMINATED @ 29' BGS			
								ANALYTICAL SAMPLE @ 13'-15'			
35											

COMMENTS: HSA RIG

TWELL INSTALLED - 12.5' TO 18.0' RISER 18'-28' SCREEN

PROJECT NO.: _____ **BORING NO.:** 43

LiRo Engineers, Inc.

BORING NO. 49

PROJECT	SPAULDING FIBER
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	LAB BASEMENT
GROUND ELEVATION:	
DATE STARTED:	10/23/07
DATE FINISHED:	10/23/07
DRILLER:	CHARLES WARNER
GEOLOGIST:	ERIK BYRNE
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		SS		
				DIA.		2"		
				WT.		140		
				FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID / moisture
		1	SS		10%	GRY		1' SLAB/SUBSLAB		
		2	SS		35%	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	FILL	
5		3	SS		45%	↓		↓		
								BORING TERMINATED @ 6' BGS.		
10										
15										
20										
25								ANALYTICAL SAMPLES @ 0-2' AND 2'-4'		
30										
35										

COMMENTS: JACK HAMMER R15

PROJECT NO.: _____ **BORING NO.:** 49

LiRo Engineers, Inc.

BORING NO. 50

PROJECT	SPAULDING RAGS
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	LAB BASEMENT
GROUND ELEVATION:	
DATE STARTED:	10/23/07
DATE FINISHED:	10/23/07
DRILLER:	CHARLES WARNER
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		SS		
				DIA.		2"		
				WT.		JTH		
				FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		15	GRY		10" SLABS (2 SLABS)		ND	DRY
		2	SS		45	BRN		CLAYEY SILT TRACE TO SOME GRAVEL			
5								BORING TERMINATED @ 4' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 0-2' & 2-4'			
35											

COMMENTS: JACK HAMMER RIG

PROJECT NO.: _____ **BORING NO.:** 50

LiRo Engineers, Inc.

BORING NO. 51

PROJECT	SIDEWALK RIBS
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/9/07
DATE FINISHED:	11/9/07
DRILLER:	DON RIMBACK
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION: COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS: PID	REMARKS: moisture
5		1	SS	6 9 / 10 10	50	BLK/BRN		5" SLAB FILL: ANGULAR SAND		ND	DRY
		2	SS	10 9 / 6 6	50					5 ppm	
10		3	SS	3 2 / 2 4	70	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML	5 ppm	
		4	SS	6 19 / 20 28	80					5 ppm	
		5	SS	6 5 / 12 14	40					6 ppm	
		6	SS	21 29 / 25 18	90					40 ppm	
15		7	SS	15 15 / 16 16	90					40 ppm	
20								BORING TERMINATED @ 15' BGS.			
25											
30								ANALYTICAL SAMPLES @ 3-5' & 5-7'			
35											

COMMENTS: HSA RIG

PROJECT NO.: _____ **BORING NO.:** 51

LiRo Engineers, Inc.

BORING NO. 52

PROJECT	SPAULDING FIBER
CLIENT	ECDA
BORING CONTRACTOR	BORING CONTRACTOR
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/9/07
DATE FINISHED:	11/9/07
DRILLER:	DON RIMBECK
GEOLOGIST:	MIKE BYRNS
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		SS		
				DIA.		2"		
				WT.		140		
				FALL				
				* POCKET PENETROMETER READING				

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
						BRN/GRY		5" SLAB		ND	DRY
		1	SS		60			FILL: GRAVELLY, SAND			
5		2	SS		15					20ppm	
		3	SS		80	BRN		CLAYEY SILT TRACES TO SOME GRAVEL	ML	400ppm	
		4	SS		10					80ppm	
10		5	SS		100			SOFT/MOIST		1000ppm	
		6	SS		100					1400ppm	
		7	SS		100						
15								BORING TERMINATED @ 15' BGS			
20											
25											
30								ANALYTICAL SAMPLES @ 5'-7' & 13'-15'			
35											

COMMENTS: JACKHAMMER RIG

PROJECT NO.: _____ **BORING NO.:** 52

LiRo Engineers, Inc.

BORING NO. 52.1

PROJECT	SPANDING RIVER
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/14/07
DATE FINISHED:	11/14/07
DRILLER:	JEFF AUBUCHON
GEOLOGIST:	MILES BARNES
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID / moisture
						BRN		5" SLAB		DRY
		1	SS		30			FILL: SAND/GRAVEL		333ppm HS
5		2	SS		0					5ppm
		3	SS		0			WET		3ppm
		4	SS		0			CLAYEY SILT	ML	220ppm HS
10		5	SS		30			TRACE TO SOME		350ppm HS
		6	SS		100			GRAVEL		300 HS
15		7	SS		70					800 HS
		8	SS		5					120 HS
20		9	SS		100					550 HS
								BORING TERMINATED @ 21' BGS		
25										
								ANALYTICAL SAMPLES @ 1'-3' & 19'-21'		
30										
35										

COMMENTS: JACKHAMMER RIG W/ AUGERS

PROJECT NO.: _____ **BORING NO.:** 52.1

LiRo Engineers, Inc.

BORING NO. 53

PROJECT	SPAULDING RODS
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/23/07
DATE FINISHED:	10/23/07
DRILLER:	CHARLES WORLEY
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		10	GRY		FILL - SAND/GRAVEL		BG	DA
		2	SS		15%	BRN					
5		3	SS		50%			SLIGHTLY SILT TRACE TO SOME GRAVEL	ML		
								BORING TERMINATED @ 6' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 0-4' & 4'-6'			
35											

COMMENTS: JACK HAMMER R15

PROJECT NO. : _____ **BORING NO. :** 53

LiRo Engineers, Inc.

BORING NO. 54

PROJECT	SPAULDING FIBRE
CLIENT	ECIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

SHEET:
JOB NO:
BORING LOCATION:
GROUND ELEVATION:
DATE STARTED: 11/9/07
DATE FINISHED: 11/9/07
DRILLER: DON RIMBECK
GEOLOGIST: MIKE BYRNE
REVIEWED BY:

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
						GRY/ BRN		6" SLAB FILL: GRAVELLY SAND		ND	DRY
		1	SS	36 36 36 13	50						WET
		2	SS	18 20 13 13	50						
5		3	SS	20 10 3	20			SLAB @ 5'-9"			
		4	SS	29 100/5	10			SLAB @ 8'-0"			
10		5	SS	100/5	30					1300ppm	
		6	SS	35 9 13 26	40	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML	300ppm	
		7	SS	9 15 19 25	100						
15								BORING TERMINATED @ 15' BGS			
20											
25											
30								ANALYTICAL SAMPLES @ 3'-5', 9'-11' & 11'-15'			
35											

COMMENTS: HSA RIG

PROJECT NO. : _____ **BORING NO. :** 54

LiRo Engineers, Inc.

BORING NO. 55

PROJECT	SPAULDING FIBRE	SHEET:	
CLIENT	ECIDA	JOB NO:	
BORING CONTRACTOR	BUFFALO DRILLING	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE / TIME / LEVEL / TYPE		DATE STARTED:	10/22/07
		DATE FINISHED:	10/22/07
		DRILLER:	CHARLES WEAVER
		GEOLOGIST:	MIKE BYRNE
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		JH		
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		75%	BRN	5" CONC	SAND/GRAVEL FILL		ND	DRY
		2	SS		10%	BRN/BLK		CLAY/ORGANICS TRACE TO SOME GRAVEL	ML/OL		
5		3	SS		25%						
								BORING TERMINATED @ 6' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 0-2' & 4'-6'			
35											

COMMENTS: JACK HAMMER DRILL RIG SETUP

PROJECT NO. : _____ **BORING NO. :** 55

LiRo Engineers, Inc.

BORING NO. 57

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE	**TIME** / **LEVEL** / **TYPE**	**DATE STARTED:**	10/26/07
		DATE FINISHED:	10/26/07
		DRILLER:	LARRY SCHROEDER
		GEOLOGIST:	Mike Byrne
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID / moisture
		1	SS	5 / 6 / 14	5			6" CONCRETE SLAB FILL - BLUE, ORANGE YELLOW GRAVELLY SAND		0 ppm
		2	SS	20 / 29 / 22 / 18	35					
5		3	SS	4 / 4 / 5 / 6	35	BROWN		CLAYEY SILT SOME GRAVEL	ML	
		4	SS	13 / 10 / 18 / 19	85					
		5	SS	7 / 11 / 16 / 18	60					36 ppm
10		6	SS	20 / 25 / 30 / 38	90					20 ppm
		7	SS	6 / 10 / 16 / 16	90			MOIST SEAMS FROM 12' TO 16' BGS		36 ppm
15		8	SS	7 / 9 / 9 / 16	90					30 ppm
		9	SS	17 / 19 / 18 / 15	90					5 ppm
20		10	SS	9 / 12 / 15 / 12	70					2 ppm
								BORING TERMINATED @ 20' BGS		
25										
30								ANALYTICAL SAMPLES COLLECTED FROM 2'-4', 4'-6', 9'-11' & 18'-20'		
35										

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO. : 0725306A **BORING NO. :** 57

LiRo Engineers, Inc.

BORING NO. 58

PROJECT	Spaulding Fibre	SHEET:	
CLIENT	ECIDA	JOB NO:	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE / TIME / LEVEL / TYPE		DATE STARTED:	10/26/07
TYPE	SS	DATE FINISHED:	10/26/07
DIA.	2"	DRILLER:	LARRY SCHRODEN
WT.	140#	GEOLOGIST:	Mike Byrne
FALL	30"	REVIEWED BY:	

CAS. | SAMPLER | CORE | TUBE

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID / moisture
		1	SS	6 7 / 7 9	30	RED GRAY		FILL - CONSTRUCTION/ DEMOLITION DEBRIS		0 ppm
		2	SS	6 10 / 50/4	10			CONCRETE SLAB AT 3.5'		0 ppm WET @ 4'
5		3	SS	15 19 / 30 50/1	40	BLACK		FILL - SANDY, GRAVELLY MATRIX		60 ppm
		4	SS	65 33 / 40 44	60					64 ppm
10		5	SS	8 5 / 60/1	15					70 ppm
		6	SS	7 9 / 11 17	20	BROWN		DRY CLAYEY SILT, TRACE TO SOME GRAVEL	ML	0 ppm
		7	SS	8 9 / 10 17	100					0 ppm
15								BORING TERMINATED @ 14' BGS		
20										
25										
30								ANALYTICAL SAMPLES COLLECTED AT 0-2', 4-6', AND 13-14'		
35										

COMMENTS: BORING ADVANCED USING 4 1/4 HSA FROM A TRUCK-MOUNTED CME 550 DRILL RIG

PROJECT NO.: 0725306A BORING NO.: 58

LiRo Engineers, Inc.

BORING NO. 58.1

PROJECT	Spaulding Fibre	SHEET:	
CLIENT	ECIDA	JOB NO:	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	BORING LOCATION:	
GROUNDWATER		GROUND ELEVATION:	
DATE STARTED:	10/26/07		
DATE FINISHED:	10/26/07		
DRILLER:	LARRY SCHRADER		
GEOLOGIST:	Mike Byrne		
REVIEWED BY:			

GROUNDWATER DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		SS		
				DIA.		2"		
				WT.		140#		
				FALL		30"		
				* POCKET PENETROMETER READING				

DEPTH	STRATA	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY ROD %	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID / moisture
0		1	SS	4 7 / 17 25/2	20	BLACK/ GRAY		FILL - SANDY MATRIX		0 ppm
		2	SS	55 11 / 13 9	85					WET @ 4'
5		3	SS	4 3 / 3 2	60	BROWN		CLAYEY SILT - TRACE TO SOME GRAVEL - BLACK STAINING FROM 4' TO 7'	ML	
		4	SS	2 7 / 4 4	25					
10		5	SS	2 2 / 2 3	30					DRY @ 11'
		6	SS	2 5 / 10 17	100					
		7	SS	8 10 / 12 14	100					
15								BORING TERMINATED @ 14' BGS.		
20										
25										
30								ANALYTICAL SAMPLES COLLECTED @ 2'-4' AND 11'-12'.		
35										

COMMENTS: BORING ADVANCED USING 4 1/4" HSA FROM A TRUCK-MOUNTED CME 550 DRILL RIG

PROJECT NO.: 0725306A **BORING NO.:** 58.1

LiRo Engineers, Inc.

BORING NO. MW-59

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE STARTED:	10/26/07		
DATE FINISHED:	10/26/07		
DRILLER:	LARRY SCHROEDER		
GEOLOGIST:	Mike Byrne		
REVIEWED BY:			

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		SS		
				DIA.		2"		
				WT.		140		
				FALL		30"		
				* POCKET PENETROMETER READING				

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	1 1 / 1 1	2	BLACK/ GRAY		FILL: SLAG MATRIX GRADING TO A BLACK SAND			
		2	SS	7 4 / 3 4	15						WET @ 4'
5		3	SS	4 5 / 6 7	100	BROWN		CLAYEY SILT, TRACE TO SOME GRAVEL - BLACK STAINED 4'-5'			DRY @ 5'
		4	SS	12 12 / 15 22	100						
10								BORING TERMINATED @ 8' BGS			
15											
20											
25											
30								ANALYTICAL SAMPLE COLLECTED 4'-5'			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.
2" PVC WELL SET TO 8' WITH 5' SCREEN AND 5' SAND

PROJECT NO. : 0725306A **BORING NO. :** 59

LiRo Engineers, Inc.

BORING NO. MW-59.1

PROJECT	SPAULDING FIBRE
CLIENT	ECIDA
BORING CONTRACTOR	BURNS DRILLING
GROUNDWATER	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	11/5/07
DATE FINISHED:	11/5/07
DRILLER:	CHARLES WISAVAGE
GEOLOGIST:	MIKE BURNS
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
								FOR DESCRIPTION OF 0-8' SEE SB-59			
5											
10		1	SS	8 12 / 20 22	40	BRN		CLAYEY SILT TRACE TO SOME GRAVEL - MOIST SEAMS AT 13' AND 14'	ML	ND	DRY
		2	SS	26 36 / 35 48	55						
		3	SS	5 10 / 12 10	60						
15		4	SS	5 7 / 9 10	45						
		5	SS	13 18 / 17 19	70						
20		6	SS	8 10 / 14 14	75						
								BORING TERMINATED @ 20' BGS			
25											
30								ANALYTICAL SAMPLES @ 8' TO 10'			
35											

COMMENTS: NSA RIG

PROJECT NO.:

BORING NO.: MW-59.1

LiRo Engineers, Inc.

BORING NO. 62

PROJECT	SPAULDING FIBRE
CLIENT	FCIDA
BORING CONTRACTOR	BURNS DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		3TH		
FALL				

* POCKET PENETROMETER READING

SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/22/07
DATE FINISHED:	10/22/07
DRILLER:	CHARLIE VANDAMME
GEOLOGIST:	MIKE BURNS
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		10%	BRN		5" CONCRETE GRAVEL / #2 STONE (FILL)		3ppm	DRY
		2	SS		10%					2ppm	
5		3	SS		5%					6ppm	
								BORING TERMINATED AT 5.5' - REFUSAL			
10											
15											
20											
25											
30								ANALYTICAL SAMPLE @ 0-5.5'			
35											

COMMENTS: JACK HAMMER R15

PROJECT NO.: SPAULDING F.BRE **BORING NO.:** 62

LiRo Engineers, Inc.

BORING NO. 62.1

PROJECT	SPAULDING FIBRE								**SHEET:**
CLIENT	ECDA								**JOB NO:**
BORING CONTRACTOR	BUFFALO DRILLING								**BORING LOCATION:**
GROUNDWATER					CAS.	SAMPLER	CORE	TUBE	**GROUND ELEVATION:**
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		SS			**DATE STARTED:** 10/22/07
				DIA.		2"			**DATE FINISHED:** 10/22/07
				WT.		JH			**DRILLER:** CHARLES WILLIAMS
				FALL					**GEOLOGIST:** MIKE BYRNE
				* POCKET PENETROMETER READING					**REVIEWED BY:**

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		30	BRN		5" CONCRETE		ND	DRY
		2	SS		30			FILL - GRAVEL/STONE			
5		3	SS		35						
								BORING TERMINATED AT 6' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLE @ 4'-6'			
35											

COMMENTS: JACK HAMMER RIG

PROJECT NO.: SPAULDING FIBRE **BORING NO.:** 62.1

LiRo Engineers, Inc.

BORING NO. 62.2

PROJECT	SPAULDING RIBBS
CLIENT	ESCIA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	
DATE / TIME / LEVEL / TYPE	
SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/23/07
DATE FINISHED:	10/23/07
DRILLER:	CHARLES HAMMOR
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		60	BLK		GOOD CONCRETE FILL - SAND / GRAVEL		ND	DRY
		2	SS		50	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML		
5		3	SS		80	↓		↓		↓	↓
								BORING TERMINATED AT 6' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES @ 2'-4' & 4-6'			
35											

COMMENTS: JACKHAMMER RIG

PROJECT NO.: _____ **BORING NO.:** 62.2

LiRo Engineers, Inc.

BORING NO. 623

PROJECT	SPAULDING FIBRES
CLIENT	FCIDA
BORING CONTRACTOR	BUFFALO DRILLING
GROUNDWATER	

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		JH		
FALL				

* POCKET PENETROMETER READING

SHEET:	
JOB NO:	
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/23/07
DATE FINISHED:	10/23/07
DRILLER:	CHARLES WISNIOR
GEOLOGIST:	MIKE BYRNE
REVIEWED BY:	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS		15	BRN		10" CONC. (2 SLABS) CLAYEY SILT TRACE TO SOME GRAVEL	ML		
		2	SS		35	↓		↓			
5								BORING TERMINATED @ 4.5' BGS. REFUSAL ON CONCRETE SLAB			
10											
15											
20											
25											
30								ANALYTICAL SAMPLE @ 0-4'			
35											

COMMENTS: JACK HAMMER RIG

PROJECT NO.: SPAULDING FIBRES **BORING NO.:** 62.3

LiRo Engineers, Inc.

BORING NO. 64

PROJECT	Spaulding Fibre								**SHEET:**	
CLIENT	ECIDA								**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company								**BORING LOCATION:**	
GROUNDWATER					**CAS.**	**SAMPLER**	**CORE**	**TUBE**	**GROUND ELEVATION:**	
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		macrocore			**DATE STARTED:**	10/24/2007
				DIA.		2"			**DATE FINISHED:**	10/24/2007
				WT.					**DRILLER:**	Larry Schroeder
				FALL					**GEOLOGIST:**	Mike Byrne
				* POCKET PENETROMETER READING					**REVIEWED BY:**	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	mc		100	RED BRN		1" TOPSOIL CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	DRY
5		2	mc		100						
								BORING TERMINATED @ 8' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES 0-1' 3'-4'			
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 64

LiRo Engineers, Inc.

BORING NO. 65

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE STARTED:	10/24/2007	**DATE FINISHED:**	10/24/2007
DRILLER:	Larry Schroeder	**GEOLOGIST:**	Mike Byrne
REVIEWED BY:			

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		macrocore		
				DIA.		2"		
				WT.				
				FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
0		1	SS		100	RED/BRN		1" TOPSOIL CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	DRY
5		2	SS		100						
10		3	SS		100						
15								BORING TERMINATED @ 12' BGS			
20											
25											
30								ANALYTICAL SAMPLES COLLECTED 0-1' AND 3-4'			
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 65

LiRo Engineers, Inc.

BORING NO. 66

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE STARTED:	10/25/2007		
DATE FINISHED:	10/25/2007		
DRILLER:	Larry Schroeder		
GEOLOGIST:	Mike Byrne		
REVIEWED BY:			

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	3 4 / 11 13	30	BRN		6" BLACK CINDERS		BG	DRY
								CLAYEY SILT			
		2	SS	18 26 / 29 34	50			TRACE TO SOME GRAVEL	ML		
5		3	SS	13 15 / 24 26	80						
		4	SS	13 22 / 39 30	50						
								BORING TERMINATED @ 8' BGS.			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES COLLECTED @ 0-0.5' AND 6'-8'			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO. : 0725306A **BORING NO. :** 66

LiRo Engineers, Inc.

BORING NO. 67

PROJECT	Spaulding Fibre
CLIENT	ECIDA
BORING CONTRACTOR	Buffalo Drilling Company
SHEET:	
JOB NO:	0725306A
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/25/2007
DATE FINISHED:	10/25/2007
DRILLER:	Larry Schroeder
GEOLOGIST:	Mike Byrne
REVIEWED BY:	

GROUNDWATER

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	3 4 / 5 7	60	BRN		ORANGE STAINING TO 0.5' CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	DRY
		2	SS	7 9 / 11 16	70						
5		3	SS	10 11 / 14 16	60						
		4	SS	16 18 / 18 16	90						
10								BORING TERMINATED @ 9' BGS			
15											
20											
25											
30								ANALYTICAL SAMPLES COLLECTED @ 0-0.5' AND 7-8'.			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO. : 0725306A **BORING NO. :** 67

LiRo Engineers, Inc.

BORING NO. 68

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE STARTED:	10/25/2007	**DATE FINISHED:**	10/25/2007
DRILLER:	Larry Schroeder	**GEOLOGIST:**	Mike Byrne
REVIEWED BY:			

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
0		1	SS	3 4 / 9 10	70	BRN		2"-TOPSOIL		BG	DRY
								CLAYEY SILT TRACE TO SOME GRAVEL	ML		
		2	SS	9 14 / 16 19	50						
5		3	SS	9 12 / 18 18	70						
		4	SS	8 13 / 19 25	70						
		5	SS	10 13 / 30 34	40						
10								BORING TERMINATED @ 10' BGS			
15											
20											
25											
30								ANALYTICAL SAMPLE COLLECTED FROM 8'-9' BGS			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO. : 0725306A **BORING NO. :** 68

LiRo Engineers, Inc.

BORING NO. 69

PROJECT	Spaulding Fibre
CLIENT	ECIDA
BORING CONTRACTOR	Buffalo Drilling Company
SHEET:	
JOB NO:	0725306A
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/25/2007
DATE FINISHED:	10/25/2007
DRILLER:	Larry Schroeder
GEOLOGIST:	Mike Byrne
REVIEWED BY:	

GROUNDWATER

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	3 4 5 6	75	BRN		2" TOPSOIL CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	DRY
		2	SS	10 20 22 23	25						
5		3	SS	12 10 20 19	70						
		4	SS	8 13 18 20	85						
		5	SS	12 17 18 21	75						
10								BORING TERMINATED @ 10' BGS			
15											
20											
25											
30								ANALYTICAL SAMPLES COLLECTED @ 7'-9'			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO.: 0725306A **BORING NO.:** 69

LiRo Engineers, Inc.

BORING NO. 70

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE / **TIME** / **LEVEL** / **TYPE**		**DATE STARTED:**	10/25/2007
		DATE FINISHED:	10/25/2007
		DRILLER:	Larry Schroeder
		GEOLOGIST:	Mike Byrne
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION: COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS: PID	REMARKS: moisture
		1	SS	3 7 / 8 13	30	BROWN		2" TOPSOIL		BG	DRY
		2	SS	11 18 / 23 26	60			CLAYEY SILT TRACE TO SOME GRAVEL	ML		
5		3	SS	12 23 / 35 50/3	20						
		4	SS	60 23 / 43 30	90						
		5	SS	16 19 / 22 22	70						
10								BORING TERMINATED @ 10' BGS.			
15											
20											
25											
30								ANALYTICAL SAMPLES COLLECTED FROM 0'-1' AND 3'-4'			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO. : 0725306A **BORING NO. :** 70

LiRo Engineers, Inc.

BORING NO. 71

PROJECT	Spaulding Fibre								**SHEET:**	
CLIENT	ECIDA								**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company								**BORING LOCATION:**	
GROUNDWATER					**CAS.**	**SAMPLER**	**CORE**	**TUBE**	**GROUND ELEVATION:**	
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		macrocore			**DATE STARTED:**	10/24/2007
				DIA.		2"			**DATE FINISHED:**	10/24/2007
				WT.					**DRILLER:**	Larry Schroeder
				FALL					**GEOLOGIST:**	Mike Byrne
				* POCKET PENETROMETER READING					**REVIEWED BY:**	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	MC		75	BRN/RED		0-1.5' - SLAG FRAGMENTS		BG	DRY
								CLAYEY SILT, TRACE TO SOME GRAVEL	ML		
5		2	MC		100						
10		3	MC		100						
								BORING TERMINATED @ 12' BGS			
15											
20											
25											
30								ANALYTICAL SAMPLES COLLECTED 0-2' AND 4-5'			
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 71

LiRo Engineers, Inc.

BORING NO. 72

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE	**TIME** / **LEVEL** / **TYPE**	**DATE STARTED:**	10/24/2007
DATE FINISHED:	10/24/2007		
DRILLER:	Larry Schroeder		
GEOLOGIST:	Mike Byrne		
REVIEWED BY:			

	CAS.	SAMPLER	CORE	TUBE
TYPE		macrocore		
DIA.		2"		
WT.				
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
0		1	MC		75	BRN		2" TOPSOIL AND FILL (SAND) CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	DRY
5		2	MC		100						
10		3	MC		100						
15								BORING TERMINATED @ 12' BGS			
20											
25											
30								ANALYTICAL SAMPLE COLLECTED FROM 0-2 AND 7-8'			
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 72

LiRo Engineers, Inc.

BORING NO. 73

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE / **TIME** / **LEVEL** / **TYPE**		**DATE STARTED:**	10/24/2007
		DATE FINISHED:	10/24/2007
		DRILLER:	Larry Schroeder
		GEOLOGIST:	Mike Byrne
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		macrocore		
DIA.		2"		
WT.				
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION: COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS: PID	REMARKS: moisture
0		1	MC		100	BRN		2" TOPSOIL CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	DRY
5		2	MC		100						
10		3	MC		100						
15								BORING TERMINATED @ 12' BGS			
20											
25											
30								ANALYTICAL SAMPLES COLLECTED @ 3'-4'			
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 73

LiRo Engineers, Inc.

BORING NO. 74

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE / **TIME** / **LEVEL** / **TYPE**		**DATE STARTED:**	10/24/2007
		DATE FINISHED:	10/24/2007
		DRILLER:	Larry Schroeder
		GEOLOGIST:	Mike Byrne
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		macrocore		
DIA.		2"		
WT.				
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
0		1	MC		85	MULTI-COLOR		0-1 CLAY COVER 1-2 FILL - BUTTONS, SAND 2-4 STAINED CLAY (BLK)		BG	DRY
5		2	MC		90	BLK/BRN		CLAY & SILT SOME GRAVEL	ML		
10		3	MC		90	BRN/RED					
15								BORING TERMINATED @ 12' BGS			
20											
25											
30								ANALYTICAL SAMPLES COLLECTED FROM 0-2 AND 7-8'			
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 74

LiRo Engineers, Inc.

BORING NO. 75

PROJECT	Spaulding Fibre								**SHEET:**	
CLIENT	ECIDA								**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company								**BORING LOCATION:**	
GROUNDWATER					**CAS.**	**SAMPLER**	**CORE**	**TUBE**	**GROUND ELEVATION:**	
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		macrocore			**DATE STARTED:**	10/24/2007
				DIA.		2"			**DATE FINISHED:**	10/24/2007
				WT.					**DRILLER:**	Larry Schroeder
				FALL					**GEOLOGIST:**	Mike Byrne
				* POCKET PENETROMETER READING					**REVIEWED BY:**	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	mc		85	BLK/BRN BRN	BRN	1" TOPSOIL CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	DRY
5		2	mc		100	BRN/RED					
10		3	mc		90						
15								BORING TERMINATED @ 12' BGS			
20											
25								ANALYTICAL SAMPLES COLLECTED @ 0-1 AND 3-10'			
30											
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 75

LiRo Engineers, Inc.

BORING NO. 78

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE / **TIME** / **LEVEL** / **TYPE**		**DATE STARTED:**	10/24/2007
		DATE FINISHED:	10/24/2007
		DRILLER:	Larry Schroeder
		GEOLOGIST:	Mike Byrne
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		macrocore		
DIA.		2"		
WT.				
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
0		1	mc		100	RDBRN		1" TOPSOIL CLAYEY SILT TRACE TO SOME GRAVEL	ML	316	DRY
5		2	mc		100						
10								BORING TERMINATED @ 8' BGS.			
15											
20											
25											
30								ANALYTICAL SAMPLES 0-1' 3-4'			
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 78

LiRo Engineers, Inc.

BORING NO. 79

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE	**TIME** / **LEVEL** / **TYPE**	**DATE STARTED:**	10/24/2007
DATE FINISHED:	10/24/2007	**DRILLER:**	Larry Schroeder
GEOLOGIST:	Mike Byrne	**REVIEWED BY:**	

	CAS.	SAMPLER	CORE	TUBE
TYPE		macrocore		
DIA.		2"		
WT.				
FALL				

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
0		1	mc		100	RED/BRN		1" TOPSOIL CLAYEY SILT TRACE TO SOME GRAVEL	ML	136	DRY
5		2	mc		100						
10								BORING TERMINATED @ 8' BGS			
15											
20											
25											
30								ANALYTICAL SAMPLES 0-1' 3-4'			
35											

COMMENTS: Boring advanced using a van-mounted Direct-push Geoprobe rig.

PROJECT NO. : 0725306A **BORING NO. :** 79

LiRo Engineers, Inc.

BORING NO. 80

PROJECT	Spaulding Fibre								**SHEET:**	
CLIENT	ECIDA								**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company								**BORING LOCATION:**	
GROUNDWATER					**CAS.**	**SAMPLER**	**CORE**	**TUBE**	**GROUND ELEVATION:**	
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		SS			**DATE STARTED:**	10/25/2007
				DIA.		2"			**DATE FINISHED:**	10/25/2007
				WT.		140			**DRILLER:**	Larry Schroeder
				FALL		30"			**GEOLOGIST:**	Mike Byrne
				* POCKET PENETROMETER READING					**REVIEWED BY:**	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	2 3 / 3 4	25	BROWN		CLAYEY SILT TRACE TO SOME GRAVEL/ BRICKS 0-1'	ML	BG	
		2	SS	3 3 / 3 3	30						WET
5		3	SS	2 2 / 3 7	10						
		4	SS	11 12 / 17 18	65						
10								BORING TERMINATED @ 8' BGS			
15											
20											
25											
30								ANALYTICAL SAMPLES COLLECTED FROM 0-2' AND 6'-8'			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO. : 0725306A **BORING NO. :** 80

LiRo Engineers, Inc.

BORING NO. S1

PROJECT	Spaulding Fibre
CLIENT	ECIDA
BORING CONTRACTOR	Buffalo Drilling Company
SHEET:	
JOB NO:	0725306A
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	10/25/2007
DATE FINISHED:	10/25/2007
DRILLER:	Larry Schroeder
GEOLOGIST:	Mike Byrne
REVIEWED BY:	

GROUNDWATER

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	2 4 5 7	80	BRN		CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	DRY
		2	SS	6 10 12 18	35						
5		3	SS	8 11 16 16	60						
								BORING TERMINATED @ 6' BGS			
10											
15											
20											
25											
30								ANALYTICAL SAMPLES COLLECTED @ 0-2' AND 4'-6'			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO. : 0725306A **BORING NO. :** S1

LiRo Engineers, Inc.

BORING NO. B2

PROJECT	Spaulding Fibre	**SHEET:**	
CLIENT	ECIDA	**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company	**BORING LOCATION:**	
GROUNDWATER		**GROUND ELEVATION:**	
DATE / **TIME** / **LEVEL** / **TYPE**		**DATE STARTED:**	10/25/2007
		DATE FINISHED:	10/25/2007
		DRILLER:	Larry Schroeder
		GEOLOGIST:	Mike Byrne
		REVIEWED BY:	

	CAS.	SAMPLER	CORE	TUBE
TYPE		SS		
DIA.		2"		
WT.		140		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"	RECOVERY ROD %	DESCRIPTION: COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS: PID	REMARKS: moisture
		1	SS	2 2 / 3 4	65	BRN		BLACK STAINING 0-2' CLAYEY SILT TRACE TO SOME GRAVEL	ML	BG	
		2	SS	5 8 / 11 14	50						
5		3	SS	6 9 / 9 8	50						WET
		4	SS	8 11 / 12 12	80						
10								BORING TERMINATED @ 8' BGS			
15											
20											
25											
30								ANALYTICAL SAMPLES @ 0'-2' AND 6'-7'			
35											

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO.: 0725306A **BORING NO.:** B2

LiRo Engineers, Inc.

BORING NO. B3

PROJECT	Spaulding Fibre								**SHEET:**	
CLIENT	ECIDA								**JOB NO:**	0725306A
BORING CONTRACTOR	Buffalo Drilling Company								**BORING LOCATION:**	
GROUNDWATER					**CAS.**	**SAMPLER**	**CORE**	**TUBE**	**GROUND ELEVATION:**	
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		SS			**DATE STARTED:**	10/25/2007
				DIA.		2"			**DATE FINISHED:**	10/25/2007
				WT.		140			**DRILLER:**	Larry Schroeder
				FALL		30"			**GEOLOGIST:**	Mike Byrne
				* POCKET PENETROMETER READING					**REVIEWED BY:**	

DEPTH	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"		RECOVERY ROD %	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	CLASS USCS	REMARKS PID	REMARKS moisture
		1	SS	2	3	30	BRN		YELLOW/ORANGE/ BLACK SAND (2")		BG	DRY
				4	4				CLAYEY SILT			
		2	SS	7	12	70			TRACE TO SOME GRAVEL			
				13	23							
5		3	SS	8	11	65						
				17	20							
									BORING TERMINATED @ 6' BGS			
10												
15												
20												
25												
30									ANALYTICAL SAMPLES COLLECTED @ 0-2' AND 4'-6'			
35												

COMMENTS: Boring advanced using 41/4" HAS from a truck-mounted CME 550 drill rig.

PROJECT NO. : 0725306A **BORING NO. :** B3

TEST PIT LOGS

Project: Spaulding Fibre	**Project #:** 07-25-306A
Client: ECIDA	**Contractor:** DEMCO INC.
Date Started: 11/15/07	**Elevation:**
Date Completed: 11/15/07	**Pit max. depth:** 4'
Geologist: Mike Byrne	**Operator:** Kevin Callihan
Pit Number: 1	**Approx. water table depth:** —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" CONC 2" BASE BLACK SAND	
-2-			
-4-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes: BLACK ANGULAR SAND

Analytical Samples: 1'-2' & 3'-4'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 5'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 2	Approx. water table depth:

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		4" CONC.	
-		4" BASE	
-2-		BLACK SAND	
-		↓	
-4-		BROWN CLAYEY SILT	
-		TRACES TO SOME GRAVEL	
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes: BLACK ANGULAR SAND

Analytical Samples: 1'-2' & 4'-5'

Comments:

PID– Background Reading -ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 3	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB 2" BASE BLACK SAND	
-2-		↓	
-4-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes: BLACK SAND

Analytical Samples: 1'-2' & 3'-4'

Comments:

PID– Background Reading <ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 8'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 4	Approx. water table depth: 7'

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	PID	2" TOPSOIL/PINK FILL	
-	ND	BLACK GRAVEL/SAND	
-2-	45 ppm HS		
-	15 ppm	BROWN CLAYEY SILT	
-4-	10 ppm	TRACE TO SOME GRAVEL	
-			
-6-	20 ppm		
-	45 ppm		
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General: REFUSAL @ 8' - HOLE COLLAPSE DUE TO H_2O

Observed Wastes: SEE ABOVE

Analytical Samples: 0-1' 2-3' 7-8'

Comments:

PID– Background Reading SEE ABOVE

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 6	Approx. water table depth:

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB 3" BASE	
-		BROWN CLAYEY SILT	
-2-		TRACE TO SOME GRAVEL	
-			
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 2-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 7	Approx. water table depth: ←

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		3" ASPHALT 4" BASE BLACK SAND/GRAVEL	
-2-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-4-			
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-1.5' & 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 8	Approx. water table depth:

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	5" SLAB W #4 BAR 7" BASE BLACK ANGULAR SAND FILL		
-2-	BROWN CLAYEY SILT TRACE TO SOME GRAVEL		
-4-			
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 9	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB W #4 BAR 7" BASE BLACK SAND/ GRAVEL FILL	
-2-		BROWN CLAYEY SILT	
-4-		↓ TRACE TO SOME GRAVEL	
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 13	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	8" SLAB 4" BASE		
-	BROWN CLAYEY SILT		
-2-	TRACE TO SOME GRAVEL		
-	↓		
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 14	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	5ppm	5" SLAB 7" BASE BROWN/BLACK SAND/GRAVEL FILL	
-2-	0ppm	BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-4-			
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 3½-4'

Comments:

PID– Background Reading = 585 ABOVE

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/13/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 15	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		6" SLAB 8" BASE	
-	15 ppm	BROWN CLAYEY SILT	
-2-		TRACES TO SOME GRAVEL	
-	ND		
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 3'-4'

Comments:

PID– Background Reading SUBS ABOVE

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 6'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 17	Approx. water table depth: 5' (SHEEN)

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		6" SLAB 6" BASE BLACK ANGULAR SAND	
-2-			
-4-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-6-		REFUSAL - HOLE COLLAPSE FROM WATER	
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 4'-5' & 5'-6'

Comments:

PID– Background Reading – ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 6'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 17.1	Approx. water table depth: 5' (SLIGHT)

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		6" SLAB 6" BASE BLACK ANGULAR SAND	
-2-			
-4-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 5'-6'

Comments:

PID-- Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 7'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 18	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB 7" BASE BLACK SAND FILL	
-2-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-4-			
-6-	260PPM HS		
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 3'-5' & 6'-7'

Comments:

PID– Background Reading SOIL ABOVE

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: TP-2	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB #4 BAR 2" BASE	
-		BRN CLAYEY SILT	
-2-		BLACK STAINED @ 2'-3'	
-		TRACE TO SOME GRAVEL	
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 2'-3'

Comments:

PID– Background Reading

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 23	Approx. water table depth: -

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	4" SLAB W/ #4 BAR 2" BASE		
-	BROWN CLAYEY SILT		
-2-	TRACE TO SOME GRAVEL		
-	↓		
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 26	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	FILL: C/D DEBRIS		
-	BROWN CLAYEY SILT		
-2-	TRACE TO SOME GRAVEL		
-			
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 27	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	FILL: BRN/BLK SAND/GRAVEL		
-2-	BROWN CLAYEY SILT		
-4-	TRACE TO SOME GRAVEL		
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 0-1' & 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 5'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 29	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB 5" BASE BLACK/YELLOW SAND FILL	
-2-			
-4-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1-2' & 4'-5'

Comments:

PID– Background Reading – ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 5'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 34	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		FILL: BRICK/SAND/GRAVEL	
-		OILY SHEEN IN FILL	
-2-			
-			
-4-		BROWN CLAYEY SILT	
-		TRACE TO SOME GRAVEL	
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 4'-5'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 31	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	8" SLAB W/ #5 BARS 7" BASE BROWN CLAYEY SILT TRACE TO SOME GRAVEL		
-2-			
-			
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General: NO OBSERVABLE CONTAMINATION

Observed Wastes: NONE

Analytical Samples:

Comments:

PID– Background Reading — ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 4	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB 2" BASE 2" BLACK SANDY FILL BROWN CLAYEY SILT - BLACK STAIND (9"-18") TRACE TO SOME GRAVEL	
-2-			
-4-			
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1.5' - 3.0'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 45	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		4" SLAB 3" BASE	
-		5" BLACK SANDY FILL	
-2-		BROWN CLAYEY SILT	
-		TRACE TO SOME GRAVEL	
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 46	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	4" SLAB 3" BASE 2" FILL: BRN/BLK SAND/GRAVEL		
-	BROWN CLAYEY SILT		
-2-	TRACE TO SOME GRAVEL		
-			
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 0.5'-1.0' & 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 43	Approx. water table depth: ←

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		4" SLAB 2" BASE	
-		BROWN CLAYEY SILT	
-2-		TRACE TO SOME GRAVEL	
-			
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1.0' - 1.5'

Comments:

PID– Background Reading ND

Methane- Background Reading **LEL- Background Reading**

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 47	Approx. water table depth: -

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		4" SLAB 2" BASE	
-		BROWN CLAYEY SILT	BLACK STAIND
-2-		TRACES TO SOME GRAVEL	(0.5'-1.0')
-			
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 0.5'-1.0' & 3'-4'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 56	Approx. water table depth: -

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB (PINK) 3" BASE BROWN CLAYEY SILT (PINK STAINED 1-2' TRACE TO SOME GRAVEL	
-2-			
-4-			
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 5'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 60	Approx. water table depth: 4' BGS

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	8" SLAB w/ #4 BAR 4" BASE BLACK SAND/GRAVEL FILL		
-2-	↓		
-4-	BLACK SAND FILL REFUSAL FROM COLLAPSING		
-6-	SIDEWALLS (WATER INDUCED)		
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1-2' & 3-4'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 5'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 61	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB 2" BASE BLACK/BROWN SAND FILL	
-2-			
-4-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 4'-5'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 4'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 63	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		4" SLAB 2" BASE FILL - BLK/BRN SAND/GRAVEL	
-2-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-4-			
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 3'-4'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 4.5'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 76	Approx. water table depth: -

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		5" SLAB W #4 BAR 2" BASE BLK/LIGHT BROWN SAND	
-2-			
-4-	445 PPM HS		
-6-		REFUSAL ON SLAB WITH TITANIUM TIES (HORIZ) LYING ON SLAB SURFACE.	
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 3'-4'

Comments:

PID– Background Reading 565 ABOVE

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/13/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: TP7	Approx. water table depth:

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	5" SLAB 4" BASE BROWN CLAYEY SILT TRACE TO SOME GRAVEL		
-2-			
-4-			
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/19/07	Elevation:
Date Completed: 11/19/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 34	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		3" SLAG 2" ASPHALT SLAG	
-2-		BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-4-			
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' 2'-3'

Comments:

PID– Background Reading ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/15/07	Elevation:
Date Completed: 11/15/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: S5	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-		10" GRAVEL BROWN CLAYEY SILT TRACE TO SOME GRAVEL	
-			
-2-			
-			
-4-			
-			
-6-			
-			
-8-			
-			
-10-			
-			
-12-			
-			
-14-			
-			
-16-			

General:

Observed Wastes:

Analytical Samples: 0'-1' 2'-3'

Comments:

PID– Background Reading – ND

Methane- Background Reading

LEL- Background Reading

TEST PIT LOGS

Project: Spaulding Fibre	Project #: 07-25-306A
Client: ECIDA	Contractor: DEMCO INC.
Date Started: 11/16/07	Elevation:
Date Completed: 11/16/07	Pit max. depth: 3'
Geologist: Mike Byrne	Operator: Kevin Callihan
Pit Number: 96	Approx. water table depth: —

DESCRIPTION

DEPTH	Section A	Section B	Section C
-0-	2" TOPSOIL FILL: BLACK SAND/GRAVEL		620ppm HS
-2-	BROWN CLAYEY SILT		130 ppm HS
-4-	TRACE TO SOME GRAVEL		
-6-			
-8-			
-10-			
-12-			
-14-			
-16-			

General:

Observed Wastes:

Analytical Samples: 1'-2' & 2'-3'

Comments:

PID– Background Reading SEE ABOVE

Methane- Background Reading

LEL- Background Reading

DRILLING SUMMARY

Geologist: MIKE BYRNE

Drilling Company: BUFFALO DRILLING

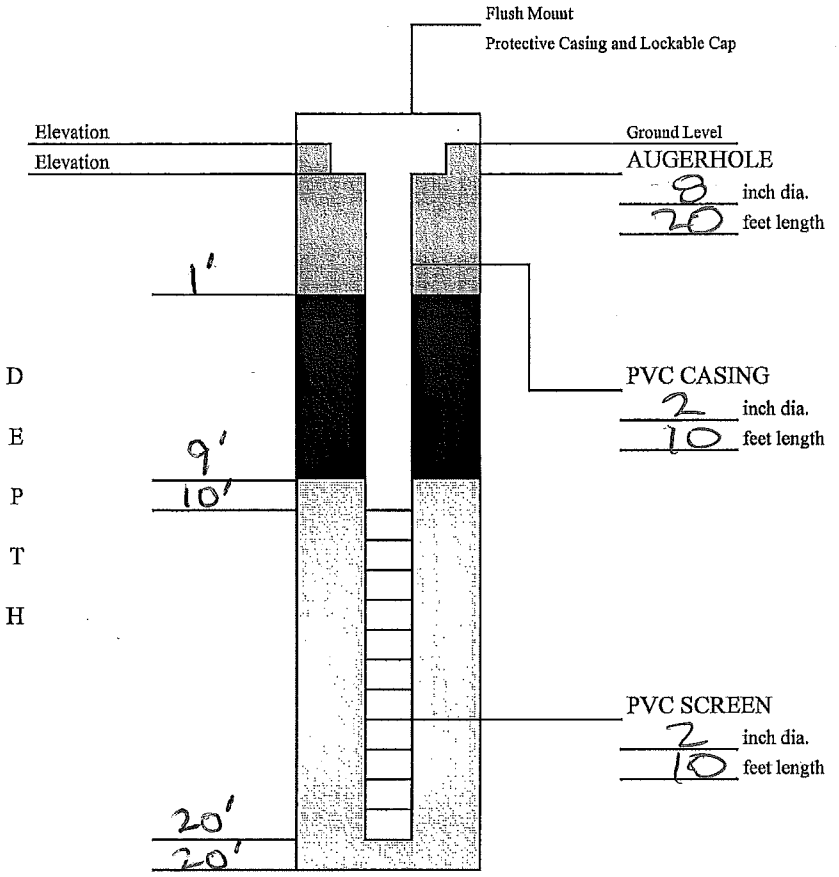
Driller: CHARLES WEAVER

Rig Make/Model: MOBIL B-60

Date: 10/31/07

GEOLOGIC LOG

Depth(ft.)	Description
0'-5'	FILL: BLACK ANGULAR SAND
5'-20'	BROWN CLAYEY SILT TRACE TO SOME GRAVEL



WELL DESIGN

CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: PROTECTIVE FLUSH MOUNT	Type: 2" SCHEDULE 40 PVC	Type: #2 SAND Setting: 9'-20'
Monitor: 2" PVC	Slot Size: .20 SLOT	*SEAL MATERIAL*
		Type: BENTONITE CHIPS Setting: 1'-9'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: ECIDA	Location: SPAULDING FIBRE	Project No.:
The LiRo Group	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-16

DRILLING SUMMARY

Geologist: MIKE BYRNS

Drilling Company: BUFFALO DRILLING

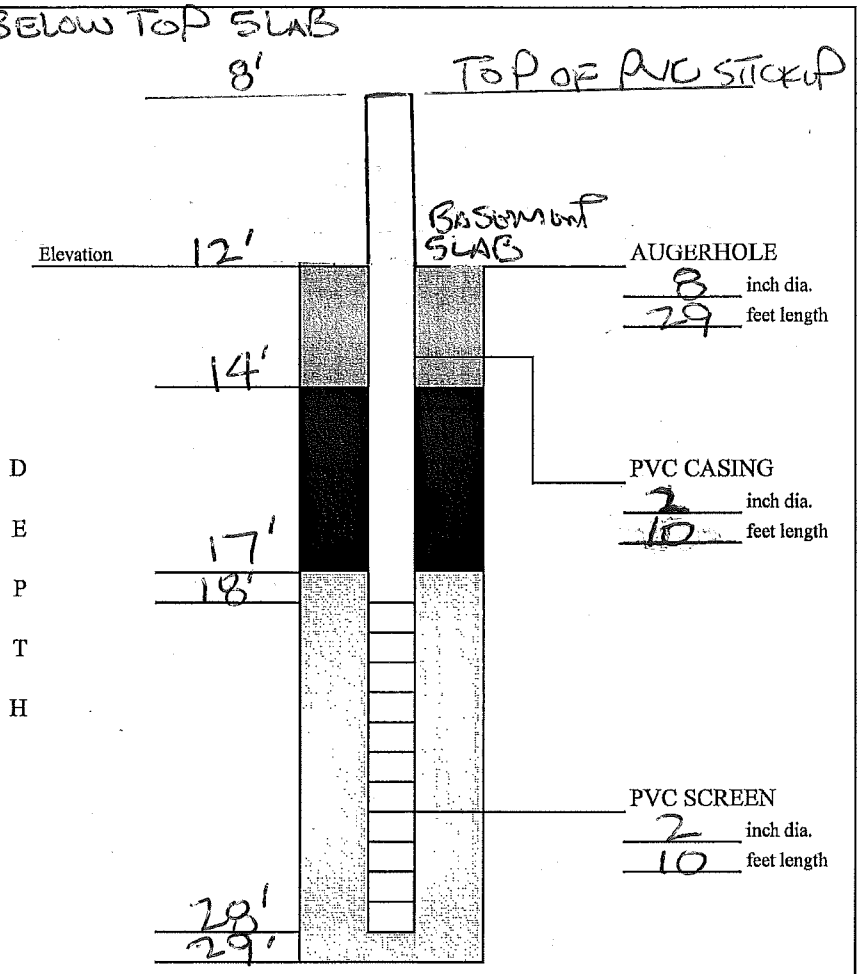
Driller: CHARLIE WEAVER

Rig Make/Model: MOBIL B-60

Date: 11/8/07

GEOLOGIC LOG

Depth(ft.)	Description
0-12'	BASEMENT VOID SPACE
12'-29'	7" SLAB BROWN CLAYEY SILT, TRACE TO SOME GRAVEL



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: STICKUP CASING IN BASEMENT	Type: 2" SCHEDULE 40 PVC	Type: #2 SAND Setting: 17'-29'
Monitor: PVC	Slot Size: 20 SLOT	SEAL MATERIAL Type: BENTONITE CHIPS Setting: 14'-17'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: ECOA	Location: SPAULDING FIBRE	Project No.:
The LiRo Group	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-43

DRILLING SUMMARY

Geologist: MIKE BYRNE

Drilling Company: BUFFALO DRILLING

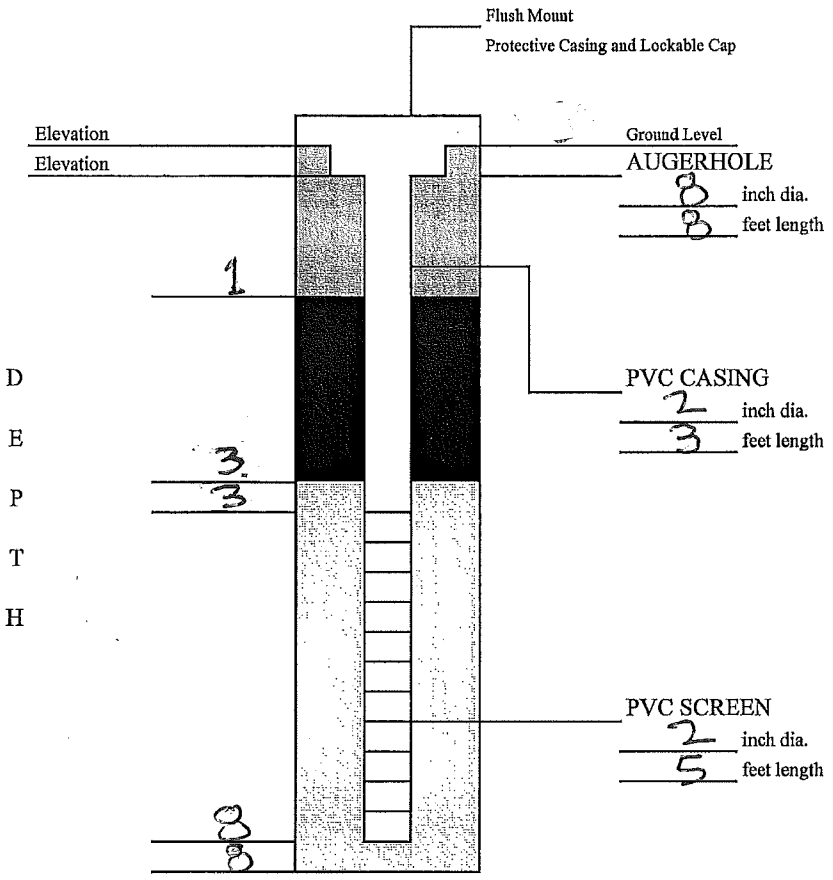
Driller: CHARLES WEAVER

Rig Make/Model: MOBIL B-60

Date: 10/26/07

GEOLOGIC LOG

Depth(ft.)	Description
0-4	



WELL DESIGN

CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: PROTECTIVE FLUSH MOUNT	Type: 2" SCHEDULE 40 PVC	Type: #2 SAND Setting: 3'-8'
Monitor: 2" PVC	Slot Size: 20 SLOT	*SEAL MATERIAL* Type: BENTONITE CHIPS Setting: 1'-3'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: ECIDA	Location: SPAULDING FIBRE	Project No.:
The LiRo Group	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-59

DRILLING SUMMARY

Geologist: MIKE BYRNS

Drilling Company: BUFFALO DRILLING

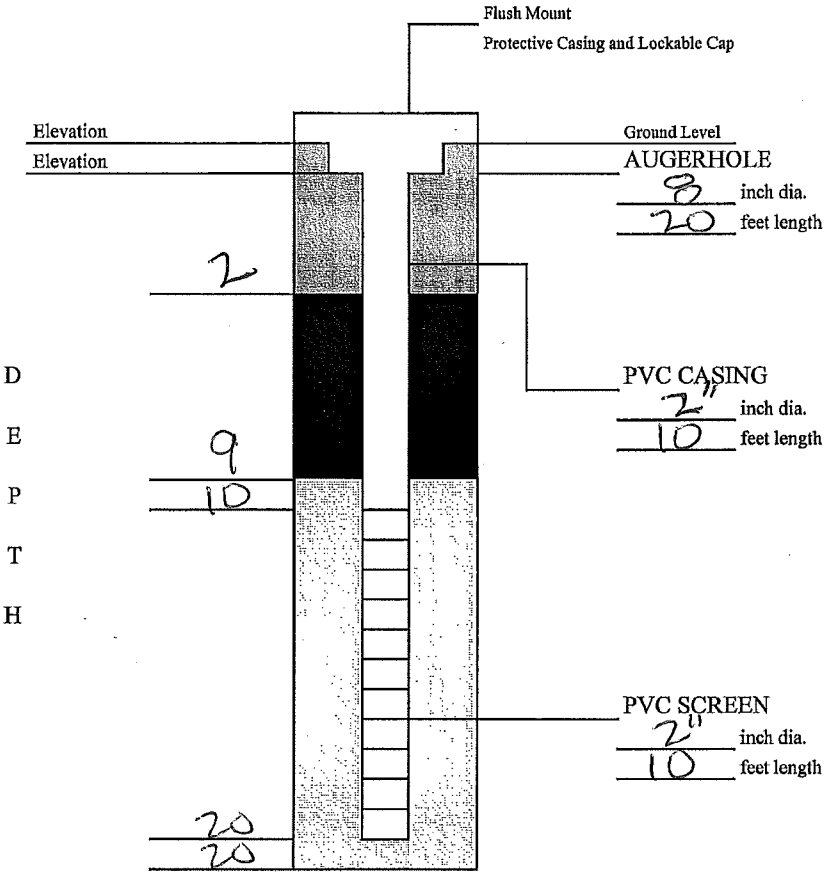
Driller: CHARLES WEAVER

Rig Make/Model: MOBIL B-60

Date: 11/6/07

GEOLOGIC LOG

Depth(ft.)	Description
0-8'	SEE DESCRIPTION AT MW-59
8'-20'	BROWN CLAYEY SILT, TRACE TO SOME GRAVEL



WELL DESIGN

CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: PROTECTIVE FLUSH MOUNT	Type: 2" SCHEDULE 40 PVC	Type: #2 SAND Setting: 9'-20'
Monitor: 2" PVC	Slot Size: 20 SLOT	*SEAL MATERIAL* Type: BENTONITE CHIPS Setting: 2'-9'

COMMENTS: TEMPORARY CASING SET TO 5.5' - AUGER TO 8'

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: ECIDA	Location: SPAULDING FIBRE	Project No.:
The LiRo Group	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-59.1