WESTON MANAGERS DESIGNERS/CONSULTANTS
5 Underwood Court, Delran, New Jersey 08075-1229
856-461-4003 • 215-238-0338 • Fax 856-461-4916

ORIGINAL

SITE ASSESSMENT TECHNICAL ASSISTANCE

EPA CONTRACT 68-S5-3002

SDMS DocID 2240050

FACSIMILE TRANSMITTAL

TO: (b) (4) [redacted]

FROM: [redacted]

Recipient's Telecopy Telephone # _____

Recipient's Confirmation Telephone _____

(b) (4) [redacted] ext 245
Originator's Telephone #

6 # of Pages Including Cover

(b) (4) [redacted]
(Sent By)

—"—
(Sender's Telephone #)

4/10/00 | 9:00 am
(Date) Time)

ORIGINAL WILL:
_____ Follow via mail
_____ Follow via messenger
_____ Follow via overnight service
X Not be Sent

(b) (4) [redacted]

Here is the analytical data. The PCS# is 6269. We have 120 hrs LHP, but that also includes Weston corp. people who are doing the design - and the are probably going to use most of it. Thank you, (b) (4) [redacted]

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ORIGINAL

Industrial Soil - U.S. EPA CLP
Inorganic Analysis Data Sheet

Site Name: 12th STREET LANDFILL

Sample ID: TS-SS-34

All units in mg/kg

CAS#	Compound	Results	Q	T	RBC	ERG	RBC Exceedance	ERG Exceedance
7429905	Aluminum	13900		N	200000	20000000	No	No
7440360	Antimony	2	L	N	82	8200	No	No
7440382	Arsenic	73.9		C	3.8	380	Yes	No
7440393	Barium	172		N	14000	1400000	No	No
7440417	Beryllium	0.68	B	N	410	41000	No	No
7440439	Cadmium	4		N	100	10000	No	No
7440702	Calcium	9700		E	NA	NA	No	No
7440473	Chromium	298		N	613.2	61320	No	No
7440484	Cobalt	62.3		N	12000	1200000	No	No
7440508	Copper	2990	J	N	8200	820000	No	No
7439896	Iron	61700		N	61000	6100000	Yes	No
7439921	Lead	7,350	J	C	400	NL	Yes	No
7439954	Magnesium	4320		E	NA	NA	No	No
7439965	Manganese	498	L	N	4088	408800	No	No
7439976	Mercury[1]	0.18		N	61	6100	No	No
7440020	Nickel	71.6	J	N	4100	410000	No	No
7440097	Potassium	1700	J	E	NA	NA	No	No
7782492	Selenium	9.6	J	N	1000	100000	No	No
7440224	Silver	1.1	B	N	1000	100000	No	No
7440235	Sodium	65.8	B	E	NA	NA	No	No
7440280	Thallium	11.3		N	14	1400	No	No
7440622	Vanadium	43.2		N	1400	140000	No	No
7440666	Zinc	1,800		N	61000	6100000	No	No
74908	Cyanide			N	4088	408800	No	No

Note: RBCs are based on a cancer risk of 10^{-6} and a hazard quotient of 0.1 and are taken from the 12 April 1999 RBC table.

ERGs are based on a cancer risk of 10^{-4} and a hazard quotient of 10.

Cancer risk applies to carcinogens and hazard quotient applies to non-carcinogens.

[1] The mercury RBC and ERG are taken from the October 1997 RBC table since the 12 April 1999 table does not provide values.

ORIGINAL

Industrial Soil - U.S. EPA CLP
Inorganic Analysis Data Sheet

Site Name: 12th STREET LANDFILL

Sample ID: TS-SS-35

All units in mg/kg

CAS#	Compound	Results	Q	T	RBC	ERG	RBC Exceedance	ERG Exceedance
7429905	Aluminum	12400		N	200000	20000000	No	No
7440360	Antimony	2.8	L	N	82	8200	No	No
7440382	Arsenic	114		C	3.8	380	Yes	No
7440393	Barium	279		N	14000	1400000	No	No
7440417	Beryllium	0.5	B	N	410	41000	No	No
7440439	Cadmium	6.3		N	100	10000	No	No
7440702	Calcium	13100		E	NA	NA	No	No
7440473	Chromium	289		N	613.2	61320	No	No
7440484	Cobalt	72.1		N	12000	1200000	No	No
7440508	Copper	405	J	N	8200	820000	No	No
7439896	Iron	75000		N	61000	6100000	Yes	No
7439921	Lead	13,400	J	C	400	NL	Yes	No
7439954	Magnesium	3350		E	NA	NA	No	No
7439965	Manganese	464	L	N	4088	408800	No	No
7439976	Mercury[1]	0.41		N	61	6100	No	No
7440020	Nickel	89.9	J	N	4100	410000	No	No
7440097	Potassium	1140	J	E	NA	NA	No	No
7782492	Selenium	6.1	J	N	1000	100000	No	No
7440224	Silver	1.7	B	N	1000	100000	No	No
7440235	Sodium	38.4	U	E	NA	NA	No	No
7440280	Thallium	13.1		N	14	1400	No	No
7440622	Vanadium	38.1		N	1400	140000	No	No
7440666	Zinc	3,490		N	61000	6100000	No	No
74908	Cyanide			N	4088	408800	No	No

Note: RBCs are based on a cancer risk of 10^{-6} and a hazard quotient of 0.1 and are taken from the 12 April 1999 RBC table.

ERGs are based on a cancer risk of 10^{-4} and a hazard quotient of 10.

Cancer risk applies to carcinogens and hazard quotient applies to non-carcinogens.

[1] The mercury RBC and ERG are taken from the October 1997 RBC table since the 12 April 1999 table does not provide values.

ORIGINAL

Industrial Soil - U.S. EPA CLP
Inorganic Analysis Data Sheet

Site Name: 12th STREET LANDFILL

Sample ID: TS-SS-37

All units in mg/kg

CAS#	Compound	Results	Q	T	RBC	ERG	RBC Exceedance	ERG Exceedance
7429905	Aluminum	5830		N	200000	20000000	No	No
7440360	Antimony	0.71	L	N	82	8200	No	No
7440382	Arsenic	17.4		C	3.8	380	Yes	No
7440393	Barium	98		N	14000	1400000	No	No
7440417	Beryllium	0.43	B	N	410	41000	No	No
7440439	Cadmium	1	B	N	100	10000	No	No
7440702	Calcium	1990		E	NA	NA	No	No
7440473	Chromium	45.4		N	613.2	61320	No	No
7440484	Cobalt	16.8		N	12000	1200000	No	No
7440508	Copper	60.4	J	N	8200	820000	No	No
7439896	Iron	22100		N	61000	6100000	No	No
7439921	Lead	566	J	C	400	NL	Yes	No
7439954	Magnesium	1870		E	NA	NA	No	No
7439965	Manganese	185	L	N	4088	408800	No	No
7439976	Mercury[1]	0.09	K	N	61	6100	No	No
7440020	Nickel	15.6	J	N	4100	410000	No	No
7440097	Potassium	725	J	E	NA	NA	No	No
7782492	Selenium	1.4	J	N	1000	100000	No	No
7440224	Silver	0.17	B	N	1000	100000	No	No
7440235	Sodium	36.6	U	E	NA	NA	No	No
7440280	Thallium	4.6		N	14	1400	No	No
7440622	Vanadium	25.3		N	1400	140000	No	No
7440666	Zinc	551		N	61000	6100000	No	No
74908	Cyanide			N	4088	408800	No	No

Note: RBCs are based on a cancer risk of 10^{-6} and a hazard quotient of 0.1 and are taken from the 12 April 1999 RBC table.

ERGs are based on a cancer risk of 10^{-4} and a hazard quotient of 10.

Cancer risk applies to carcinogens and hazard quotient applies to non-carcinogens.

[1] The mercury RBC and ERG are taken from the October 1997 RBC table since the 12 April 1999 table does not provide values.

ORIGINAL

Industrial Soil - U.S. EPA CLP
Inorganic Analysis Data Sheet

Site Name: 12th STREET LANDFILL

Sample ID: TS-SS-36

All units in mg/kg

CAS#	Compound	Results	Q	T	RBC	ERG	RBC Exceedance	ERG Exceedance
7429905	Aluminum	10100		N	200000	20000000	No	No
7440360	Antimony	4.2	L	N	82	8200	No	No
7440382	Arsenic	18.9		C	3.8	380	Yes	No
7440393	Barium	150		N	14000	1400000	No	No
7440417	Beryllium	0.22	B	N	410	41000	No	No
7440439	Cadmium	2.9		N	100	10000	No	No
7440702	Calcium	10200		E	NA	NA	No	No
7440473	Chromium	121		N	613.2	61320	No	No
7440484	Cobalt	8.7	B	N	12000	1200000	No	No
7440508	Copper	1080	J	N	8200	820000	No	No
7439896	Iron	42100		N	61000	6100000	No	No
7439921	Lead	22,600	J	C	400	NL	Yes	No
7439954	Magnesium	2710		E	NA	NA	No	No
7439965	Manganese	561	L	N	4088	408800	No	No
7439976	Mercury[1]	0.12	K	N	61	6100	No	No
7440020	Nickel	83.6	J	N	4100	410000	No	No
7440097	Potassium	496	J	E	NA	NA	No	No
7782492	Selenium	0.58	R	N	1000	100000	No	No
7440224	Silver	0.41	B	N	1000	100000	No	No
7440235	Sodium	548	B	E	NA	NA	No	No
7440280	Thallium	8		N	14	1400	No	No
7440622	Vanadium	21.7		N	1400	140000	No	No
7440666	Zinc	1,730		N	61000	6100000	No	No
74908	Cyanide			N	4088	408800	No	No

Note: RBCs are based on a cancer risk of 10^{-6} and a hazard quotient of 0.1 and are taken from the 12 April 1999 RBC table.

ERGs are based on a cancer risk of 10^{-4} and a hazard quotient of 10.

Cancer risk applies to carcinogens and hazard quotient applies to non-carcinogens.

[1] The mercury RBC and ERG are taken from the October 1997 RBC table since the 12 April 1999 table does not provide values.

ORIGINAL

Industrial Soil - U.S. EPA CLP
Inorganic Analysis Data Sheet

Site Name: 12th STREET LANDFILL

Sample ID: TS-BG-04

All units in mg/kg

CAS#	Compound	Results	Q	T	RBC	ERG	RBC Exceedance	ERG Exceedance
7429905	Aluminum	13500		N	200000	20000000	No	No
7440360	Antimony		UL	N	82	8200	No	No
7440382	Arsenic	13.8		C	3.8	380	Yes	No
7440393	Barium	73.2		N	14000	1400000	No	No
7440417	Beryllium	0.61	B	N	410	41000	No	No
7440439	Cadmium	0.44	B	N	100	10000	No	No
7440702	Calcium	1120	B	E	NA	NA	No	No
7440473	Chromium	49.6		N	613.2	61320	No	No
7440484	Cobalt	6.1	B	N	12000	1200000	No	No
7440508	Copper	28.7	J	N	8200	820000	No	No
7439896	Iron	23000		N	61000	6100000	No	No
7439921	Lead	29.2	J	C	400	NL	No	No
7439954	Magnesium	3770		E	NA	NA	No	No
7439965	Manganese	179	L	N	4088	408800	No	No
7439976	Mercury[1]	2		N	61	6100	No	No
7440020	Nickel	15.7	J	N	4100	410000	No	No
7440097	Potassium	1590	J	E	NA	NA	No	No
7782492	Selenium		R	N	1000	100000	No	No
7440224	Silver		U	N	1000	100000	No	No
7440235	Sodium	112	B	E	NA	NA	No	No
7440280	Thallium	4.7		N	14	1400	No	No
7440622	Vanadium	35.3		N	1400	140000	No	No
7440666	Zinc	109		N	61000	6100000	No	No
74908	Cyanide			N	4088	408800	No	No

Note: RBCs are based on a cancer risk of 10^{-6} and a hazard quotient of 0.1 and are taken from the 12 April 1999 RBC table.

ERGs are based on a cancer risk of 10^{-4} and a hazard quotient of 10.

Cancer risk applies to carcinogens and hazard quotient applies to non-carcinogens.

[1] The mercury RBC and ERG are taken from the October 1997 RBC table since the 12 April 1999 table does not provide values.

ORIGINAL

12th STREET LANDFILL SITE
DNREC XRF DATA
JANUARY/FEBRUARY 2000
PPM

SAMPLE NUMBER	ARSENIC	CHROMIUM	COPPER	LEAD	ZINC
TS-SED-03	N.D.	112	34	188	267
TS-SED-04	4.3	98	2.6	40	93.5
TS-SED-05	24	1,317	199	1,134	2,162
TS-SED-05A	4	497	115	1,517	1,433
TS-SED-05B	6	585	65.5	721	744
TS-SED-06	4	90	13	48	81
TS-SED-07	46	451	2,218	4,674	1,831
TS-SED-07A	100	318	671	6,662	2,958
TS-SED-07B	N.D.	83	93	192	169
TS-SED-08	N.D.	183	101	1,210	788
TS-SED-08A	11.8	67	3	18.5	85
TS-SED-08B	9	70	6	25.6	56
TS-SED-09	179	143	87	690	546
TS-SED-09A	43	91	56	166	343
TS-SED-09B	64.6	475.5	45	272	406
TS-SED-10	3.6	118	20	128	104
TS-SED-11	46	264	144	232	289
TS-SED-11A	4	78.5	13.8	20.4	112.5
TS-SED-11B	33	164	47	256	201.5
TS-SED-12	N.D.	48	8	53.8	72
TS-SED-13	6	123	18	135	194
TS-SED-14	2	62	17	14.9	59
TS-SED-15	3	86	17	161	135
TS-SED-15A	N.D.	62	10	16.3	99
TS-SED-15B	N.D.	57	18	37.7	78
TS-SED-16	N.D.	74	4	17.6	72
TS-SED-17	10	68	15	77	90
TS-SED-18	37	278	59	1,140	1,141
TS-SED-18A	33.3	125	44.5	176	548
TS-SED-18B	7.8	62.4	5	49.5	111
TS-SED-19	6	57	30	30.8	65
TS-SED-20	N.D.	24	21	33.9	62
TS-SED-21	3	80	15	55.7	84
TS-SED-22	22	103	26	96.3	317
TS-SED-23	56	562	565	2,985	3,939
TS-SED-23A	5	73	26	29	92
TS-SED-23B	2	74	2	21	96
TS-SED-24	N.D.	107	58	463	178
TS-SED-24A	N.D.	116	21	61	104
TS-SED-24B	2	60	27.5	80	90
TS-SED-25	11	211	108	2,420	1,197
TS-SED-25A	18	148.5	80	978	545
TS-SED-25B	5.6	66	2.6	19	59
TS-SED-26	22	130	125	387	1,167
TS-SED-27	9	81	11	29	181
TS-SED-28	11	116	42	58.5	391

ORIGINAL

12th STREET LANDFILL SITE
DNREC XRF DATA
JANUARY/FEBRUARY 2000
PPM

SAMPLE NUMBER	ARSENIC	CHROMIUM	COPPER	LEAD	ZINC
TS-SED-29	12	99	6	21.1	138
TS-SED-30	N.D.	39	5	24.5	79
TS-SED-31	4	73	N.D	20.2	70
TS-SED-32	4	62	14	38.5	70
TS-SED-33	4	58	N.D	22.9	72
TS-SED-34	26	152	64	94.3	255
TS-SS-06	97	1,423	359	2,869	4,533
TS-SS-07	48	806	255	1,955	2,385
TS-SS-08	72	1,215	438	4,251	4,715
TS-SS-09	90	1,266	320	13,889	7,464
TS-SS-10	43	1,207	374	6,115	5,247
TS-SS-11	89	1,300	303	2,333	4,295
TS-SS-12	59	1,273	795	8,602	11,101
TS-SS-13	36	1,174	198	1,770	2,237
TS-SS-14	55	1,085	241	1,330	2,347
TS-SS-15	89	1,119	310	1,666	2,762
TS-SS-16	96	1,289	384	2,970	5,048
TS-SS-17	102	2,388	372	2,720	4,119
TS-SS-18	112	1,805	357	2,240	3,440
TS-SS-19	84	1,253	500	3,480	4,058
TS-SS-20	242	2,007	828	3,140	3,543
TS-SS-21	64	1,074	357	2,090	3,006
TS-SS-22	109	1,702	379	7,140	3,551
TS-SS-23	110	2,276	428	2,660	3,779
TS-SS-24	126	1,044	392	2,872	4,265
TS-SS-25	95	1,143	396	3,254	4,132
TS-SS-26	47	1,298	254	225	1,440
TS-SS-27	67	1,191	364	716	1,870
TS-SS-28	N.D.	506	151	1,150	2,014
TS-SS-29	12	101	58	75	154
TS-SS-30	7	112	59	44	160
TS-SS-31	21	186	85	297	409
TS-SS-32	2	58	36	35	158
TS-SS-33	12	158	105	232	379
TS-SB-04	48	1,437	452	5,140	9,208
TS-SB-05	68	1,531	350	2,980	4,840
TS-SB-06	137	4,163	787	1,375	5,460
TS-SB-07	12	1,449	439	5,350	4,064
TS-SB-08	N.D.	1,093	451	7,760	5,244
TS-SB-09	72	1,317	626	3,950	6,359
TS-SB-10	N.D.	1,719	605	5,012	11,921
TS-SB-11	123	2,640	607	28,600	9,911
TS-SB-12	16	234	45	98.3	310
TS-BG-01	1	38	31	42	80
TS-BG-02	N.D.	86	65	159	166
TS-BG-03	N.D.	66	53	71	78

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Current Tide Information

New Castle, Delaware
Units are feet

Low Tide:	2000-05-10	12:58	PM	EDT	0.19
High Tide:	2000-05-10	6:31	PM	EDT	5.46
Low Tide:	2000-05-11	1:15	AM	EDT	0.64
High Tide:	2000-05-11	6:50	AM	EDT	6.11
Low Tide:	2000-05-11	1:55	PM	EDT	0.22
High Tide:	2000-05-11	7:36	PM	EDT	5.64
Low Tide:	2000-05-12	2:16	AM	EDT	0.57
High Tide:	2000-05-12	7:54	AM	EDT	6.03
Low Tide:	2000-05-12	2:52	PM	EDT	0.19
High Tide:	2000-05-12	8:37	PM	EDT	5.88
Low Tide:	2000-05-13	3:17	AM	EDT	0.40
High Tide:	2000-05-13	8:54	AM	EDT	5.99
Low Tide:	2000-05-13	3:46	PM	EDT	0.11
High Tide:	2000-05-13	9:33	PM	EDT	6.13
Low Tide:	2000-05-14	4:14	AM	EDT	0.19
High Tide:	2000-05-14	9:50	AM	EDT	5.96
Low Tide:	2000-05-14	4:38	PM	EDT	0.04
High Tide:	2000-05-14	10:24	PM	EDT	6.33
Low Tide:	2000-05-15	5:07	AM	EDT	-0.01
High Tide:	2000-05-15	10:41	AM	EDT	5.91
Low Tide:	2000-05-15	5:26	PM	EDT	-0.01
High Tide:	2000-05-15	11:11	PM	EDT	6.46
Low Tide:	2000-05-16	5:57	AM	EDT	-0.15
High Tide:	2000-05-16	11:28	AM	EDT	5.82
Low Tide:	2000-05-16	6:11	PM	EDT	0.01
High Tide:	2000-05-16	11:55	PM	EDT	6.50
Low Tide:	2000-05-17	6:44	AM	EDT	-0.21
High Tide:	2000-05-17	12:13	PM	EDT	5.70
Low Tide:	2000-05-17	6:53	PM	EDT	0.08
High Tide:	2000-05-18	12:36	AM	EDT	6.46
Low Tide:	2000-05-18	7:28	AM	EDT	-0.18
High Tide:	2000-05-18	12:55	PM	EDT	5.57
Low Tide:	2000-05-18	7:33	PM	EDT	0.21
High Tide:	2000-05-19	1:14	AM	EDT	6.38
Low Tide:	2000-05-19	8:09	AM	EDT	-0.07
High Tide:	2000-05-19	1:35	PM	EDT	5.43
Low Tide:	2000-05-19	8:11	PM	EDT	0.37
High Tide:	2000-05-20	1:50	AM	EDT	6.29
Low Tide:	2000-05-20	8:49	AM	EDT	0.10
High Tide:	2000-05-20	2:12	PM	EDT	5.31
Low Tide:	2000-05-20	8:48	PM	EDT	0.54
High Tide:	2000-05-21	2:22	AM	EDT	6.22
Low Tide:	2000-05-21	9:28	AM	EDT	0.29
High Tide:	2000-05-21	2:48	PM	EDT	5.23
Low Tide:	2000-05-21	9:25	PM	EDT	0.71
High Tide:	2000-05-22	2:54	AM	EDT	6.19
Low Tide:	2000-05-22	10:07	AM	EDT	0.47
High Tide:	2000-05-22	3:23	PM	EDT	5.19
Low Tide:	2000-05-22	10:03	PM	EDT	0.86
High Tide:	2000-05-23	3:27	AM	EDT	6.18
Low Tide:	2000-05-23	10:48	AM	EDT	0.63
High Tide:	2000-05-23	4:00	PM	EDT	5.19
Low Tide:	2000-05-23	10:44	PM	EDT	0.99
High Tide:	2000-05-24	4:06	AM	EDT	6.17
Low Tide:	2000-05-24	11:30	AM	EDT	0.75

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High Tide:	2000-05-24	4:43	PM	EDT	5.23
Low Tide:	2000-05-24	11:32	PM	EDT	1.09
High Tide:	2000-05-25	4:51	AM	EDT	6.14
Low Tide:	2000-05-25	12:16	PM	EDT	0.81
High Tide:	2000-05-25	5:33	PM	EDT	5.30
Low Tide:	2000-05-26	12:26	AM	EDT	1.14
High Tide:	2000-05-26	5:44	AM	EDT	6.06
Low Tide:	2000-05-26	1:06	PM	EDT	0.82
High Tide:	2000-05-26	6:30	PM	EDT	5.42
Low Tide:	2000-05-27	1:26	AM	EDT	1.12
High Tide:	2000-05-27	6:42	AM	EDT	5.96
Low Tide:	2000-05-27	1:59	PM	EDT	0.76
High Tide:	2000-05-27	7:31	PM	EDT	5.61
Low Tide:	2000-05-28	2:28	AM	EDT	1.00
High Tide:	2000-05-28	7:44	AM	EDT	5.87
Low Tide:	2000-05-28	2:54	PM	EDT	0.64
High Tide:	2000-05-28	8:30	PM	EDT	5.87
Low Tide:	2000-05-29	3:30	AM	EDT	0.77
High Tide:	2000-05-29	8:45	AM	EDT	5.80
Low Tide:	2000-05-29	3:49	PM	EDT	0.47
High Tide:	2000-05-29	9:26	PM	EDT	6.16
Low Tide:	2000-05-30	4:30	AM	EDT	0.47
High Tide:	2000-05-30	9:43	AM	EDT	5.75
Low Tide:	2000-05-30	4:43	PM	EDT	0.29
High Tide:	2000-05-30	10:18	PM	EDT	6.45
Low Tide:	2000-05-31	5:28	AM	EDT	0.15
High Tide:	2000-05-31	10:39	AM	EDT	5.71
Low Tide:	2000-05-31	5:37	PM	EDT	0.12
High Tide:	2000-05-31	11:09	PM	EDT	6.70
Low Tide:	2000-06-01	6:23	AM	EDT	-0.14
High Tide:	2000-06-01	11:33	AM	EDT	5.68
Low Tide:	2000-06-01	6:29	PM	EDT	0.00
High Tide:	2000-06-01	11:59	PM	EDT	6.89
Low Tide:	2000-06-02	7:17	AM	EDT	-0.35
High Tide:	2000-06-02	12:26	PM	EDT	5.64
Low Tide:	2000-06-02	7:22	PM	EDT	-0.06
High Tide:	2000-06-03	12:49	AM	EDT	6.99
Low Tide:	2000-06-03	8:10	AM	EDT	-0.46
High Tide:	2000-06-03	1:19	PM	EDT	5.61
Low Tide:	2000-06-03	8:14	PM	EDT	-0.04
High Tide:	2000-06-04	1:40	AM	EDT	7.00
Low Tide:	2000-06-04	9:02	AM	EDT	-0.47
High Tide:	2000-06-04	2:13	PM	EDT	5.57
Low Tide:	2000-06-04	9:08	PM	EDT	0.05
High Tide:	2000-06-05	2:32	AM	EDT	6.91
Low Tide:	2000-06-05	9:54	AM	EDT	-0.38
High Tide:	2000-06-05	3:10	PM	EDT	5.56
Low Tide:	2000-06-05	10:02	PM	EDT	0.19
High Tide:	2000-06-06	3:27	AM	EDT	6.76
Low Tide:	2000-06-06	10:47	AM	EDT	-0.24
High Tide:	2000-06-06	4:09	PM	EDT	5.57
Low Tide:	2000-06-06	10:58	PM	EDT	0.35
High Tide:	2000-06-07	4:26	AM	EDT	6.56
Low Tide:	2000-06-07	11:40	AM	EDT	-0.07
High Tide:	2000-06-07	5:11	PM	EDT	5.63
Low Tide:	2000-06-07	11:56	PM	EDT	0.49
High Tide:	2000-06-08	5:27	AM	EDT	6.35

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ORIGINAL

Bill,

I spoke to Mike Towle this afternoon (Thursday). Following is a summary of the items we discussed.

1) The cap is to be soil, 12 to 18 inches thick. Mike spoke to the Fish and Wildlife people who requested a 24 inch cap. He wants nothing greater than 18 inches and will try to persuade Fish and Wildlife. I assume we would install a geotextile beneath the soil cover to delineate the new from the old for future reference, 12 inches of structural/grading fill with 6 inches of topsoil.
2) Mike has discussed bank restoration with DNREC. They are prepared to see hard armor on the upper 1/3 of the reach and hopefully a green slope on the rest of the reach. Mike acknowledged the possible use of rip-rap, articulated concrete blocks, geoweb or anything else that would prevent erosion and avoid the need for any maintenance. I did not discuss the realignment of the bank nor the idea of lowering the top of the bank to the existing yard elevation.
3) Mike wants us to generate a performance type spec for the sheetpile wall (water level, acceptable leakage, etc) rather than a hard design. We need to include reference to the existing wooden bulkhead and advise the contractor of the potential for damage to occur. (We need to make sure the alignment of the sheetpile wall does not interfere with the termination of the bank armor/cap.)
4) I informed Mike that a first draft of the E&S drawings would be sent out tomorrow (Friday). He indicated that if it was acceptable that he would send it on to DNREC. However, a little later in the conversation he indicated that he would comment on them and return them for final edits.
5) We also need to send Sviatlana a copy of the drawings.
6) In regard to the scope of work for the drilling and lab testing, I discussed the schedule with him. He will contact Greg Janiec to discuss and will likely shorten the schedule for both drilling and lab testing. I don't know how much less than 3 weeks is realistic for the lab though.

Andrew
x5293