TABLE 3.1
GEOMEMBRANE LINER DESTRUCTIVE SEAM TESTING
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

TSCA Cell – Secondary Liner: Chenango (2003)							
Sample	Avg Shear (ppi)	Spec (ppi)	Pass/ Fail	Avg Peel (Inside) (ppi)	Avg Peel (Outside) (ppi)	Spec (ppi)	Pass/ Fail
DS-1	88	56	Pass	84	70	48	Pass
DS-2	86	56	Pass	83	75	48	Pass
DS-3	85	56	Pass	78	79	48	Pass
TSCA Cell – Primary Liner: Chenango (2003)							
Sample	Avg Shear (ppi)	Spec (ppi)	Pass/ Fail	Avg Peel (Inside) (ppi)	Avg Peel (Outside) (ppi)	Spec (ppi)	Pass/ Fail
DS-4	83	56	Pass	81	80	48	Pass
DS-5	85	56	Pass	72	83	48	Pass
DS-6	85	56	Pass	81	84	48	Pass
Cap Geomembrane: Chenango (2004)							
Sample	Avg Shear (ppi)	Spec (ppi)	Pass/ Fail	Avg Peel (Inside) (ppi)	Avg Peel (Outside) (ppi)	Spec (ppi)	Pass/ Fail
DC-1	97	56	Pass	82	92	48	Pass
DC-2	102	56	Pass	91	89	48	Pass
DC-3	102	56	Pass	91	89	48	Pass
DC-4	100	56	Pass	91	87	48	Pass
DC-5	92	56	Pass	79	85	48	Pass
DC-6	101	56	Pass	86	87	48	Pass
DC-7	107	56	Pass	91	89	48	Pass
DC-8	101	56	Pass	89	89	48	Pass
DC-9	96	56	Pass	88	86	48	Pass
DC-10	103	56	Pass	89	94	48	Pass
DC-11	99	56	Pass	86	77	48	Pass
DC-12	101	56	Pass	89	91	48	Pass
DC-13	95	56	Pass	83	86	48	Pass
DC-14	94	56	Pass	79	86	48	Pass
DC-15	94	56	Pass	85	85	48	Pass
DC-16	92	56	Pass	79	88	48	Pass
DC-17	100	56	Pass	77	83	48	Pass
DC-18	101	56	Pass	87	90	48	Pass
DC-19	99	56	Pass	79	88	48	Pass
DC-20	102	56	Pass	81	85	48	Pass
DC-21	100	56	Pass	79	88	48	Pass
DC-22	101	56	Pass	82	91	48	Pass
DC-23	101	56	Pass	89	87	48	Pass
DC-24	97	56	Pass	82	83	48	Pass
DC-25	100	56	Pass	79	87	48	Pass
DC-26	103	56	Pass	90	88	48	Pass
DC-27	98	56	Pass	79	80	48	Pass
DC-28	101	56	Pass	89	89	48	Pass
DC-29	99	56	Pass	87	86	48	Pass
DC-30	88	56	Pass	86	85	48	Pass
DC-31	102	56	Pass	71	84	48	Pass
Cap Geomembrane: Antanna (2006)							
Sample	Avg Shear (ppi)	Spec (ppi)	Pass/ Fail	Avg Peel (A-Side) (ppi)	Avg Peel (B-Side) (ppi)	Spec (ppi)	Pass/ Fail
DS-1	112	56	Pass	95	88	48	Pass
DS-2	110	56	Pass	97	92	48	Pass
DS-3	114	56	Pass	91	83	48	Pass
DS-4	98	56	Pass	86	70	48	Pass
DS-5	110	56	Pass	95	96	48	Pass
DS-6	109	56	Pass	90	87	48	Pass

TABLE 3.2
ESTIMATED EXCAVATION VOLUMES
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Excavation Area	Design Quantity[1] (cy)	Excavated Ouantity[2] (cy)	+/- (cy)
South Area			
Area L-1	8	8	0
Area L-2	15	24	9
Area L-2A	0	1,096	1,096
Area L-3	720	890	170
Area L-4	0	1,048	1,048
Area L-5	0	373	373
South Area Total	**743**	**3,439**	**2,696**
Waste Oil Pit			
Waste Oil Pit[3]	**800**	**805**	**5**
Groundwater Extraction Trench			
Groundwater Extraction Trench[4]	**3,800**	**3,800**	**0**
North Area			
Area N-1	960	242	(718)
Area N-2	960	568	(392)
Area N-3		2,293	2,293
North Area Total	**1,920**	**3,103**	**1,183**
South Pond/Herrick Hollow Creek Floodplain			
Segment 21 (South Pond)	**8,300**	**14,942**	**6,642**
Segment 20	1,410	1,208	(202)
Segment 19	930	824	(106)
Segment 18	165	427	262
Segment 17	590	1,191	601
Segment 16	560	605	45
Segment 15	1,130	1,185	55
Segment 14	1,570	1,614	44
Segment 13 (USEPA Pond #2)	1,050	1,553	503
Segment 12 (USEPA Pond #6)	550	623	73
Segment 12 (USEPA Pond #3)	0	0	0
Segment 11 (USEPA Pond #4)	300	156	(144)
Segment 10 (USEPA Pond #5)	150	149	(1)
Segments 9 & 10 (USEPA Pond #1)	5,200	4,043	(1,157)
Floodplain[5]	950	0	(950)
Herrick Hollow Creek Total	**14,555**	**13,578**	**(977)**
Sediment Total	**22,855**	**28,520**	**5,665**
Total Estimated Excavation Volumes	**29,318**	**38,862**	**9,544**

Notes:

1. From Design Drawings C-3, C-4, C-4A, and C-5
2. From survey estimates by B&B Hi-Tech Solutions or as documented in the field.
3. Waste Oil Pit soils not included in total; did not result in net increase in material volume beneath cap.
4. Design volume assumed excavated.
5. Floodplain excavated volume reflected in sediment volumes for segments 9 through 13.

TABLE 3-3
CONFIRMATORY SAMPLING RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2003 SAMPLING											
RHRL-L2	05/27/03	Confirmatory	Area L-2	Composite			5476	14 J	26%		See 6/26/03 test #L2-001 for retest after additional excavation
L1-001	06/13/03	Confirmatory	Area L-1	Composite			5644	0.19 J	29%		
L2-001	06/26/03	Confirmatory	Area L-2	Composite			5769	0.55 J	12%		Retest at Area L2 (5/27/03 RHRL-LA) after additional excavation
L2R-0626031115-SS006	06/26/03	Confirmatory	Area L-2	Composite						0.383	Sample collected by EarthTech
AR-0626031100SS0006	"	Site Characterization	Along access road	Composite of 3 samples						6.23	Sample collected by EarthTech. See Area L-5.
L5-0714030950SS0812	07/14/03	Site Characterization	Area L-5							5.5	Sample collected by EarthTech
2003 Field Batch #1											
L5D-071503	07/14/03	Site Characterization	Area L-5	60' NW of decon pad	3.06	3.63					See retest in 2003 batch #5 after excavation
L5E-071503	"	"	"	40' NW of decon pad	<0.5	<0.6					
L5F-071503	"	"	"	20' NW of decon pad	1.30	1.53					See retest in 2003 batch #5 after excavation
SPC1-071503	07/15/03	"	South Pond	Clay	<0.5	<0.6					Sample collected south of >50 ppm area
SPC2-071503	"	"	"	Clay	<0.5	<0.6					Sample collected south of >50 ppm area
SPC3-071503	"	"	"	Peat Residue	1.76	2.07					Sample collected south of >50 ppm area
TP-1	07/16/03	Site Characterization	Area L-4	Test Pit 1 (N. end of RHR)			5918	64	7%		See retest in 2003 batch #2 after excavation
TP-4	"	"	"	Test Pit 4 (S. end of RHR)			"	0.14	6%		See retest in 2003 batch #2 after excavation
2003 Field Batch #2											
RE1-090903	09/09/03	Confirmatory	Area L-4	North Wall	<0.5	<0.6					Retest at Area L-4 after excavation.
RE2-900903	"	"	"	"	<0.5	<0.6					Retest at Area L-4 after excavation.
2003 Field Batch #3											
1A-091203	09/12/03	Site Characterization	S. Pond re-route trench		<0.5	<0.6					
1B-091203	"	"	"		0.55	0.65					
2A-091203	"	"	"		<0.5	<0.6					
2B-091203	"	"	"		<0.5	<0.6					
3A-091203	"	"	"		<0.5	<0.6					
3B-091203	"	"	"		<0.5	<0.6					
2003 Field Batch #4											
SS1-092303	09/23/03	Confirmatory	South Pond	Near weir	<0.5	<0.6					
SS1 DUP-092303	"	"	"	"	<0.5	<0.6					
SS2-092303	"	"	"	"	<0.5	<0.6					
SS3-092303	"	"	"	"	<0.5	<0.6					
SS4-092303	"	"	"	East edge, east of weir	<0.5	<0.6					
SS5-092303	"	"	"	East edge, next to tel. pole	<0.5	<0.6					
SS6-092303	"	"	"	East edge, north of tel. pole	<0.5	<0.6					
SS6 DUP-092303	"	"	"	"	<0.5	<0.6					

CONFIRMATORY SAMPLING RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassay Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
WOP B-1	10/28/03	Confirmatory	Waste Oil Pit	B1			6651	230	5%		Cleanup goal for Waste Oil Pit = 500 ppm PCBs
WOP B-2	"	"	"	B2			"	90	5%		" " " " " " " " "
WOP B-3	"	"	"	B3			"	120	9%		" " " " " " " " "
WOP B-4	"	"	"	B4			"	140	10%		" " " " " " " " "
WOP B-5	"	"	"	B5			"	14	5%		" " " " " " " " "
WOP B-6	"	"	"	B6			"	110	6%		" " " " " " " " "
WOP E-1	"	"	"	E1			"	100	16%		" " " " " " " " "
WOP E-2	"	"	"	E2			"	15	7%		" " " " " " " " "
WOP E-3	"	"	"	E3			"	56	14%		" " " " " " " " "
WOP W-1	"	"	"	W1			"	290	13%		" " " " " " " " "
WOP W-2	"	"	"	W2			"	73	14%		" " " " " " " " "
WOP W-3	"	"	"	W3			"	77	16%		" " " " " " " " "
WOP 1	"	Disposal Characterization	Waste Oil Pit	From stockpiles			"	200	15%		
WOP 2	"	"	"	"			"	150	12%		
WOP 2A	"	"	"	"			"	77	10%		
WOP 3	"	"	"	"			"	1900	24%		
WOP 4	"	"	"	"			"	97	10%		
WOP 5	"	"	"	"			"	140	16%		
WOP 6	"	"	"	"			"	1400	20%		
WOP 7	"	"	"	"			"	6100	17%		
WOP 8	"	"	"	"			"	750	13%		
2003 Field Batch #5											
L5-01-110503	11/05/03	Confirmatory	Area L-5	01	<0.5	<0.6			`		Retest of Area L-5 after excavation.
L5-02-110503	"	"	"	02	0.51	0.60					Retest of Area L-5 after excavation.
L5-03-110503	"	"	"	03	<0.5	<0.6					Retest of Area L-5 after excavation.
L5-04-110503	"	"	"	04	<0.5	<0.6					Retest of Area L-5 after excavation.
L5-05-110503	"	"	"	05	<0.5	<0.6					Retest of Area L-5 after excavation.
L5-06-110503	"	"	"	06	<0.5	<0.6					Retest of Area L-5 after excavation.
WOP 3, 6, 7, 8	11/05/03	Disposal Characterization	Waste Oil Pit	From stockpiles			6732	14000	18%		Also VOCs, TCLP Metals
WTP-Area 1	11/13/03	Confirmatory	Temp WTP Area							<0.26	Sample collected by Shaw.
WTP-Area 2	"	"	"							<0.26	"
SP-1 thru SP-8	11/17/03	Disposal Characterization	Waste Oil Pit	From stockpiles			6828	-	-		VOCs only.
2004 SAMPLING											
Segment 18/19-01-061104	06/11/04	Disposal Characterization	HHC Segment 19	01			8141	5.6	42%		<50 ppm - Disposal in TSCA cell not required
Segment 18/19-02-061104	"	"	"	02			"	0.68	62%		" " " " " "
Segment 18/19-03-061104	"	"	"	03			"	3.53	71%		" " " " " "
Segment 18/19-04-061104	"	"	HHC Segment 18/19	04			"	1.85	66%		" " " " " "
Segment 18/19-05-061104	"	"	HHC Segment 19	05			"	0.46	66%		" " " " " "
Segment 18/19-06-061104	"	"	"	06			"	0.132	70%		" " " " " "
Segment 18/19-07-061104	"	"	HHC Segment 18/19	07			"	0.149	35%		" " " " " "
Segment 18/19-08-061104	"	"	HHC Segment 18	8			"	3.35	45%		" " " " " "
Segment 18/19-09A-061104	"	"	HHC Segment 19	09A			"	0.086	54%		" " " " " "
Segment 18/19-09B-061104	"	"	HHC Segment 19	09B			"	0.80	67%		" " " " " "
Segment 18/19-10A-061104	"	"	HHC Segment 18/19	10A			"	0.42	55%		" " " " " "
Segment 18/19-10B-061104	"	"	HHC Segment 18	10B			"	0.109	43%		" " " " " "
Segment 18/19-11A-061104	"	"	HHC Segment 18	11A			"	6.2	28%		" " " " " "
Segment 18/19-11B-061104	"	"	HHC Segment 18/19	11B			"	2.53	64%		" " " " " "
Segment 18/19-11C-061104	"	"	HHC Segment 19	11C			"	0.47	38%		" " " " " "

CONFIRMATORY SAMPLING RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #1											
SP-01-G06-061204 & SP-17-G06-061204 (lab)	06/12/04	Confirmatory	South Pond	G6	2.41	2.84	8153	0.48	30%		See retest in batch #10 after additional excavation
SP-02-G07-061204	"	"	"	G7	<0.5	<0.6					
SP-03-G08-061204	"	"	"	G8	<0.5	<0.6					
SP-04-G09-061204	"	"	"	G9	<0.5	<0.6					
SP-05-G10-061204	"	"	"	G10	<0.5	<0.6					
SP-06-G11-061204	"	"	"	G11	<0.5	<0.6					
SP-07-G12-061204	"	"	"	G12	<0.5	<0.6					
SP-08-G13-061204	"	"	"	G13	<0.5	<0.6					
SP-09-G14-061204	"	"	"	G14	<0.5	<0.6					
SP-10-H07-061204	"	"	"	H7	<0.5	<0.6					
SP-11-H08-061204 & SP-18-H08-061204 (lab)	"	"	"	H8	<0.5	<0.6	8153	0.81	23%		
SP-12-H09-061204	"	"	"	H9	<0.5	<0.6					
SP-13-H10-061204	"	"	"	H10	<0.5	<0.6					
SP-14-H11-061204	"	"	"	H11	<0.5	<0.6					
SP-15-H12-061204	"	"	"	H12	<0.5	<0.6					
SP-16-H13-061204	"	"	"	H13	<0.5	<0.6					
2004 Field Batch #2											
SP-01-F05-061504	06/12/04	Confirmatory	South Pond	F5	<0.5	<0.6					
SP-02-F06-061504	"	"	"	F6	<0.5	<0.6					
SP-03-F07-061504	"	"	"	F7	<0.5	<0.6					
SP-04-F08-061504	"	"	"	F8	<0.5	<0.6					
SP-05-F09-061504	"	"	"	F9	<0.5	<0.6					
SP-06-F10-061504	"	"	"	F10	<0.5	<0.6					
SP-07-F11-061504	"	"	"	F11	<0.5	<0.6					
SP-08-F12-061504	"	"	"	F12	<0.5	<0.6					
SP-09-F13-061504	"	"	"	F13	<0.5	<0.6					
SP-10-F14-061504	"	"	"	F14	<0.5	<0.6					
SP-11-F15-061504	"	"	"	F15	<0.5	<0.6					
SP-12-E15-061504 & SP-22-E15-061504 (lab)	"	"	"	E15	1.54	1.81	8213	2.6	17%		See retest in batch #10 after additional excavation
SP-13-E14-061504	"	"	"	E14	<0.5	<0.6					
SP-14-E13-061504	"	"	"	E13	<0.5	<0.6					
SP-15-E12-061504	"	"	"	E12	0.59	0.69				0.52	A sample also collected by NYCDEP
SP-16-E11-061504	"	"	"	E11	<0.5	<0.6					
SP-17-E10-061504	"	"	"	E10	0.81	0.95					
SP-18-E09-061504	"	"	"	E9	<0.5	<0.6					
SP-19-E08-061504 & SP-21-E08-061504 (lab)	"	"	"	E8	9.67	11.38	8213	1.7	17%	2.0	A sample also collected by NYCDEP. See retest in batch #10 after additional excavation
SP-20-E07-061504	"	"	"	E7	0.79	0.93					

CONFIRMATORY SAMPLING RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassay Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #3											
SP-01-D07-061704	06/17/04	Confirmatory	South Pond	D7	<0.5	<0.6				0.24	A sample also collected by NYCDEP
SP-02-D08-061704	"	"	"	D8	<0.5	<0.6					
SP-03-D09-061704 & SP-15-D09-061704 (lab)	"	"	"	D9	1.11	1.31	8213	3.6	18%		See retest in batch #9 after additional excavation
SP-04-D10-061704	"	"	"	D10	<0.5	<0.6				1.1	A sample also collected by NYCDEP. See retest in batch #9 after additional excavation.
SP-05-D11-061704	"	"	"	D11	<0.5	<0.6					
SP-06-D12-061704	"	"	"	D12	<0.5	<0.6					
SP-07-D13-061704	"	"	"	D13	<0.5	<0.6					
SP-08-D14-061704	"	"	"	D14	<0.5	<0.6					
SP-09-D15-061704	"	"	"	D15	<0.5	<0.6					
SP-10-C08-061704	"	"	"	C8	<0.5	<0.6					
SP-11-C09-061704 & SP-16-C09-061704 (lab)	"	"	"	C9	1.29	1.52	8213	0.1	23%		See retest in batch #9 after additional excavation
SP-12-C10-061704	"	"	"	C10	<0.5	<0.6					
SP-13-C11-061704 & SP-17-C11-061704 (lab)	"	"	"	C11	1.04	1.22	8213	0.47	26%		See retest in batch #10 after additional excavation
SP-14-C12-061704	"	"	"	C12	<0.5	<0.6					
2004 Field Batch #4											
SP-18-B04-061704	06/17/04	Confirmatory	South Pond	B4	<0.5	<0.6					
SP-19-B05-061704	"	"	"	B5	<0.5	<0.6					
SP-20-B06-061704	"	"	"	B6	<0.5	<0.6					
SP-21-B07-061704 & SP-33 B07-061704 (lab)	"	"	"	B7	<0.5	<0.6	8213	0.46	15%	0.74	A sample also collected by NYCDEP
SP-22-B08-061704	"	"	"	B8	<0.5	<0.6					
SP-23-B09-061704	"	"	"	B9	<0.5	<0.6				0.59	A sample also collected by NYCDEP
SP-24-B10-061704	"	"	"	B10	<0.5	<0.6					
SP-25-B11-061704	"	"	"	B11	<0.5	<0.6					
SP-26-C05-061704 & SP-34-C05-061704 (lab)	"	"	"	C5	<0.5	<0.6	8213	2.3	20%		See retest in batch #8 after additional excavation
SP-27-C06-061704	"	"	"	C6	<0.5	<0.6					
SP-28-C07-061704	"	"	"	C7	<0.5	<0.6					
SP-29-D05-061704	"	"	"	D5	<0.5	<0.6					
SP-30-D06-061704	"	"	"	D6	<0.5	<0.6					
SP-31-E05-061704	"	"	"	E5	<0.5	<0.6					
SP-32-E06-061704	"	"	"	E6	<0.5	<0.6					
2004 Field Batch #5											
Segment 20-B1-062404	06/24/04	Confirmatory	HHC Segment 20	B1	1.38	1.62	8295	5.5	20%		See retest in batch #11 after additional excavation
Segment 20-B2-062404	"	"	"	B2	<0.5	<0.6	"	0.48 J	7%		
Segment 20-B3-062404	"	"	"	B3	1.33	1.56	"	4.0	22%		See retest in batch #11 after additional excavation
Segment 20-B4-062404	"	"	"	B4	<0.5	<0.6	"	0.69	9%		
Segment 20-B5-062404	"	"	"	B5	1.35	1.59	"	0.90	21%		See retest in batch #12 after additional excavation
Segment 20-B6-062404	"	"	"	B6	0.96	1.13	"	1.9	13%		See retest in batch #11 after additional excavation
Segment 20-B7-062404	"	"	"	B7	<0.5	<0.6	"	1.5	31%		See retest in batch #11 after additional excavation
Segment 20-B8-062404	"	"	"	B8	<0.5	<0.6	"	0.73	18%		See retest in batch #11
Segment 20-B9-062404	"	"	"	B9	0.69	0.81	"	1.4	25%		See retest in batch #11 after additional excavation
Segment 20-B10-062404	"	"	"	B10	1.30	1.53	"	3.4 J	22%		See retest in batch #11 after additional excavation
Segment 20-B11-062404	"	"	"	B11	<0.5	<0.6	"	0.85	20%		
Segment 20-B12-062404	"	"	"	B12	<0.5	<0.6	"	1.3 J	15%		See retest in batch #11 after additional excavation.

CONFIRMATORY SAMPLING RESULTS
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Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #6											
Segment 20-W1-062404	06/24/04	Confirmatory	HHC Segment 20	W-1	<0.5	<0.6	8295	0.71	19%		
Segment 20-W2-062404	"	"	"	W-2	<0.5	<0.6	"	0.018 J	29%		
Segment 20-W3-062404	"	"	"	W-3	<0.5	<0.6	"	0.025	22%		
Segment 20-W4-062404	"	"	"	W-4	<0.5	<0.6	"	0.029	25%		
Segment 20-B13-062404	"	"	"	B13	<0.5	<0.6	"	0.023	12%		
Segment 20-B14-062404	"	"	"	B14	<0.5	<0.6	"	0.22	15%		
Segment 20-B15-062404	"	"	"	B15	<0.5	<0.6	"	0.84	14%		
Segment 20-B16-062404	"	"	"	B16	<0.5	<0.6	"	0.68 J	19%		
Segment 20-B17-062404	"	"	"	B17	0.98	1.15	"	2.4	39%		See retest in batch #11 after additional excavation
Segment 20-B18-062404	"	"	"	B18	<0.5	<0.6	"	0.22	25%		
Segment 20-B19-062404	"	"	"	B19	<0.5	<0.6	"	0.69	17%		
Segment 20-B20-062404	"	"	"	B20	<0.5	<0.6	"	0.019	12%		
Segment 20-B21-062404	"	"	"	B21	<0.5	<0.6	"	0.17	18%		
2004 Field Batch #7											
SP-C6-062404	06/24/04	Confirmatory	South Pond	C6	5.13	6.04	8295	9.7	29%		See batch #8 for retest after additional excavation.
SP-D6-062404	"	"	"	D6	3.77	4.44	"	5.3	28%		See batch #10 for retest after additional excavation.
SP-Stockpile 1-062404	"	Disposal Characterization	South Pond Stockpile	ST-1	<0.5	<0.6	"	0.38	2%		
SP-Stockpile 2-062404	"	"	"	ST-2	<0.5	<0.6	"	0.82	4%		
SP-Stockpile 3-062404	"	"	"	ST-3	<0.5	<0.6	"	0.80	12%		
2004 Field Batch #8											
Segment 20-B22-062804	06/28/04	Confirmatory	HHC Segment 20	B22	<0.5	<0.6					
Segment 20-B24-062804	"	"	"	B24	<0.5	<0.6					
Segment 20-B25-062804	"	"	"	B25	<0.5	<0.6					
Segment 20-B26-062804	"	"	"	B26	<0.5	<0.6					
Segment 20-W5-062804	"	"	"	W5	<0.5	<0.6					
Segment 20-W6-062804	"	"	"	W6	<0.5	<0.6					
SP-C5-062804	"	"	South Pond	C5	<0.5	<0.6					Retest of batch #7 location after additional excavation
SP-C6-062804	"	"	"	C6	<0.5	<0.6					Retest of batch #7 location after additional excavation
2004 Field Batch #9											
SP-C8-062904	06/29/04	Confirmatory	South Pond	C8	<0.5	<0.6					Retest of batch #3 location after additional excavation
SP-C9-062904	"	"	"	C9	<0.5	<0.6					Retest of batch #3 location after additional excavation
SP-D9-062904	"	"	"	D9	<0.5	<0.6					Retest of batch #3 location after additional excavation
SP-D10-062904	"	"	"	D10	<0.5	<0.6					Retest of batch #3 location after additional excavation
Segment 18-B4-062904	"	"	HHC Segment 18	B4	<0.5	<0.6					
Segment 18-W1-062904	"	"	"	W1	<0.5	<0.6					
Segment 18-W2-062904	"	"	"	W2	<0.5	<0.6					
Segment 19-B9-062904	"	"	HHC Segment 19	B9	<0.5	<0.6					
Segment 19-B10-062904	"	"	"	B10	<0.5	<0.6					
Segment 19-B13-062904	"	"	"	B13	<0.5	<0.6					
Segment 19-W1-062904	"	"	"	W1	<0.5	<0.6					
Segment 19-W2-062904	"	"	"	W2	1.32	1.55					See retest in batch #2 after additional excavation.

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Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassay Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #10											
SP-C7-062904	06/29/04	Confirmatory	South Pond	C7	<0.5	<0.6					
SP-C11-062904	"	"	"	C11	<0.5	<0.6					Retest of batch #3 location after additional excavation
SP-D6-062904	"	"	"	D6	<0.5	<0.6					Retest of batch #7 location after additional excavation
SP-E8-062904	"	"	"	E8	<0.5	<0.6					Retest of batch #2 location after additional excavation
SP-E15-062904	"	"	"	E15	<0.5	<0.6					Retest of batch #2 location after additional excavation
SP-G6-062904	"	"	"	G6	<0.5	<0.6					Retest of batch #1 location after additional excavation
Segment 18-B1-062904	"	"	HHC Segment 18	B1	<0.5	<0.6					
Segment 19-B1-062904	"	"	HHC Segment 19	B1	<0.5	<0.6					
Segment 19-B2-062904	"	"	"	B2	<0.5	<0.6					
Segment 19-B10-062904	"	"	"	B10	<0.5	<0.6					
Segment 19-B11-062904	"	"	"	B11	<0.5	<0.6					
Segment 19-B14-062904	"	"	"	B14	4.19	4.93					See retest in batch #12 after additional excavation
2004 Field Batch #11											
Segment 19-B3-063004	6/302004	Confirmatory	HHC Segment 19	B3	<0.5	<0.6					
Segment 20-B1-063004	"	"	HHC Segment 20	B1	<0.5	<0.6					Retest of batch #5 location after additional excavation
Segment 20-B3-063004	"	"	"	B3	<0.5	<0.6					Retest of batch #5 location after additional excavation
Segment 20-B6-063004	"	"	"	B6	<0.5	<0.6					Retest of batch #5 location after additional excavation
Segment 20-B7-063004	"	"	"	B7	<0.5	<0.6					Retest of batch #5 location after additional excavation
Segment 20-B8-063004	"	"	"	B8	<0.5	<0.6					Retest of batch #5 location (confirmation only - no additional excavation)
Segment 20-B9-063004	"	"	"	B9	<0.5	<0.6					Retest of batch #5 location after additional excavation
Segment 20-B10-063004	"	"	"	B10	<0.5	<0.6					Retest of batch #5 location after additional excavation
Segment 20-B12-063004	"	"	"	B12	<0.5	<0.6					Retest of batch #5 location after additional excavation
Segment 20-B17-063004	"	"	"	B17	<0.5	<0.6					Retest of batch #6 location after additional excavation
Segment 20-B23-063004	"	"	"	B23	<0.5	<0.6					
Segment 20-B28-063004	"	"	"	B28	<0.5	<0.6					
2004 Field Batch #12											
Segment 18-B2-063004	06/30/04	Confirmatory	HHC Segment 18	B2	<0.5	<0.6	8332	0.0026 JN	17%		
Segment 18-B3-063004	"	"	"	B3	<0.5	<0.6	"	<0.020 J	15%		
Segment 19-B7-063004	"	"	HHC Segment 19	B7	<0.5	<0.6					
Segment 19-B8-063004	"	"	"	B8	<0.5	<0.6					
Segment 19-B14-063004&	"	"	"	B14	<0.5	<0.6	8332	<0.018 J	8%		Retest of batch #10 location after additional excavation
Segment 19-B14-070104 (lab)											
Segment 19-W2-063004	"	"	"	W2	0.73	0.86					Retest of batch #9 location after additional excavation
Segment 20-B5-063004	"	"	HHC Segment 20	B5	<0.5	<0.6					Retest of batch #5 location after additional excavation
Segment 20-B27-063004	"	"	"	B27	<0.5	<0.6					
Segment 20-B29-063004	"	"	"	B29	<0.5	<0.6					
Segment 16-01-070604	7/6/04	Disposal Characterization	HHC Segment 16	01			8355	0.79	58%		
Segment 16-02-070604	"	"	"	02			"	2.7	45%		
Segment 16-03-070604	"	"	"	03			"	8.2	59%		
Segment 16-04-070604	"	"	"	04			"	60	63%		
Segment 16-05-070604	"	"	"	05			"	160	52%		
Segment 16-06-070604	"	"	"	06			"	27	64%		
F1A-01-070804	07/08/04	Site Characterization	HHC Sample Location F1A	01			8377	1.6 J	72%		See Segment 12 samples B-12, W-10 in batch #42 after excavation.
F1A-02-070804	"	"	"	02			"	0.43 J	74%		
F1A-03-070804	"	"	"	03			"	0.053 J	66%		
F1A-04-070804	"	"	"	04			"	1.4 J	70%		See Segment 11 samples B-5, B-6, W-2 in batch #43 after excavation.
F1A-05-070804	"	"	"	05			"	0.25 J	61%		
F1A-06-070804	"	"	"	06			"	0.016 J	70%		

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					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
SVE-01-071304	07/13/04	Disposal Characterization	SVE Stockpile	01			8425	1000	78%		
SVE-02-071304	"	"	"	02			"	NA			TCLP Metals only
SVE-03-071304	"	"	"	03			"	NA			VOCs only
2004 Field Batch #13											
Segment 17-B1-071404	07/14/04	Confirmatory	HHC Segment 17	B1	<0.5	<0.6					
Segment 17-B3-071404	"	"	"	B3	<0.5	<0.6					
Segment 17-B4-071404	"	"	"	B4	<0.5	<0.6					
Segment 17-B5-071404	"	"	"	B5	1.00	1.18					See retest in batch #15 after additional excavation
Segment 17-B7-071404	"	"	"	B7	<0.5	<0.6					
Segment 17-B8-071404	"	"	"	B8	<0.5	<0.6					
Segment 17-B9-071404	"	"	"	B9	<0.5	<0.6					
Segment 17-B10-071404	"	"	"	B10	2.74	3.22					See retest in batch #15 after additional excavation
Segment 17-W1-071404	"	"	"	W1	<0.5	<0.6					
Segment 17-W2-071404	"	"	"	W2	<0.5	<0.6					
Segment 17-W4-071404	"	"	"	W4	<0.5	<0.6					
Segment 17-W5-071404	"	"	"	W5	<0.5	<0.6					
2004 Field Batch #14											
Segment 17-B2-071404	07/14/04	Confirmatory	HHC Segment 17	B2	<0.5	<0.6					
Segment 17-B6-071404	"	"	"	B6	<0.5	<0.6					
Segment 17-B11-071404	"	"	"	B11	<0.5	<0.6					
Segment 17-B12-071404	"	"	"	B12	<0.5	<0.6					
Segment 17-B14-071404	"	"	"	B14	<0.5	<0.6					
Segment 17-B16-071404	"	"	"	B16	0.72	0.85					
Segment 17-W3-071404	"	"	"	W3	<0.5	<0.6					
Segment 17-W6-071404	"	"	"	W6	2.51	2.95					See retest in batch #15 after additional excavation
Segment 17-W7-071404	"	"	"	W7	<0.5	<0.6					
Segment 17-W8-071404	"	"	"	W8	<0.5	<0.6					
Segment 17-W9-071404	"	"	"	W9	<0.5	<0.6					
2004 Field Batch #15											
Segment 17-B13-071404	07/14/04	Confirmatory	HHC Segment 17	B13	<0.5	<0.6					
Segment 17-B15-071404	"	"	"	B15	2.25	2.65					See retest in batch #15 after additional excavation
Segment 17-B17-071404	"	"	"	B17	<0.5	<0.6					
Segment 17-B18-071404	"	"	"	B18	<0.5	<0.6					
Segment 17-W10-071404	"	"	"	W10	<0.5	<0.6					
Segment 17-B5-071604	07/16/04	Confirmatory	HHC Segment 17	B5			8436	0.29 J	32%		Retest of batch #13 location after additional excavation
Segment 17-B10-071604	"	"	"	B10			"	0.12 J	17%		Retest of batch #13 location after additional excavation
Segment 17-B15-071604	"	"	"	B15			"	<0.020 J	14%		Retest of batch #14 location after additional excavation
Segment 17-W6-071604	"	"	"	W6			"	0.95 J	38%		Retest of batch #14 location after additional excavatior

CONFIRMATORY SAMPLING RESULTS
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					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #16											
Segment 16-B1-072104	07/21/04	Confirmatory	HHC Segment 16	B1	1.07	1.26					See batch #17 for retest after additional excavation
Segment 16-B2-072104	"	"	"	B2	<0.5	<0.6					
Segment 16-B3-072104	"	"	"	B3	<0.5	<0.6					
Segment 16-B4-072104	"	"	"	B4	<0.5	<0.6					
Segment 16-B5-072104	"	"	"	B5	<0.5	<0.6					
Segment 16-B6-072104	"	"	"	B6	<0.5	<0.6					
Segment 16-W1-072104	"	"	"	W1	<0.5	<0.6					
Segment 16-W2-072104	"	"	"	W2	<0.5	<0.6					
Segment 16-W3-072104	"	"	"	W3	5.19	6.10	8488	4.8 J	43%		See batch # 17 for retest after additional excavation
Segment 16-W4-072104	"	"	"	W4	2.71	3.19	"	0.073 J	23%		See batch # 17 for retest after additional excavation
Segment 16-W5-072104	"	"	"	W5	<0.5	<0.6					
Segment 16-W6-072104	"	"	"	W6	<0.5	<0.6					
WP-9+50 to 9+0	"	Quality surveillance check	Work Platform	Station 9+50 to 9+00	<0.5	<0.6					Work platform quality surveillance check station 9+50 to 9+0
WP-10+50 to10+0	"	Quality surveillance check	Work Platform	Station 10+50 to 10+00	<0.5	<0.6					Work platform quality surveillance check station 10+50 to 10+0
2004 Field Batch #17											
Segment 16-B1-072204	07/22/04	Confirmatory	HHC Segment 16	B1	<0.5	<0.6					Retest of batch #16 location after additional excavation
Segment 16-W3-072204	"	"	"	W3	<0.5	<0.6					Retest of batch #16 location after additional excavation
Segment 16-W4-072204	"	"	"	W4	<0.5	<0.6					Retest of batch #16 location after additional excavation
Segment 15-B1-072304	07/23/04	"	HHC Segment 15	B1	<0.5	<0.6					
Segment 15-B2-072304	"	"	"	B2	<0.5	<0.6					
Segment 15-B3-072304	"	"	"	B3	<0.5	<0.6					
Segment 15-W1-072304	"	"	"	W1	<0.5	<0.6					
Segment 15-W2-072304	"	"	"	W2	<0.5	<0.6					
2004 Field Batch #18											
Segment 15-B4-072804	07/28/04	Confirmatory	HHC Segment 15	B4	<0.5	<0.6					
Segment 15-B5-072804	"	"	"	B5	<0.5	<0.6					
Segment 15-B6-072804	"	"	"	B6	0.69	0.81					
Segment 15-B7-072804	"	"	"	B7	3.96	4.66	8539	3.9 J	39%		See batch #19 for retest after additional excavation
Segment 15-W3-072804	"	"	"	W3	<0.5	<0.6					
Segment 15-W4-072804	"	"	"	W4	<0.5	<0.6					
Segment 15-W5-072804	"	"	"	W5	1.28	1.51	8539	1.2 J	34%		See batches # 19 & 20 for retests after additional excavation
Segment 15-W6-072804	"	"	"	W6	1.18	1.39					See batch #19 for retest after additional excavation
2004 Field Batch #19											
Segment 15-B7-073004	07/30/04	Confirmatory	HHC Segment 15	B7	<0.5	<0.6					Retest of batch #18 location after additional excavation
Segment 15-B8-083004	"	"	"	B8	2.82	3.32					See batch # 20 for retest after additional excavation
Segment 15-B9-073004	"	"	"	B9	<0.5	<0.6					
Segment 15-B10-073004	"	"	"	B10	<0.5	<0.6					
Segment 15-B11-073004	"	"	"	B11	2.29	2.69					See batch # 20 for retest after additional excavation
Segment 15-B12-073004	"	"	"	B12	1.22	1.44					See batch # 20 for retest after additional excavation
Segment 15-W5-073004	"	"	"	W5	19.4	22.8					Retest of batch #18. See batch # 20 for retest after additional excavation
Segment 15-W6-073004	"	"	"	W6	<0.5	<0.6					Retest of batch #18 location after additional excavation
Segment 15-W7-073004	"	"	"	W7	<0.5	<0.6					
Segment 15-W8-073004	"	"	"	W8	5.55	6.53					See batch #20 for retest after additional excavation
Segment 15-W9-073004	"	"	"	W9	<0.5	<0.6					
Segment 15-W10-073004	"	"	"	W10	2.16	2.54					See batches #20 & 21 for retests after additional excavation

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Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #20											
Segment 15-B8-080204	08/02/04	Confirmatory	HHC Segment 15	B8	<0.5	<0.6					Retest of batch #19 location after additional excavation
Segment 15-B11-080204	"	"	"	B11	<0.5	<0.6					Retest of batch #19 location after additional excavation
Segment 15-B12-080204	"	"	"	B12	0.77	0.91					Retest of batch #19 location after additional excavation
Segment 15-B14-080204	"	"	"	B14	2.74	3.22	8564	1 J	31%		See batch #21 for retest after additional excavation
Segment 15-W5-080204	"	"	"	W5	<0.5	<0.6					Retest of batch #19 location after additional excavation
Segment 15-W8-080204	"	"	"	W8	<0.5	<0.6					Retest of batch #19 location after additional excavation
Segment 15-W10-080204	"	"	"	W10	10.39	12.22	8564	1.7 J	25%		Retest of batch #20 location. See batch # 21 for retest after additional ex.
2004 Field Batch #21											
Segment 15-B13-080304	08/03/04	Confirmatory	HHC Segment 15	B13	<0.5	<0.6					
Segment 15-B14-080304	"	"	"	B14	<0.5	<0.6					Retest of batch #20 location after additional excavation
Segment 15-B15-080304	"	"	"	B15	0.89	1.05					See batch #23 for retest after additional excavation
Segment 15-B16-080304	"	"	"	B16	<0.5	<0.6					
Segment 15-B17-080404	08/04/04	"	"	B17	0.87	1.02					See batch #23 for retest after additional excavation
Segment 15-B18-080404	"	"	"	B18	<0.5	<0.6					
Segment 15-W10-080404	"	"	"	W10	<0.5	<0.6					
Segment 15-W11-080404	"	"	"	W11	<0.5	<0.6					
Segment 15-W12-080404	"	"	"	W12	2.25	2.65	8582	0.86 J	37%		See batch #23 for retest after additional excavation
2004 Field Batch #22											
Segment 15-B19-080404	08/04/04	Confirmatory	HHC Segment 15	B19	<0.5	<0.6					
Segment 15-B20-080404	"	"	"	B20	<0.5	<0.6					
Segment 15-W13-080404	"	"	"	W13	1.17	1.38	8582	3.7 J	38%		See batch #23 for retest after additional excavation
Segment 15-W14-080404	"	"	"	W14	<0.5	<0.6					
2004 Field Batch #23											
Segment 15-B15-080504	08/05/04	Confirmatory	HHC Segment 15	B15	<0.5	<0.6					Retest of batch #21 location after additional excavation
Segment 15-B17-080504	"	"	"	B17	<0.5	<0.6					Retest of batch #21 location after additional excavation
Segment 15-W12-080504	"	"	"	W12	<0.5	<0.6					Retest of batch #21 location after additional excavation
Segment 15-W13-080504	"	"	"	W13	<0.5	<0.6					Retest of batch #22 location after additional excavation
2004 Field Batch #24											
WP 1+50 To 1+0-081804	08/18/04	Quality Surveillance	Work Platform	Station 1+50 to 1+00	<0.5	<0.6					Work platform quality surveillance check.
WP 2+50 To 2+0-081804	"	"	Work Platform	Station 2+50 to 2+00	<0.5	<0.6					" " " " "
WP 3+50 To 3+0-081804	"	"	Work Platform	Station 3+50 to 3+00	<0.5	<0.6					" " " " "
2004 Field Batch #25											
NB-B1-082004	08/20/04	Confirmatory	N. Trench Spoil Basin	NA	<0.5	<0.6	8703	0.036 J	13%		
NB-B2-082004	"	"	"	"	<0.5	<0.6					
NB- East W1-082004	"	"	"	"	<0.5	<0.6					
NB- East W2-082004	"	"	"	"	<0.5	<0.6					
NB-West W1-082004	"	"	"	"	<0.5	<0.6					
NB-West W2-082004	"	"	"	"	<0.5	<0.6					
SB-B1-082004	"	"	S. Trench Spoil Basin	"	<0.5	<0.6	8703	0.18 J	15%		
SB-B2-082004	"	"	"	"	<0.5	<0.6					
SB- East W1-082004	"	"	"	"	<0.5	<0.6					
SB- East W2-082004	"	"	"	"	<0.5	<0.6					
SB-West W1-082004	"	"	"	"	<0.5	<0.6					
SB-West W2-082004	"	"	"	"	<0.5	<0.6					

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Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassay Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #26											
Segment 14-B1-082304	08/23/04	Confirmatory	HHC Segment 14	B1	0.66	0.78					
Segment 14-B2-082304	"	"	"	B2	2.51	2.95	8725	1.3 J	26%		See batch #27 for retest after additional excavation
Segment 14-B3-082304	"	"	"	B3	0.60	0.71					
Segment 14-B4-082304	"	"	"	B4	0.70	0.82					
Segment 14-B5-082304	"	"	"	B5	<0.5	<0.6					
Segment 14-B6-082304	"	"	"	B6	0.63	0.74					
Segment 14-W1-082304	"	"	"	W1	1.56	1.84	8725	1.7 J	23%		See batch #27 for retest after additional excavation
Segment 14-W2-082304	"	"	"	W2	<0.5	<0.6					
Segment 14-W3-082304	"	"	"	W3	<0.5	<0.6					
Segment 14-W4-082304	"	"	"	W4	<0.5	<0.6					
Segment 14-W5-082304	"	"	"	W5	<0.5	<0.6					
Segment 14-W6-082304	"	"	"	W6	0.53	0.62					
2004 Field Batch #27											
Segment 14-B2-082404	08/24/04	Confirmatory	HHC Segment 14	B2	<0.5	<0.6					Retest of batch #26 location after additional excavation
Segment 14-B7-082404	"	"	"	B7	<0.5	<0.6					
Segment 14-B8-082404	"	"	"	B8	<0.5	<0.6					
Segment 14-B9-082404	"	"	"	B9	<0.5	<0.6					
Segment 14-B10-082404	"	"	"	B10	<0.5	<0.6	8725	0.086 J	25%		
Segment 14-W1-082404	"	"	"	W1	0.59	0.69					Retest of batch #26 location after additional excavation
Segment 14-W7-082404	"	"	"	W7	<0.5	<0.6					
Segment 14-W8-082404	"	"	"	W8	<0.5	<0.6					
Segment 14-W9-082404	"	"	"	W9	<0.5	<0.6					
Segment 14-W10-082404	"	"	"	W10	<0.5	<0.6					
2004 Field Batch #28											
Segment 14-B11-082504	08/25/04	Confirmatory	HHC Segment 14	B11	<0.5	<0.6					
Segment 14-B12-082504	"	"	"	B12	<0.5	<0.6					
Segment 14-B13-082504	"	"	"	B13	<0.5	<0.6					
Segment 14-B14-082504	"	"	"	B14	<0.5	<0.6					
Segment 14-W11-082504	"	"	"	W11	<0.5	<0.6					
Segment 14-W12-082504	"	"	"	W12	<0.5	<0.6					
Segment 14-W13-082504	"	"	"	W13	<0.5	<0.6					
Segment 14-W14-082504	"	"	"	W14	<0.5	<0.6	8747	<0.025	33%		
2004 Field Batch #29											
Segment 14-B15-083104	08/31/04	Confirmatory	HHC Segment 14	B15	<0.5	<0.6					
Segment 14-B16-083104	"	"	"	B16	<0.5	<0.6					
Segment 14-B17-083104	"	"	"	B17	<0.5	<0.6					
Segment 14-B18-083104	"	"	"	B18	<0.5	<0.6					
Segment 14-B19-083104	"	"	"	B19	<0.5	<0.6	8816	0.013 J	31%		
Segment 14-W15-083104	"	"	"	W15	<0.5	<0.6					
Segment 14-W16-083104	"	"	"	W16	<0.5	<0.6					
Segment 14-W17-083104	"	"	"	W17	<0.5	<0.6					
Segment 14-W18-083104	"	"	"	W18	<0.5	<0.6					
2004 Field Batch #30											
Segment 14-B20-090104	09/01/04	Confirmatory	HHC Segment 14	B20	<0.5	<0.6					
Segment 14-B21-090104	"	"	"	B21	<0.5	<0.6					
Segment 14-B22-090104	"	"	"	B22	<0.5	<0.6					
Segment 14-B23-090104	"	"	"	B23	<0.5	<0.6					
Segment 14-W19-090104	"	"	"	W19	<0.5	<0.6					
Segment 14-W20-090104	"	"	"	W20	<0.5	<0.6					
Segment 14-W22-090104	"	"	"	W22	<0.5	<0.6					
Segment 14-W23-090104	"	"	"	W23	<0.5	<0.6					
Segment 14-W24-090104	"	"	"	W24	<0.5	<0.6					
Segment 14-W25-090104	"	"	"	W25	1.55	1.82	8816	0.41 J	32%		See batch #31 for retest after additional excavation

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Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #31											
Segment 14-B24-090204	09/02/04	Confirmatory	HHC Segment 14	B24	<0.5	<0.6					
Segment 14-B25-090204	"	"	"	B25	<0.5	<0.6					
Segment 14-B26-090204	"	"	"	B26	<0.5	<0.6					
Segment 14-B27-090204	"	"	"	B27	<0.5	<0.6					
Segment 14-W25-090204	"	"	"	W25	<0.5	<0.6					Retest of batch #30 location after additional excavation
Segment 14-W26-090204	"	"	"	W26	<0.5	<0.6					
Segment 14-W27-090204	"	"	"	W27	<0.5	<0.6					
Segment 14-W28-090204	"	"	"	W28	<0.5	<0.6	8816	0.0042 J	28%		
Segment 14-W29-090204	"	"	"	W29	0.71	0.84					
2004 Field Batch #32											
Segment 13-B1-091304	09/11/04	Confirmatory	HHC Segment 13	B1	<0.5	<0.6					
Segment 13-B2-091304	"	"	"	B2	<0.5	<0.6					
Segment 13-B3-091304	"	"	"	B3	<0.5	<0.6					
Segment 13-B4-091304	"	"	"	B4	<0.5	<0.6					
Segment 13-W1-091304	"	"	"	W1	<0.5	<0.6					
Segment 13-W2-091304	"	"	"	W2	<0.5	<0.6					
Segment 13-W3-091304	"	"	"	W3	<0.5	<0.6	8927	0.015 J	31%		
Segment 13-W4-091304	"	"	"	W4	<0.5	<0.6					
2004 Field Batch #33											
Segment 13-B5-091404	09/14/04	Confirmatory	HHC Segment 13	B5	<0.5	<0.6					
Segment 13-B6-091404	"	"	"	B6	<0.5	<0.6					
Segment 13-B7-091404	"	"	"	B7	<0.5	<0.6					
Segment 13-B8-091404	"	"	"	B8	<0.5	<0.6					
Segment 13-B9-091404	"	"	"	B9	<0.5	<0.6					
Segment 13-B10-091404	"	"	"	B10	<0.5	<0.6					
Segment 13-B15-091404	"	"	"	B15	<0.5	<0.6					
Segment 13-W5-091404	"	"	"	W5	<0.5	<0.6					
Segment 13-W6-091404	"	"	"	W6	<0.5	<0.6					
Segment 13-W7-091404	"	"	"	W7	<0.5	<0.6					
Segment 13-W8-091404	"	"	"	W8	<0.5	<0.6					
Segment 13-W10-091404	"	"	"	W10	<0.5	<0.6	8927	<0.020 J	15%		
2004 Field Batch #34											
Segment 13-B11-091404	09/14/04	Confirmatory	HHC Segment 13	B11	<0.5	<0.6					
Segment 13-B12-091404	"	"	"	B12	<0.5	<0.6	8927	0.022 J	22%		
Segment 13-B18-091404	"	"	"	B18	<0.5	<0.6					
Segment 13-W9-091404	"	"	"	W9	<0.5	<0.6					
Segment 13-W12-091404	"	"	"	W12	<0.5	<0.6					
Segment 13-W14-091404	"	"	"	W14	<0.5	<0.6					
Segment 13-W16-091404	"	"	"	W16	<0.5	<0.6					

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Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassay Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #35											
N2-B1-091504	09/15/04	Confirmatory	Area N2	B1	<0.5	<0.6				VOCs Only	VOC samples collected 9/20/04 by EarthTech.
N2-B2-091504	"	"	"	B2	<0.5	<0.6				"	
N2-B3-091504	"	"	"	B3	<0.5	<0.6				"	
N2-B4-091504	"	"	"	B4	<0.5	<0.6				"	
N2-B5-091504	"	"	"	B5	<0.5	<0.6				"	
N2-B6-091504	"	"	"	B6	21.51	25.31	8927	92 J	8%	"	See batch #36 for retest after additional excavation
N2-B7-091504	"	"	"	B7	<0.5	<0.6				"	
N2-B8-091504	"	"	"	B8	8.58	10.09				"	See batches #36 & 38 for retests after additional excavation
N2-W1-091504	"	"	"	W1	<0.5	<0.6				"	
N2-W2-091504	"	"	"	W2	<0.5	<0.6				"	
N2-W3-091504	"	"	"	W3	<0.5	<0.6				"	
2004 Field Batch #36											
Segment 13-B13-091604	09/16/04	Confirmatory	HHC Segment 13	B13	<0.5	<0.6					
Segment 13-B14-091604	"	"	"	B14	<0.5	<0.6					
Segment 13-B16-091604	"	"	"	B16	<0.5	<0.6					
Segment 13-B17-091604	"	"	"	B17	<0.5	<0.6					
Segment 13-B19-091604	"	"	"	B19	<0.5	<0.6					
Segment 13-B20-091604	"	"	"	B20	<0.5	<0.6					
Segment 13-B21-091604	"	"	"	B21	<0.5	<0.6					
Segment 13-B22-091604	"	"	"	B22	<0.5	<0.6					
Segment 13-W11-091604	"	"	"	W11	<0.5	<0.6					
Segment 13-W13-091604	"	"	"	W13	<0.5	<0.6					See batch #37 for retest after additional excavation
Segment 13-W15-091604	"	"	"	W15	4.36	5.13	8927	5.92 J	45%		See batch #37 for retest after additional excavation
N2-B6-091604	"	"	Area N2	B6	<0.5	<0.6					Retest of batch #35 location after additional excavation
N2-B8-091604	"	"	"	B8	20.30	23.88	8927	87 J	7%		Retest of batch #35 location. See batch # 38 for retest after additional ex.
2004 Field Batch #37											
N2-B9-091604	09/16/04	Confirmatory	Area N2	B9	<0.5	<0.6				VOCs Only	VOC samples collected 9/20/04 by EarthTech.
N2-B10-091604	"	"	"	B10	<0.5	<0.6				"	
N2-B11-091604	"	"	"	B11	<0.5	<0.6				"	
N2-B12-091604	"	"	"	B12	<0.5	<0.6				"	
N2-W4-091604	"	"	"	W4	<0.5	<0.6					
N2-W5-091604	"	"	"	W5	<0.5	<0.6					
N2-W6-091604	"	"	"	W6	<0.5	<0.6					
Segment 13-W13-091704	09/17/04	"	HHC Segment 13	W13	<0.5	<0.6					Retest of batch #36 location after additional excavation.
Segment 13-W15-091704	"	"	HHC Segment 13	W15	<0.5	<0.6					Retest of batch #36 location after additional excavation.
Segment 13-B23-091704	"	"	"	B23	<0.5	<0.6					
2004 Field Batch #38											
N1-B1-092104	09/21/04	Confirmatory	Area N1	B1	<0.5	<0.6	8976	0.066	20%	VOCs Only	VOC samples collected 9/20/04 by EarthTech.
N1-B2-092104	"	"	"	B2	<0.5	<0.6				"	
N1-B3-092104	"	"	"	B3	<0.5	<0.6				"	
N1-B4-092104	"	"	"	B4	<0.5	<0.6				"	
N1-B5-092104	"	"	"	B5	<0.5	<0.6				"	
N1-B6-092104	"	"	"	B6	<0.5	<0.6				"	
N1-B7-092104	"	"	"	B7	<0.5	<0.6				"	
N1-B8-092104	"	"	"	B8	<0.5	<0.6				"	
N1-W1-092104	"	"	"	W1	<0.5	<0.6				"	
N1-W2-092104	"	"	"	W2	<0.5	<0.6				"	
N1-W3-092104	"	"	"	W3	<0.5	<0.6				"	
N1-W4-092104	"	"	"	W4	1.35	1.59	8976	18	14%		See batch # 39 for retest after additional excavation
N2-B8-092104	"	"	Area N2	B8	<0.5	<0.6					Retest of batch #35 & 36 locations after additional excavation
N2-B8-092104 (Dup)	"	"	"	B8	<0.5	<0.6					Retest of batch #35 & 36 locations after additional excavation

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Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #39											
N3-B1-092204	09/22/04	Confirmatory	Area N3	B1	<0.5	<0.6				VOCs Only	VOC samples collected 9/27/04 by EarthTech.
N3-B2-092204	"	"	"	B2	<0.5	<0.6				"	
N3-B3-092204	"	"	"	B3	<0.5	<0.6				"	
N3-B4-092204	"	"	"	B4	<0.5	<0.6	8976	0.27	10%	"	
N3-W1-092204	"	"	"	W1	<0.5	<0.6				"	
N3-W2-092204	"	"	"	W2	<0.5	<0.6				"	
N3-W3-092204	"	"	"	W3	<0.5	<0.6				"	
N1-W4-092204	"	"	Area N1	W4	0.71	0.84					Retest of batch #38 location after additional excavation
2004 Field Batch #40											
Segment 12-B1-092204	09/22/04	Confirmatory	HHC Segment 12	B1	<0.5	<0.6					
Segment 12-B2-092204	"	"	"	B2	<0.5	<0.6					
Segment 12-B3-092204	"	"	"	B3	<0.5	<0.6					
Segment 12-B4-092204	"	"	"	B4	<0.5	<0.6					
Segment 12-W1-092204	"	"	"	W1	2.22	2.61	8976	5.6 J	46%		See batch #41 for retest after additional excavation
Segment 12-W2-092204	"	"	"	W2	<0.5	<0.6					
Segment 12-W3-092204	"	"	"	W3	<0.5	<0.6					
Segment 12-W4-092204	"	"	"	W4	<0.5	<0.6					
2004 Field Batch #41											
Segment 12-B5-092304	09/23/04	Confirmatory	HHC Segment 12	B5	1.24	1.46	9011	0.8 JN	25%		See batch #42 for retest after additional excavation
Segment 12-B6-092304	"	"	"	B6	<0.5	<0.6					
Segment 12-W1-092304	"	"	"	W1	<0.5	<0.6					Retest of batch #40 location after additional excavation
Segment 12-W5-092304	"	"	"	W5	<0.5	<0.6					
Segment 12-W6-092304	"	"	"	W6	<0.5	<0.6					
N3-B5-092304	"	"	Area N3	B5	<0.5	<0.6				VOCs Only	VOC samples collected 9/27/04 by EarthTech.
N3-B6-092304	"	"	"	B6	<0.5	<0.6				"	
N3-B7-092304	"	"	"	B7	<0.5	<0.6				"	
N3-B8-092304	"	"	"	B8	<0.5	<0.6				"	
N3-W4-092304	"	"	"	W4	<0.5	<0.6				"	
N3-W5-092304	"	"	"	W5	<0.5	<0.6	9011	0.047	22%	"	
N3-W6-092304	"	"	"	W6	<0.5	<0.6				"	
2004 Field Batch #42											
Segment 12-B5-092504	09/25/04	Confirmatory	HHC Segment 12	B5	<0.5	<0.6					Retest of batch #41 location after additional excavation
Segment 12-B7-092504	"	"	"	B7	<0.5	<0.6					
Segment 12-B8-092504	"	"	"	B8	<0.5	<0.6					
Segment 12-B9-092504	"	"	"	B9	<0.5	<0.6					
Segment 12-B10-092504	"	"	"	B10	<0.5	<0.6	9011	0.11 J	19%		
Segment 12-B11-092504	"	"	"	B11	<0.5	<0.6	9011	0.092 J	24%		
Segment 12-B12-092504	"	"	"	B12	<0.5	<0.6					Retest of FIA#01 after excavation.
Segment 12-W7-092504	"	"	"	W7	<0.5	<0.6					
Segment 12-W8-092504	"	"	"	W8	<0.5	<0.6					
Segment 12-W9-092504	"	"	"	W9	<0.5	<0.6					
Segment 12-W10-092504	"	"	"	W10	<0.5	<0.6					Retest of FIA#01 after excavation.

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Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #43											
Segment 11- B1-092704	09/27/04	Confirmatory	HHC Segment 11	B1	<0.5	<0.6					
Segment 11- B2-092704	"	"	"	B2	<0.5	<0.6					
Segment 11- B3-092704	"	"	"	B3	<0.5	<0.6					
Segment 11- B4-092704	"	"	"	B4	<0.5	<0.6	9022	0.043 J	26%		
Segment 11- B5-092704	"	"	"	B5	<0.5	<0.6					Retest of FIA#04 after excavation.
Segment 11- B6-092704	"	"	"	B6	<0.5	<0.6					Retest of FIA#04 after excavation.
Segment 11- W1-092704	"	"	"	W1	<0.5	<0.6					
Segment 11- W2-092704	"	"	"	W2	<0.5	<0.6					Retest of FIA#04 after excavation.
2004 Field Batch #44											
Segment 10-B10-093004	09/30/04	Confirmatory	HHC Segment 10	B10	<0.5	<0.6	9052	< 0.021	20%		
Segment 10-B11-093004	"	"	"	B11	<0.5	<0.6					
Segment 10-B12-093004	"	"	"	B12	<0.5	<0.6					
Segment 10-B13-093004	"	"	"	B13	<0.5	<0.6					
Segment 10-B14-093004	"	"	"	B14	<0.5	<0.6					
Segment 10-W1-093004	"	"	"	W1	<0.5	<0.6					
Segment 10-W2-093004	"	"	"	W2	<0.5	<0.6					
Segment 10-W3-093004	"	"	"	W3	<0.5	<0.6					
Segment 10-W4-093004	"	"	"	W4	<0.5	<0.6					
2004 Field Batch #45											
Segment 10-B7-100104	10/01/04	Confirmatory	HHC Segment 10	B7	<0.5	<0.6	9052	0.029	25%		
Segment 10-B8-100104	"	"	"	B8	<0.5	<0.6					
Segment 10-B9-100104	"	"	"	B9	<0.5	<0.6					
Segment 10-W5-100104	"	"	"	W5	<0.5	<0.6					
Segment 10-W6-100104	"	"	"	W6	<0.5	<0.6					
Segment 10-W7-100104	"	"	"	W7	<0.5	<0.6					
Segment 10-W8-100104	"	"	"	W8	<0.5	<0.6					
SVE-B1-100404	10/04/04	Confirmatory	Area L-5	B1			9052	VOCs Only			VOC samples collected by Parsons
SVE-B2-100404	"	"	"	B2				"			
2004 Field Batch #46											
Segment 10-A5-100404	10/04/04	Confirmatory	HHC Segment 10	A5	<0.5	<0.6					
Segment 10-B4-100404				B4	<0.5	<0.6					
Segment 10-B5-100404	"	"	"	B5	<0.5	<0.6					
Segment 10-B6-100404	"	"	"	B6	<0.5	<0.6					
Segment 10-C4-100404	"	"	"	C4	<0.5	<0.6	9090	< 0.021	19%		
Segment 10-C5-100404	"	"	"	C5	<0.5	<0.6					
Segment 10-C6-100404	"	"	"	C6	<0.5	<0.6					
Segment 10-D6-100404	"	"	"	D6	<0.5	<0.6					
Segment 10-W10-100404	"	"	"	W10	<0.5	<0.6					
Segment 10-W12-100404	"	"	"	W12	<0.5	<0.6					
Segment 10-W14A-100404	"	"	"	W14A	<0.5	<0.6					
Segment 10-W14B-100404	"	"	"	W14B	<0.5	<0.6					

CONFIRMATORY SAMPLING RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #47											
Segment 10-C3-100504	10/05/04	Confirmatory	HHC Segment 10	C3	<0.5	<0.6					
Segment 10-D3-100504	"	"	"	D3	<0.5	<0.6					
Segment 10-D4-100504	"	"	"	D4	<0.5	<0.6					
Segment 10-D5-100504	"	"	"	D5	<0.5	<0.6					
Segment 10-E2-100504	"	"	"	E3	<0.5	<0.6	9090	< 0.021	19%		
Segment 10-E3-100504	"	"	"	E2	<0.5	<0.6					
Segment 10-F1-100504	"	"	"	F1	<0.5	<0.6					
Segment 10-W16-100504	"	"	"	W16	<0.5	<0.6					
Segment 10-W18-100504	"	"	"	W18	<0.5	<0.6					
Segment 10-W20-100504	"	"	"	W20	<0.5	<0.6					
2004 Field Batch #48											
Segment 10-E4-100704	10/07/04	Confirmatory	HHC Segment 10	E4	<0.5	<0.6					
Segment 10-E5-100704	"	"	"	E5	<0.5	<0.6					
Segment 10-E6-100704	"	"	"	E6	<0.5	<0.6					
Segment 10-F2-100704	"	"	"	F2	<0.5	<0.6					
Segment 10-F4-100804	10/08/04	"	"	F4	<0.5	<0.6					
Segment 10-F5-100804	"	"	"	F5	<0.5	<0.6					
Segment 10-F6-100704	10/07/04	"	"	F6	<0.5	<0.6					
Segment 10-G1-100704	"	"	"	G1	<0.5	<0.6	9090	< 0.022	24%		
Segment 10-G5-100804	10/08/04	"	"	G5	<0.5	<0.6					
Segment 10-G6-100804	"	"	"	G6	<0.5	<0.6					
SVE-B3-100804	10/08/04	"	Area L-5	B3	1.78	2.09	9090	8.1	9%		See batches # 49 & 51 for retests after additional excavation
SVE-B4-100804	"	"	"	B4	7.95	9.35					See batches # 49 & 51 for retests after additional excavation
SVE-B5-100804	"	"	"	B5	31.15	36.65					See batches # 49 & 51 for retests after additional excavation
2004 Field Batch #49											
Segment 10-J1-101104	10/11/04	Confirmatory	HHC Segment 10	J1	<0.5	<0.6					
Segment 10-K1-101104	"	"	"	K1	<0.5	<0.6					
Segment 10-L1-101104	"	"	"	L1	<0.5	<0.6					
Segment 10-L2-101104	"	"	"	L2	<0.5	<0.6					
Segment 10-L3-101104	"	"	"	L3	<0.5	<0.6	9121	< 0.022	23%		
Segment 10-W13-101104	"	"	"	W13	<0.5	<0.6					
Segment 10-W15-101104	"	"	"	W15	<0.5	<0.6					
Segment 10-W17-101104	"	"	"	W17	<0.5	<0.6					
Segment 10-W19-101104	"	"	"	W19	<0.5	<0.6					
SVE-B3-100904	10/09/04	"	Area L-5	B3	1.82	2.14	9121	3.9	6%		Retest of batch #48 location. See batch # 51 for retest after additional ex.
SVE-B4-100904	"	"	"	B4	1.75	2.06					Retest of batch #48 location. See batch # 51 for retest after additional ex.
SVE-B5-100904	"	"	"	B5	1.23	1.45					Retest of batch #48 location. See batch # 51 for retest after additional ex.

CONFIRMATORY SAMPLING RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassy Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #50											
Segment 10-F3-101104	10/12/04	Confirmatory	HHC Segment 10	F3	<0.5	<0.6					
Segment 10-G2-101104	10/11/04	"	"	G2	<0.5	<0.6					
Segment 10-G3-101204	10/12/04	"	"	G3	<0.5	<0.6					
Segment 10-H1-101104	10/11/04	"	"	H1	<0.5	<0.6					
Segment 10-H2-101104	"	"	"	H2	<0.5	<0.6					
Segment 10-H3-101204	10/12/04	"	"	H3	<0.5	<0.6					
Segment 10-I1-101104	10/11/04	"	"	I1	<0.5	<0.6					
Segment 10-I2-101104	"	"	"	I2	<0.5	<0.6					
Segment 10-I3-101204	10/12/04	"	"	I3	<0.5	<0.6					
Segment 10-J2-101104	10/11/04	"	"	J2	<0.5	<0.6					
Segment 10-J3-101204	10/12/04	"	"	J3	<0.5	<0.6					
Segment 10-K2-101104	10/11/04	"	"	K2	<0.5	<0.6					
Segment 10-K3-101204	10/12/04	"	"	K3	<0.5	<0.6	9121	0.035	27%		
Segment 10-K4-101204	"	"	"	K4	<0.5	<0.6	9121	0.31	36%		
2004 Field Batch #51											
Segment 10-H4-101204	10/12/04	Confirmatory	HHC Segment 10	H4	<0.5	<0.6					
Segment 10-H5-101204	"	"	"	H5	<0.5	<0.6					
Segment 10-I4-101204	"	"	"	I4	<0.5	<0.6					
Segment 10-I5-101204	"	"	"	I5	<0.5	<0.6					
Segment 10-J4-101204	"	"	"	J4	<0.5	<0.6	9121	< 0.021	20%		
Segment 10-W9-101204	"	"	"	W9	<0.5	<0.6					
Segment 10-W11-101204	"	"	"	W11	<0.5	<0.6					
SVE-B2-101304	"	"	Area L-5	B2			9121	VOCs Only			VOC sample collected by Parsons.
SVE-B3-101204	"	"	"	B3	<0.5	<0.6					Retest of batch #48 & 49 locations after additional excavation
SVE-B4-101204	"	"	"	B4	<0.5	<0.6					Retest of batch #48 & 49 locations after additional excavation
SVE-B5-101204	"	"	"	B5	<0.5	<0.6					Retest of batch #48 & 49 locations after additional excavation
2004 Field Batch #52											
Segment 9-B1-101304	10/13/04	Confirmatory	HHC Segment 9	B1	<0.5	<0.6					
Segment 9-B2-101304	"	"	"	B2	<0.5	<0.6					
Segment 9-B3-101304	"	"	"	B3	<0.5	<0.6					
Segment 9-B4-101304	"	"	"	B4	<0.5	<0.6					
Segment 9-B5-101304	"	"	"	B5	<0.5	<0.6					
Segment 9-B6-101304	"	"	"	B6	<0.5	<0.6					
Segment 9-B7-101304	"	"	"	B7	<0.5	<0.6					
Segment 9-W1-101304	"	"	"	W1	<0.5	<0.6	9127	0.022 J	41%		
Segment 9-W2-101304	"	"	"	W2	<0.5	<0.6					
AR-1-101304	"	"	HHC Const. Access Road	A1	<0.5	<0.6					
AR-2-101304	"	"	"	A2	<0.5	<0.6	9127	0.19 J	2%		
AR-3-101304	"	"	"	A3	<0.5	<0.6					
AR-4-101304	"	"	"	A4	<0.5	<0.6					
AR-5-101304	"	"	"	A5	0.64	0.75					
HHC-1-101304	"	"	Herrick Hollow Creek	HHC1	<0.5	<0.6					
HHC-2-101304	"	"	"	HHC2	<0.5	<0.6					
HHC-3-101304	"	"	"	HHC3	<0.5	<0.6					
HHC-4-101304	"	"	"	HHC4	<0.5	<0.6					
HHC-5-101304	"	"	"	HHC5	<0.5	<0.6					
HHC-6-101304	"	"	"	HHC6	<0.5	<0.6	9127	0.0085 J	6%		
HHC-7-101304	"	"	"	HHC7	<0.5	<0.6					

CONFIRMATORY SAMPLING RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample Identification	Date Collected	Purpose	Location	Grid	Samples Collected by Parsons					Samples Collected by Others (Total PCBs in mg/kg)	Remarks
					Immunoassay Field Test Kit Results[1]		Validated Laboratory Results[2] (Method 8082)				
					Total PCBs (Reported as Aroclor 1254)	Total PCBs (Reported as Aroclor 1248)	SDG #	Total PCBs	Moisture Content		
2004 Field Batch #53											
SP-B1-110604	11/06/04	Confirmatory	South Pond Weir	B1	<0.5	<0.6	9305	0.23	26%		
2005 SAMPLING											
AR-1	4/28/2005	Confirmatory	HHC Const Access Road	-	-	-		0.42	16.2%		
AR-2	"	"	"	-	-	-		0.093	15.1%		
AR-3	"	"	"	-	-	-		0.19	13.7%		
AR-4	"	"	"	-	-	-		0.29	12.5%		
AR-5	"	"	"	-	-	-		0.10	15.0%		
AR-6	"	"	"	-	-	-		0.099	15.5%		
AR-7	"	"	"	-	-	-		0.10	11.5%		
AR-8	"	"	"	-	-	-		0.083	13.4%		
AR-9	"	"	"	-	-	-		0.18	13.3%		
AR-10	"	"	"	-	-	-		0.10	13.2%		
AR-11	"	"	"	-	-	-		0.11	14.3%		
AR-12	"	"	"	-	-	-		0.065	15.2%		
AR-13	"	"	"	-	-	-		0.081 J	16.8%		
AR-14	"	"	"	-	-	-		0.053	16.7%		
AR-15	"	"	"	-	-	-		0.10	13.2%		
AR-16	"	"	"	-	-	-		0.20	12.1%		
AR-17	"	"	"	-	-	-		0.060	19.6%		
AR-18	"	"	"	-	-	-		0.10	19.7%		
AR-19	"	"	"	-	-	-		0.19 J	11.3%		
AR-20	"	"	"	-	-	-		0.62 J	10.3%		
AR-21	"	"	"	-	-	-		0.19	11.7%		
AR-22	"	"	"	-	-	-		0.20	8.8%		
AR-23	"	"	"	-	-	-		0.17	13.3%		
AR-24	"	"	"	-	-	-		0.11 J	22.5%		
AR-25	"	"	"	-	-	-		0.36	11.2%		
AR-26	"	"	"	-	-	-		0.38	13.0%		
AR-27	"	"	"	-	-	-		0.53 J	9.5%		
L5-001 (North Composite)	05/12/05	Confirmatory	Area L-5	North			0505073	5.23 J	19%		See 9/7/05 samples for retests after excavation
L5-002 (Center Composite)	"	"	"	Center			"	4.69 J	13%		" " " " " " " "
L5-003 (South Composite)	"	"	"	South			"	3.71 J	16%		" " " " " " " "
L5-01	09/07/05	Confirmatory	Area L-5	North			050908018	1.8			Retest of 5/12/05 locations after excavation / See 6/20/06 retest. Adirondack Labs.
L5-02	"	"	"	Center			"	0.42			" " " " " " " " " "
L5-03	"	"	"	South			"	0.59			" " " " " " " " " "
2006 SAMPLING											
L5-01	6/20/2006	Confirmatory	Area L-5	North			60621007	0.34			Retest of 9/72/05 locations after additional excavation. Adirondack Labs.
L5-01-1	"	"	"	North (Duplicate)			"	0.363			" " " " " " "
L5-02	"	"	"	Center			"	0.59			" " " " " " "
L5-03	"	"	"	South			"	0.29			" " " " " " "

Notes:
1. RaPID Assay immunoassay test kit. The RaPid Assay is calibrated to Aroclor 1254, and exhibits 15% less sensitivity to Aroclor 1248. The RaPID assay does not distinguish between Aroclors (i.e., results reported as total PCBs). Since both Aroclors 1254 and 1248 were known to be present at the site, results were compared to clean-up criteria conservatively using two worst case scenarios as follows: in one it was assumed that all of the PCB detected by the RaPID Assay was Aroclor 1254, and for the other it was assumed that all of the PCB detected was Aroclor 1248. Because the RaPID assay is 15% less sensitive to Aroclor 1248 than for Aroclor 1254, in the second scenario, for Aroclor 1248, results were divided by 0.85 to account for the difference in sensitivity. The results for Aroclor 1254 and Aroclor 1248 were then compared to the clean-up goal of 1 mg/kg.
2. Samples analyzed by OBG Laboratories unless otherwise indicated. Higher of two GC column results shown.
3. Shaded results exceed 1 mg/kg.

TABLE 3.4
SVE SYSTEM OPERATION LOG
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Date	PID System (ppm = mg/kg)	PID 1st Carbon (ppm)	PID 2nd Carbon (ppm)	System Pressure (inches water)	System Temp. (F)	Flow (scfm)	Laterals Open	Water Collected (gal)
03/15/04	344	0.70	0.40	50	150	100	1, 2, 3	
"	319	2.8*	1.6*	54	152	95	1, 2, 3	
"	160	7.3*	1.7*	54	150	90	All	210
03/16/04	12.8	0.70	0.70	47	158	95	All	180
03/17/04	6.5	0.40	0.30	48	160	95	1, 2, 3, 4, 5	110
03/18/04	3.7	0.20	0.03	50	154	100	1, 3, 4, 5	
03/22/04	** No Sample Collected	** No Sample Collected	** No Sample collected	48	148	100	1, 3, 4, 5	
03/26/04	123	1.3	0.2	45	160	100	1, 2, 3, 4, 5	
"	136	0.7	0	30	148	110	1,2,3,4,5,6,7	65
03/31/04	191	2.7	0.7	52	150	95	1,2,3,4,5,7	110
04/06/04	68.1	2.0	0.3	49	150	100	1,2,3,4,5,6,7	40
04/14/04	172	2.3	0.3	50	120	100	1,2,3,4,5	105
04/20/04	167	2.8	0.4	40	120	105	All	90
04/22/04	49.2	8.4	1.8 ***	34	150	105	All	70
04/27/04	51.8	4.9	0.1****	36	140	105	All	65
04/29/04	37	5.8	0.1	34	150	105	All	70
05/04/04	38.6	6.8	0	30	130	105	All	85
05/06/04	52.5	8.8	0.6	34	140	105	All	30
05/10/04	284	328	79.8****	Not measured	Not measured	100	All	10
"	46.9	3.4	0.5	15	132	130	All	0
05/11/04	46	4.5	0	12	142	130	All	0
05/13/04	No PID readings due to high humidity			13	140	130	All	4
05/14/04	No PID readings due to high humidity			12	142	130	All	4
05/18/04	308	25*****	0	13	Not measured	130	All	20
System down for blower repairs (5/26 - 6/2/04)								
06/03/04	410	0	0	46	100	75	All	90
06/09/04	35.8	1.9	0	24	140	100	All	0
System down for control panel repairs (6/10 - 6/18/04)								
06/21/04	75.7	15.3	0.8	24	130	95	All	0
06/23/04	73.1	15.9	3.5****	Not measured	Not measured	Not measured	All	5
"	73.1	48	0	25	128	95	All	0
06/30/04	72.1	12	0.4	30	110	95	All	5
07/07/04	72.7	5	0.0****	30	120	95	All	0
07/13/04	**Composite sample collected for disposal characterization**							
07/21/04	119	0.1	0	50	120	80	All	0
"	**TCE treatment goal reached - system shut down**							
08/12/04	**GAC samples collected for disposal characterization**							

Notes:

1. PID System reading is prior to blower
2. PID 1st Carbon is after Carbon #1
3. PID 2nd Carbon is after Carbon #2
4. System Pressure is at knock out tank
5. System temperature is Air Stream
6. * PID readings before and after carbon influenced by temperature and humidity.
7. ** Vacuum sampling pump inoperable-being replaced.
8. *** System turned off until carbon units replaced.
9. **** Second carbon unit moved to 1st position. New carbon unit placed in 2nd position.

10***** High reading due to humidity/rain

TABLE 3.5
SVE STOCKPILE HAZARDOUS WASTE MANIFEST LOG
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Manifest No.	Date Shipped	Transporter	Truck Load Weight (Tons)	Rail Car #	Generator	Disposal Facility	Date Received/ Disposed
NYG 2918043	09/30/04	Horwith Trucking	25.60	NS193991	Amphenol	Clean Harbors Clive, Utah	11/10/04
NYG 2918052	"	"	23.38	"	"	"	"
NYG 2918214	"	"	24.82	"	"	"	"
NYG 2918223	"	"	23.60	"	"	"	"
Total Weights			**97.40**				
NYG 2918061	"	"	28.10	NS201355	"	"	11/09/04
NYG 2918259	"	"	26.60	"	"	"	"
NYG 2918268	"	"	22.26	"	"	"	"
NYG 2918304	"	"	25.05	"	"	"	"
Total Weights			**102.01**				
NYG 2918079	"	"	26.12	CRS85767	"	"	"
NYG 2918097	"	"	23.77	"	"	"	"
NYG 2918232	"	"	24.13	"	"	"	11/10/04
NYG 2918277	"	"	23.40	"	"	"	"
Total Weights			**97.42**				
NYG 2918088	"	"	24.11	NS200952	"	"	11/11/04
NYG 2918241	"	"	24.45	"	"	"	11/12/04
NYG 2918106	10/01/04	"	22.58	"	"	"	"
NYG 2918115	"	"	24.85	"	"	"	"
Total Weights			**95.99**				
NYG 2918124	"	"	22.38	NS201305	"	"	11/11/04
NYG 2918133	"	"	24.60	"	"	"	"
NYG 2918196	"	"	23.16	"	"	"	"
NYG 2918286	"	"	27.02	"	"	"	"
Total Weights			**97.16**				
NYG 2918151	"	"	23.73	NS201075	"	"	11/12/04
NYG 2918178	"	"	23.00	"	"	"	"
NYG 2918295	"	"	23.90	"	"	"	"
NYG 4421088	"	"	24.71	"	"	"	"
Total Weights			**95.34**				
NYG 2918142	"	"	25.52	NS194128	"	"	11/09/04
NYG 4421097	"	"	24.10	"	"	"	11/08/04
NYG 4421106	10/04/04	"	23.75	"	"	"	11/09/04
NYG 4421115	"	"	26.77	"	"	"	"
Total Weights			**100.14**				
NYG 2918169	10/01/04	"	23.37	NS194185	"	Clean Harbors Aragonite, Utah	10/29/04
NYG 4421124	10/04/04	"	27.69	"	"	"	"
Total Weights			**51.06**				
NYG 2918313	10/07/04	"	25.44	MHFX5672	"	"	11/08/04
NYG 2918367	"	"	25.26	"	"	"	"
NYG 4421142	"	"	22.84	"	"	"	"
NYG 2918322	10/08/04	"	25.64	"	"	"	"
Total Weights			**99.18**				
NYG 2918394	"	"	26.65	NDYX320684	"	Clean Harbors Aragonite, Utah	12/03/04
NYG 2918439	"	"	19.34	"	"	"	12/06/04
Total Weights			**45.99**				

Total: **881.69**
Total to Clean Harbors @ Clive, Utah: **784.64**
Total to Clean Harbors @ Aragonite, Utah: **97.05**

TABLE 3.6
BARRIER PROTECTION MATERIAL QA/QC TEST RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample ID	Revised Specification (FCO #009)	Barrier Material; WFBM-1 (BPM #2 (BMW-2))	Barrier Material; WFBM-2 (ROB (BPM #2-2))	Barrier Material; WFBM-3 (ROB w/Clay)	Barrier Material; WFBM-4 (Silty Sand)	Barrier Material; WFBM-5	Barrier Material; WFBM-6	Barrier Material; WFBM-7	Barrier Material: WFBM-8	Barrier Material: WFBM-9	Barrier Material; WFBM-10	Barrier Material; WFBM-11	Barrier Material; WFBM-12
Laboratory		JLT	Construction Technology	Construction Technology	JLT	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology
Report Date		8/10 - 8/16/05	8/30/05	8/1/05	8/10 - 8/16/05	9/9/05	9/9/05	9/9/05	9/9/05	9/9/05	9/9/05	9/9/05	9/9/05
Laboratory Sample Number			TXP-7529	7366		7573	7574	7575	7576	7577	7578	7579	7580
Filter Criteria (Revised 2/28/06 by FCO #009)													
Permittivity of geotextile (minimum)(based on % passing #200)	**ASTM D4491**												
<15%	0.5 sec (-1)	0.5	0.5	0.5	-	-		0.5	0.5	-		0.5	0.5
15 to 50%	0.2 sec (-1)	-	-	-	0.2	0.2	-	-		0.2	0.2	-	
>50%	0.1 sec (-1)	-	-	-	-		0.1	-		-	-	-	-
Actual permittivity of geotextile (7-oz fabric against soil)	**1.41 sec (-1)**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
AOS of geotextile (maximum)(based on % passing #200)	**ASTM D4751**												
<15%	0.43 mm	0.43	0.43	0.43	-	-		0.43	0.43	-		0.43	0.43
15 to 50%	0.25 mm	-	-	-	0.25	0.25	-	-		0.25	0.25	-	
>50%	0.22 mm	-	-	-	-		0.22	-	-	-	-	-	-
Actual AOS of geotextile (7-oz fabric against soil)	**#70 = 0.21 mm**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
Hydraulic Conductivity Testing (Revised 2/28/06 by FCO #009)	**maximum**												
Avg. Permeability (cm/sec)	**1x10(-4)**	1.97x10(-5)	1.73x10(-5)	3.88x10(-5)	2.26x10(-5)	9.58E-05	1.46E-04	2.08E-05	1.56E-05	8.27E-06	1.36E-05	2.31E-05	1.50E-04
Compaction	**95%**	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
ASTM methods	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084
Pass/Fail?		**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Fail**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Fail**
Max Dry Density (pcf)	ASTM D1557	136.0	138.1	138.3	129.3	120.5	105	139.6	139.2	135.2	132.6	133.7	134.2
Optimum Moisture (%)	ASTM D1557	7.5	6.3	7.7	8.5	11.1	13.4	6.5	6.8	7.3	8.5	8.2	6.1
Particle Size Analysis (See Note 1)	ASTM D422												
Sieve (No.)	**% Passing**												
2" **(Clarified by 7/5/06 Parsons email)**	100			100						-	-		100.0
1-1/2"	-			94.3		100.0				100.0	100.0	100.0	96.4
1"	-			94.3		93.8			100.0	94.9	97.1	84.5	87.0
3/4"	-		100.0	90.4	100	91.7		100.0	98.6	92.9	91.3	77.4	74.0
1/2"	-	100	98.6	79.7	92.6	91.1		99.0	97.3	90.6	85.7	70.9	65.5
3/8"	-	95.7	95.5	75	89.8	90.3		96.6	94.6	86.2	82.5	67.2	59.7
1/4"	-		86.1	68.1		88.1		88.4	85.6	80.3	75.9	60.0	52.0
#4	-	83.9	79.7	63.3	82.8	86.9	100.0	83.3	80.1	76.5	72.5	56.3	47.4
#8	-		63.0	51.1		83.4	99.8	67.8	66.7	67.1	63.6	47.5	35.5
#10	-	66.4			74.1								
#16	-		44.7	40		79.7	99.6	53.2	52.2	55.6	54.6	38.5	25.2
#20	-	44			62								
#30	-		26.2	29		74.3	99.5	36.5	35.7	45.5	44.2	28.3	13.5
#40	-	26.2	21.0	25.4	48.5	69.5	99.3	29.5	29.7	40.1	39.2	24.3	9.7
#50	-	19.1	16.9	23.3	40.7	62.6	98.9	23.6	24.4	35.5	34.0	21.2	7.7
#100	-	15.9	13.4	17	33.1	48.8	95.0	16.7	14.7	26.9	24.6	15.8	6.3
#200	-	13.4	11.2	11.9	23.7	33.4	68.6	12.5	13.1	20.0	19.0	12.1	4.3
PCBs (EPA Method 8082)	**Non-Detect**							Non-Detect					Non-Detect
Comments						**Stockpile BMP-3 not used**		**Stockpile BMP-3 not used**	**Stockpile BMP-3 not used**				**Resampled. See WFBM-26 & WFBM-27**

Note 1: Particle size requirements deleted as per FCO #009. Cobbles exceeding 2 inches in diameter were removed by hand-picking during BPM placement.

TABLE 3.6
BARRIER PROTECTION MATERIAL QA/QC TEST RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample ID	Revised Specification (FCO #009)	Barrier Material: WFBM-13	Barrier Material: WFBM-14	Barrier Material: WFBM-15	Barrier Material: WFBM-16	Barrier Material: WFBM-17	Barrier Material: WFBM-18	Barrier Material: WFBM-19	Barrier Material: WFBM-20	Barrier Material: WFBM-21	Barrier Material: WFBM-22	Barrier Material: WFBM-23	Barrier Material: WFBM-24
Laboratory		Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology
Report Date		9/9/05	9/9/05	9/9/05	9/9/05	9/9/05	9/9/05	9/9/05	4/13/06	4/13/06	4/13/06	4/13/06	4/13/06
Laboratory Sample Number		7581	7582	7583	7584	7585	7586	7587	8058	8059	8060	8061	8062
Filter Criteria (Revised 2/28/06 by FCO #009)													
Permittivity of geotextile (minimum)(based on % passing #200)	**ASTM D4491**												
<15%	0.5 sec (-1)	-	-	-	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
15 to 50%	0.2 sec (-1)	0.2	0.2	0.2	-	-	-	-	-	-	-	-	-
>50%	0.1 sec (-1)	-	-	-	-	-	-	-	-	-	-	-	-
Actual permittivity of geotextile (7-oz fabric against soil)	**1.41 sec (-1)**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
AOS of geotextile (maximum)(based on % passing #200)	**ASTM D4751**												
<15%	0.43 mm	-	-	-	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
15 to 50%	0.25 mm	0.25	0.25	0.25	-	-	-	-	-	-	-	-	-
>50%	0.22 mm	-	-	-	-	-	-	-	-	-	-	-	-
Actual AOS of geotextile (7-oz fabric against soil)	**#70 = 0.21 mm**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
Hydraulic Conductivity Testing (Revised 2/28/06 by FCO #009)	**maximum**												
Avg. Permeability (cm/sec)	**1x10(-4)**	8.22E-05	1.09E-05	3.67E-05	1.33E-05	7.74E-05	4.84-05	2.69E-05	2.28E-05	1.14E-05	1.61E-05	1.29E-05	2.90E-05
Compaction	**95%**	95%	95%	95%	95%	96%	95%	95%	95%	95%	95%	95%	95%
ASTM methods	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084
Pass/Fail?		**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
Max Dry Density (pcf)	ASTM D1557	134.6	135.5	135.7	140.2	138.8	138.4	138.7	139.3	139.7	140.1	140.7	138.5
Optimum Moisture (%)	ASTM D1557	7.1	7.7	6.6	6.0	6.3	6.1	6.2	6.7	6.4	6.1	6.6	7.6
Particle Size Analysis (See Note 1)	ASTM D422												
Sieve (No.)	**% Passing**												
2" **(Clarified by 7/5/06 Parsons email)**	100	-	-										
1-1/2"	-	100.0		100.0	100.0	100.0					100	100	
1"	-	92.0		90.1	96.9	96.9				100	97.2	96.1	
3/4"	-	88.8	100.0	90.1	94.1	86.4	100.0	100.0	100.0	99.6	97.2	96.1	100
1/2"	-	86.7	96.1	84.7	84.7	75.2	99.4	99.1	98.7	97.9	95.3	92.8	98.2
3/8"	-	83.1	91.2	82.0	77.4	70.5	96.8	95.2	94.2	93.5	89.6	89.4	95.2
1/4"	-	78.3	83.3	77.3	67.7	61.8	88.1	87.4	87.1	82	79.7	80.3	86.6
#4	-	75.4	79.0	74.3	62.1	56.8	81.4	81.2	82.0	75.8	73.8	74.9	80.9
#8	-	69.1	67.4	65.7	49.3	44.5	65.5	66.2	65.6	60.3	58.6	60.3	66.7
#10	-												
#16	-	60.3	55.0	55.2	37.9	31.4	49.8	50.2	50.1	45.8	42.1	44.2	50.7
#20	-												
#30	-	52.1	42.9	45.6	26.3	20.4	33.2	33.1	33.8	31.4	28.3	30.8	34.8
#40	-	47.5	35.9	40.2	21.8	15.3	26.9	26.8	26.7	25.2	22.4	24.4	26.6
#50	-	43.8	29.8	36.6	17.9	13.0	21.9	21.6	21.7	20.6	18.5	19.9	20.9
#100	-	30.2	21.3	30.2	12.6	9.0	16.6	16.3	15.9	15.2	13.8	14.8	14.1
#200	-	19.8	15.8	22.6	9.9	6.6	13.3	13.0	12.6	12	11	11.9	10.7
PCBs (EPA Method 8082)	**Non-Detect**					Non-Detect							
Comments													

Note 1: Particle size requirements deleted as per FCO #009. Cobbles exceeding 2 inche

TABLE 3.6
BARRIER PROTECTION MATERIAL QA/QC TEST RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample ID	**Revised Specification (FCO #009)**	Barrier Material: WFBM-25	Barrier Material: WFBM-26	Barrier Material: WFBM-27	Barrier Material: WFBM-27 QA Sample	Barrier Material: WFBM-28	Barrier Material: WFBM-29	Barrier Material: WFBM-30	Barrier Material: WFBM-31	Barrier Material: WFBM-32	Barrier Material: WFBM-32
Laboratory		Construction Technology	Construction Technology	Construction Technology	JLT	Construction Technology	Construction Technology	Construction Technology	Construction Technology	Construction Technology	JLT
Report Date		4/13/06	4/13/06	4/13/06	5/9/06	4/13/06	4/13/06	4/13/06	4/13/06	4/13/06	5/9/06
Laboratory Sample Number		8063	8064	8065		8066	8067	8068	8069	8070	
Filter Criteria (Revised 2/28/06 by FCO #009)											
Permittivity of geotextile (minimum)(based on % passing #200)	**ASTM D4491**										
<15%	0.5 sec (-1)	-	0.5	0.5	0.5	0.5			0.5	0.5	0.5
15 to 50%	0.2 sec (-1)	0.2	-	-	-	-	0.2	0.2	-	-	-
>50%	0.1 sec (-1)	-	-	-	-	-	-	-	-	-	-
Actual permittivity of geotextile (7-oz fabric against soil)	**1.41 sec (-1)**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
AOS of geotextile (maximum)(based on % passing #200)	**ASTM D4751**										
<15%	0.43 mm	-	0.43	0.43	0.43	0.43	-	-	0.43	0.43	0.43
15 to 50%	0.25 mm	0.25	-	-	-	-	0.25	0.25	-	-	-
>50%	0.22 mm	-	-	-	-	-	-	-	-	-	-
Actual AOS of geotextile (7-oz fabric against soil)	**#70 = 0.21 mm**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
Hydraulic Conductivity Testing (Revised 2/28/06 by FCO #009)	**maximum**										
Avg. Permeability (cm/sec)	**1x10(-4)**	9.75E-06	6.55E-05	2.11E-05	1.38E-04	7.80E-05	1.71E-05	1.13E-05	8.96E-06	1.73E-05	1.44E-05
Compaction	**95%**	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
ASTM methods	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084	D1557 & D5084
Pass/Fail?		**Pass**	**Pass**	**Pass**	**Fail**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
Max Dry Density (pcf)	ASTM D1557	137.9	139.8	140.4	134.5	136.3	132.6	132.7	138.6	137.8	137
Optimum Moisture (%)	ASTM D1557	8.2	5.7	6.8	6.8	6.1	8.1	8.0	7.2	6.9	7.2
Particle Size Analysis (See Note 1)	ASTM D422										
Sieve (No.)	**% Passing**										
2" **(Clarified by 7/5/06 Parsons email)**	100		100	100						100	
1-1/2"	-	100	94.1	92.8	100	100	100	100		88.7	
1"	-	93.2	81.6	79.4	91.5	88.6	96.7	95.8		88.7	100
3/4"	-	89.5	76.3	76.5	81.2	87.4	96	95.8	100	86.4	97.9
1/2"	-	82.5	62.7	67.3	71.4	79.7	93.9	92.2	98.8	84.7	97.1
3/8"	-	77.7	55.6	63	68	73.8	89.9	89.7	95.5	81.7	95.6
1/4"	-	71.3	46.3	56.8		63.6	83.7	81.6	87.6	75.5	
#4	-	67.8	41.5	53.8	59.9	58.1	79.9	77.1	82.4	72.1	84.3
#8	-	59.2	30.4	43.8		42.5	70.4	65.8	67	61.3	
#10	-										
#16	-	50	22.8	33.1		27.9	61.2	55.8	49.1	49.3	
#20	-										
#30	-	39.7	15.3	19.2		14	51.7	45.2	31.3	34.1	
#40	-	34.6	12.2	13.8	12.5	8.6	46.4	39.6	23.5	28	31.6
#50	-	30.4	10.7	11.1		6.2	41.5	35.1	19	23.1	
#100	-	4.5	8.9	9.3	7.2	5	31.4	27.1	14.8	15.6	18.4
#200	-	17.8	6.4	6.9	5.3	3.6	23.3	20.9	12.6	11.9	14.5
PCBs (EPA Method 8082)	**Non-Detect**										
Comments											

Note 1: Particle size requirements deleted as per FCO #009. Cobbles exceeding 2 inche

TABLE 3.7
BARRIER PROTECTION MATERIAL SHEAR TEST RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample ID	Specification	Barrier Material; DAC Transmittal #18	Barrier Material; DAC Transmittal #18	Barrier Material; DAC Transmittal #20	Barrier Material; DAC Transmittal #20	Barrier Material; DAC Transmittal #20	Barrier Material; DAC Transmittal #20	Barrier Material; DAC Transmittal #24	Barrier Material; DAC Transmittal #24	Barrier Material; DAC Transmittal #24
Laboratory		Geotechnics	Geotechnics	Geotechnics	Geotechnics	Geotechnics	Geotechnics	Geotechnics	Geotechnics	Geotechnics
Report Date		6/19/06	6/19/06	7/14/06	7/14/06	7/14/06	7/14/06	8/8/06	8/8/06	8/8/06
Laboratory Sample Number		WFBM-DSC-1	WFBM-DSC-2	WFUS-1	WFUS-2	WFUS-3	WFUS-5	WFUS-4	WFUS-6	WFUS-7
Direct Shear (ASTM D3080)	**38° minimum**	48.4	45.3	44.3	47.8	41.9	49.4	57.8	48.6	46.0
Comments				Located 60' east of WFBM-26	Located 70' southeast of WFBM-27	Located 50' north of WFBM-20	Located 50' east of WFBM-31			

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-01-0706								
7/12/2006	8	1		105.9	5.8	Review	Fail	Note 2
7/12/2006	8	1		130.5	8.6	Review	Fail	Note 2
7/12/2006	8	1		123.0	7.5	Review	Fail	Note 2
7/12/2006	8	1		125.0	8.5	Review	Fail	Note 2
CME Report #6801S-02-0706								
7/14/2006	8			124.8	6.8	Review	Fail	Note 2
7/14/2006	8			120.1	14.0	Review	Fail	Note 2
7/14/2006	8			133.5	8.7	Pass		Note 2
7/14/2006	8			70.9	28.1	Review	Fail	Note 2
7/14/2006	8			129.2	7.2	Review	Fail	Note 2
7/14/2006	8			107.4	17.6	Review	Fail	Note 2
7/14/2006	8			130.9	8.3	Review	Fail	Note 2
7/14/2006	8			117.3	15.6	Review	Fail	Note 2
7/14/2006	8			134.2	6.6	Pass		Note 2
7/14/2006	8			116.7	15.9	Review	Fail	Note 2
CME Report #6801S-03-0706								
7/18/2006	8	2		133.8	7.7	Pass		Note 2
7/18/2006	8	2		133.6	7.4	Pass		Note 2
7/18/2006	8	2		134.3	6.2	Pass		Note 2
7/18/2006	8	2		128.0	6.3	Review	Fail	Note 2
7/18/2006	8	2		129.7	5.0	Review	Fail	Note 2
7/18/2006	8	2		129.1	5.1	Review	Fail	Note 2
7/18/2006	8	2		133.0	4.6	Pass		Note 2
7/18/2006	8	1		126.0	12.6	Review	Fail	Note 2
7/18/2006	8	1		123.1	12.9	Review	Fail	Note 2
7/18/2006	8	1		122.7	13.5	Review	Fail	Note 2
7/18/2006	8	2		134.1	7.4	Pass		Note 2
7/18/2006	8	2		132.0	7.3	Pass		Note 2
7/18/2006	8	2		133.4	7.5	Pass		Note 2
7/18/2006	8	2		126.2	5.0	Review	Fail	Note 2
7/18/2006	8	2		129.9	5.5	Review	Fail	Note 2
7/18/2006	8	2		132.1	5.8	Pass		Note 2
7/18/2006	8	2		121.1	6.7	Review	Fail	Note 2
7/18/2006	8	2		133.4	6.3	Pass		Note 2

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-04-0706								
7/19/2006	7			132.8	6.8	Pass		
7/19/2006	7			133.5	6.4	Pass		
7/19/2006	7			137.1	5.8	Pass		
7/19/2006	7			133.6	5.5	Pass		
7/19/2006	7			132.9	6.5	Pass		
7/19/2006	7			131.6	6.0	Pass		
7/19/2006	7			131.6	6.0	Pass		
7/19/2006	7			127.3	5.4	Review	Fail	Note 2
7/19/2006	7			119.2	6.0	Review	Fail	Note 2
7/19/2006	8	1		133.0	8.1	Pass		Note 2
7/19/2006	8	1		125.5	12.2	Review	Fail	Note 2
7/19/2006	8	1		129.3	9.2	Review	Fail	Note 2
7/19/2006	8	1		126.7	11.1	Review	Fail	Note 2
7/19/2006	8	1		115.2	10.4	Review	Fail	Note 2
7/19/2006	8	1		121.4	10.7	Review	Fail	Note 2
7/19/2006	8	1		123.4	8.8	Review	Fail	Note 2
7/19/2006	8	1		118.0	9.6	Review	Fail	Note 2
7/19/2006	7			132.3	6.8	Pass		
7/19/2006	7			124.0	5.3	Review	Fail	Retested 7-24
CME Report #6801S-05-0706								
7/20/2006	8	1		128.3	6.1	Review	Fail	Note 2
7/20/2006	8	1		128.5	5.6	Review	Fail	Note 2
7/20/2006	8	1		135.6	7.9	Pass		Note 2
7/20/2006	8	1		136.5	7.3	Pass		Note 2
7/20/2006	8	1		123.8	6.8	Review	Fail	Note 2
7/20/2006	8	1		134.7	7.0	Pass		Note 2
7/20/2006	8	1		131.8	5.7	Pass		Note 2
7/20/2006	8	1		123.8	5.4	Review	Fail	Note 2
7/20/2006	8	1		133.7	5.1	Pass		Note 2
7/20/2006	8	2		123.5	6.0	Review	Fail	Note 2
7/20/2006	8	2		127.3	4.8	Review	Fail	Note 2
7/20/2006	8	2		122.5	5.7	Review	Fail	Note 2
7/20/2006	8	2		132.3	5.9	Pass		Note 2
7/20/2006	8	2		114.9	6.2	Review	Fail	Note 2
7/20/2006	8	2		126.4	4.9	Review	Fail	Note 2
7/20/2006	8	2		132.2	5.4	Pass		Note 2
7/20/2006	8	2		132.4	5.4	Pass		Note 2
7/20/2006	8	2		128.6	6.4	Review	Fail	Note 2
7/20/2006	8	2		127.0	4.9	Review	Fail	Note 2

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-06-0706								
7/24/2006	8	1/2 (Note 3)	2+25	132.4	7.0	Pass		50' OFFSET
7/24/2006	8	1/2 (Note 3)	2+25	136.7	7.3	Pass		75' OFFSET
7/24/2006	8	1/2 (Note 3)	2+25	128.9	6.2	Review	Pass	100' OFFSET (See Note 4c - Pass)
7/24/2006	8	1/2 (Note 3)	2+00	137.3	7.1	Pass		100' OFFSET
7/24/2006	8	1/2 (Note 3)	2+00	133.7	7.2	Pass		75' OFFSET
7/24/2006	8	1/2 (Note 3)	2+00	133.6	6.5	Pass		50' OFFSET
7/24/2006	8	1/2 (Note 3)	1+75	129.6	5.8	Review	Pass	50' OFFSET (See Note 4c - Pass)
7/24/2006	8	1/2 (Note 3)	1+75	134.6	7.2	Pass		75' OFFSET
7/24/2006	8	1/2 (Note 3)	1+75	133.1	8.2	Pass		100' OFFSET
7/24/2006	8	1/2 (Note 3)	1+50	133.3	6.4	Pass		100' OFFSET
7/24/2006	8	1/2 (Note 3)	1+50	129.7	6.9	Review	Pass	75' OFFSET (See Note 4c - Pass)
7/24/2006	8	1/2 (Note 3)	1+50	133.8	6.3	Pass		50' OFFSET
7/24/2006	8	1/2 (Note 3)	1+25	131.9	5.6	Pass		50' OFFSET
7/24/2006	8	1/2 (Note 3)	1+25	131.3	7.3	Pass		75' OFFSET
7/24/2006	8	1/2 (Note 3)	1+100	134.3	6.0	Pass		75' OFFSET
7/24/2006	8	1/2 (Note 3)	0+50	134.2	7.2	Pass		75' OFFSET
7/24/2006	8	1/2 (Note 3)	0+50	136.8	6.6	Pass		50' OFFSET
7/24/2006	8	1/2 (Note 3)	0+25	135.4	6.0	Pass		50' OFFSET
7/24/2006	7	2	2+25	133.8	7.7	Pass		150' OFFSET
7/24/2006	7	2	2+25	133	6.5	Pass		175' OFFSET
7/24/2006	7	2	2+25	129	6.2	Review	Pass	200' OFFSET (See Note 4c - Pass)
7/24/2006	7	2	2+00	132.4	6.0	Pass		200' OFFSET
7/24/2006	7	2	2+00	135.1	6.8	Pass		175' OFFSET
7/24/2006	7	2	2+00	130.8	7.5	Review	Pass	150' OFFSET (See Note 4c - Pass)
7/24/2006	7	2	1+75	133.6	5.8	Pass		150' OFFSET
7/24/2006	7	2	1+75	134.1	6.9	Pass		175' OFFSET
7/24/2006	7	2	1+75	133.7	5.7	Pass		200' OFFSET

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-07-0706								
7/25/2006	8	1	2+75	133.7	8.2	Pass		
7/25/2006	8	1	2+75	133.8	8.4	Pass		
7/25/2006	8	1	2+75	134.1	7.0	Pass		
7/25/2006	8	1	3+00	130.9	7.6	Review	Pass	See Note 4c - Pass
7/25/2006	8	1	3+00	134.5	7.4	Pass		
7/25/2006	7	1	3+00	134.1	7.4	Pass		
7/25/2006	7	1	3+00	135.7	7.7	Pass		
7/25/2006	7	1	2+75	133.7	8.2	Pass		
7/25/2006	7	1	2+75	134.5	8.2	Pass		
CME Report #6801S-08-0706								
7/26/2006	8	1	2+50	131.8	7.7	Pass		86' OFFSET
7/26/2006	8	1	2+50	121.6	6.9	Review	Fail	112' OFFSET. Retested on 7/31
7/26/2006	8	1	2+50	124.6	10.0	Review	Fail	112' OFFSET. Retested on 7/31
7/26/2006	8	1	2+25	131.7	9.0	Pass		134' OFFSET
7/26/2006	7	1	2+75	134.7	8.3	Pass		152' OFFSET
7/26/2006	7	1	2+75	133.1	8.9	Pass		180' OFFSET
7/26/2006	7	1	2+75	134.1	8.0	Pass		210' OFFSET
7/26/2006	7	1	3+00	132.2	7.6	Pass		210' OFFSET
7/26/2006	7	1	3+00	135.5	7.0	Pass		210' OFFSET
7/26/2006	7	1	3+00	134.0	8.4	Pass		180' OFFSET
7/26/2006	7	1	2+25	132.3	8.5	Pass		152' OFFSET
7/26/2006	7	1	2+25	131.5	7.0	Pass		152' OFFSET
7/26/2006	6	1	2+25	131.0	6.7	Pass		180' OFFSET
7/26/2006	6	1	2+25	133.3	8.0	Pass		
7/26/2006	6	1	2+00	134.0	9.1	Pass		
7/26/2006	6	1	1+75	132.3	7.5	Pass		
7/26/2006	6	1	1+75	133.3	7.9	Pass		
7/26/2006	6	1	1+50	132.6	7.0	Pass		
7/26/2006	6	1	1+50	131.8	6.1	Pass		
CME Report #6801S-09-0706								
7/27/2006	8	1	3+25	132.4	7.4	Pass		
7/27/2006	8	1	3+25	131.3	7.5	Pass		
7/27/2006	8	1	3+25	133.0	7.0	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-10-0706								
7/28/2006	5	1	3+25	133.1	6.7	Pass		
7/28/2006	5	1	3+25	135.9	7.1	Pass		
7/28/2006	5	1	3+25	134.1	8.4	Pass		
7/28/2006	5	1	3+75	134.3	7.0	Pass		
7/28/2006	5	1	3+25	132.2	7.0	Pass		
7/28/2006	5	1	3+50	137.4	6.7	Pass		
7/28/2006	5	1	4+00	138.2	7.5	Pass		
7/28/2006	5	1	4+00	132.8	9.1	Pass		
CME Report #6801S-11-0706								
7/31/2006	5	1	4+25	135.9	6.7	Pass		
7/31/2006	5	1	4+25	136.1	7.6	Pass		
7/31/2006	5	1	4+25	133.6	8.5	Pass		
7/31/2006	6	1	4+50	132.0	6.9	Pass		
7/31/2006	6	1	4+50	131.2	5.7	Pass		
7/31/2006	6	1	4+50	132.4	5.4	Pass		
7/31/2006	6	1	4+50	132.4	9.0	Pass		
7/31/2006	6	1	4+25	134.2	8.4	Pass		
7/31/2006	6	1	4+25	133.4	7.3	Pass		
7/31/2006	6	1	4+25	130.9	6.6	Review	Pass	See Note 4c
7/31/2006	6	1	4+50	133.7	7.6	Pass		
7/31/2006	5	1	4+00	134.6	7.9	Pass		
7/31/2006	5	1	3+75	132.2	6.5	Pass		
7/31/2006	7	1	2+50	131.4	8.8	Pass		
7/31/2006	7	2	2+50	132.4	6.4	Pass		
7/31/2006	8	1	2+50	131.7	7.4	Pass		
7/31/2006	7	2	2+25	131.4	8.6	Pass		
7/31/2006	7	2	2+00	131.6	8.1	Pass		
7/31/2006	7	2	2+00	130.8	8.9	Review	Pass	See Note 4c
7/31/2006	7	2	2+00	131.5	9.3	Pass		
7/31/2006	7	2	2+25	132.9	8.5	Pass		
7/31/2006	7	2	2+70	135.5	9.0	Pass		
7/31/2006	7	2	3+00	132.0	6.9	Pass		
7/31/2006	7	2	3+00	134.8	6.3	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-12-0706								
8/1/2006	6	1	4+00	135.8	7.4	Pass		
8/1/2006	6	1	4+00	135.0	6.2	Pass		
8/1/2006	6	1	4+00	132.6	6.4	Pass		
8/1/2006	6	1	3+75	131.4	6.6	Pass		
8/1/2006	6	1	3+75	132.3	7.5	Pass		
8/1/2006	6	1	3+75	133.1	5.6	Pass		
8/1/2006	6	1	3+50	133.3	6.6	Pass		
8/1/2006	6	1	3+50	135.5	7.5	Pass		
8/1/2006	6	1	3+50	132.5	7.5	Pass		
8/1/2006	6	1	3+25	131.4	6.8	Pass		
8/1/2006	6	1	3+25	128.0	7.1	Review	Pass	See Note 4c
8/1/2006	6	1	3+25	136.0	7.3	Pass		
8/1/2006	5	1	3+25	131.4	6.7	Pass		
8/1/2006	5	1	3+25	133.5	9.0	Pass		
8/1/2006	5	1	3+00	132.9	7.1	Pass		
8/1/2006	5	1	3+00	131.2	9.2	Pass		
8/1/2006	5	1	2+75	135.8	8.0	Pass		
8/1/2006	5	1	2+75	134.9	7.6	Pass		
8/1/2006	5	1	2+75	133.1	6.4	Pass		
8/1/2006	5	1	2+50	134.1	6.8	Pass		
8/1/2006	5	1	2+50	135.9	7.0	Pass		
8/1/2006	5	1	2+50	133.0	7.7	Pass		
CME Report #6801S-13-0706								
8/2/2006	8	1	4+00	135.3	8.1	Pass		
8/2/2006	8	1	4+00	133.6	7.6	Pass		
8/2/2006	8	1	4+00	131.6	7.5	Pass		
8/2/2006	8	1	3+75	131.5	7.9	Pass		
8/2/2006	8	1	3+50	133.4	6.8	Pass		
8/2/2006	8	1	3+50	133.6	7.5	Pass		
8/2/2006	5	1	2+25	136.1	7.2	Pass		
8/2/2006	5	1	2+25	137.2	6.9	Pass		
8/2/2006	5	1	2+25	135.0	7.2	Pass		
8/2/2006	5	1	2+00	136.5	8.3	Pass		
8/2/2006	5	1	2+00	137.0	6.9	Pass		
8/2/2006	5	1	2+00	131.5	8.4	Pass		
8/2/2006	5	1	1+75	131.2	7.6	Pass		
8/2/2006	5	1	1+75	133.8	8.4	Pass		
8/2/2006	5	1	1+75	131.7	9.2	Pass		
8/2/2006	5	1	1+50	132.6	9.0	Pass		
8/2/2006	5	1	1+50	132.6	8.5	Pass		
8/2/2006	5	1	1+50	134.2	8.1	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-14-0706								
8/3/2006	6	1	2+75	131.4	6.4	Pass		
8/3/2006	6	1	2+75	133.1	7.4	Pass		
8/3/2006	6	1	1+25	133.8	7.9	Pass		
8/3/2006	6	1	1+25	134.6	6.8	Pass		
8/3/2006	6	1	1+00	133.5	6.3	Pass		
8/3/2006	6	1	1+00	132.6	6.4	Pass		
8/3/2006	6	1	0+50	133.3	6.8	Pass		
8/3/2006	6	1	0+50	131.0	7.3	Pass		
8/3/2006	6	1	1+50	135.3	7.7	Pass		
8/3/2006	6	1	1+25	135.4	6.9	Pass		
8/3/2006	6	1	1+00	133.6	6.2	Pass		
8/3/2006	6	1	0+75	132.7	7.5	Pass		
8/3/2006	6	1	0+30	131.7	5.9	Pass		
8/3/2006	6	1	2+25	131.4	6.6	Pass		
8/3/2006	6	1	2+75	133.3	8.7	Pass		
8/3/2006	8	1	4+25	134.2	5.9	Pass		
8/3/2006	7	1	3+25	131.0	6.6	Pass		
8/3/2006	7	1	3+75	131.0	8.1	Pass		
8/3/2006	7	1	3+75	132.4	6.6	Pass		
8/3/2006	7	1	3+50	130.4	8.2	Review	Pass	See Note 4c
8/3/2006	7	1	3+50	136.2	7.7	Pass		
8/3/2006	7	1	3+50	132.2	6.9	Pass		
8/3/2006	7	1	3+25	132.2	8.7	Pass		
CME Report #6801S-15-0706								
8/4/2006	6	2	2+00	131.0	8.6	Pass		
8/4/2006	6	2	2+00	131.9	8.1	Pass		
8/4/2006	6	2	2+00	132.0	6.7	Pass		
8/4/2006	6	2	1+75	132.3	7.0	Pass		
8/4/2006	6	2	1+75	132.1	7.6	Pass		
8/4/2006	6	2	1+75	132.1	8.0	Pass		
8/4/2006	6	2	1+50	132.5	7.0	Pass		
8/4/2006	6	2	1+50	131.9	8.1	Pass		
8/4/2006	6	2	1+50	136.3	6.4	Pass		
8/4/2006	6	2	1+25	136.2	6.8	Pass		
8/4/2006	6	2	1+25	133.7	7.0	Pass		
8/4/2006	6	2	1+25	132.5	6.7	Pass		
8/4/2006	6	2	1+00	132.6	7.1	Pass		
8/4/2006	6	2	1+00	131.2	7.9	Pass		
8/4/2006	6	2	1+00	133.2	7.8	Pass		
8/4/2006	6	2	0+75	133.2	7.1	Pass		
8/4/2006	6	2	0+75	131.9	7.7	Pass		
8/4/2006	6	2	0+75	132.0	7.1	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
8/4/2006	7	2	3+25	131.1	7.6	Pass		
8/4/2006	7	2	3+25	132.0	7.7	Pass		
8/4/2006	7	2	3+25	131.5	8.2	Pass		
8/4/2006	7	2	3+50	131.0	7.4	Pass		
8/4/2006	7	2	3+50	132.1	7.1	Pass		
8/4/2006	7	2	3+50	131.5	8.6	Pass		
8/4/2006	7	2	3+75	131.5	7.1	Pass		
8/4/2006	7	2	3+75	131.0	7.2	Pass		
8/4/2006	7	2	3+75	132.4	7.7	Pass		
8/4/2006	8	2	3+25	135.9	7.2	Pass		
8/4/2006	8	2	3+25	131.1	7.5	Pass		
8/4/2006	8	2	3+25	136.0	6.4	Pass		
8/4/2006	8	2	3+50	133.8	5.3	Pass		
8/4/2006	8	2	3+50	131.4	6.7	Pass		
8/4/2006	8	2	3+50	132.0	9.1	Pass		
8/4/2006	8	2	3+75	131.2	8.3	Pass		
8/4/2006	8	2	3+75	134.5	9.1	Pass		
8/4/2006	8	2	3+78	131.5	7.4	Pass		
8/4/2006	8	2	4+00	132.0	7.1	Pass		
8/4/2006	8	2	4+00	134.6	7.4	Pass		
8/4/2006	8	2	4+00	133.8	7.7	Pass		
8/4/2006	8	2	4+25	131.1	8.1	Pass		
8/4/2006	8	2	4+25	132.2	6.7	Pass		
8/4/2006	8	2	4+25	132.3	7.1	Pass		
CME Report #6801S-16-0706								
8/7/2006	6	2	2+75	131.2	5.0	Pass		
8/7/2006	6	2	2+75	131.3	6.0	Pass		
8/7/2006	6	2	2+75	131.7	6.3	Pass		
8/7/2006	6	2	2+50	132.6	6.0	Pass		
8/7/2006	6	2	2+50	131.7	8.0	Pass		
8/7/2006	6	2	2+50	134.4	5.4	Pass		
8/7/2006	6	2	2+25	131.3	6.1	Pass		
8/7/2006	6	2	2+25	132.3	6.7	Pass		
8/7/2006	6	2	2+25	131.2	6.7	Pass		
8/7/2006	8	2	4+00	137.1	7.0	Pass		
8/7/2006	8	2	4+00	131.1	7.0	Pass		
8/7/2006	8	2	4+00	131.4	5.9	Pass		
8/7/2006	8	1	4+25	131.3	7.0	Pass		
8/7/2006	8	1	4+25	136.0	7.5	Pass		
8/7/2006	8	1	4+25	135.2	7.5	Pass		
8/7/2006	8	1	4+25	132.9	8.7	Pass		Access Road
8/7/2006	8	1	4+50	136.5	7.6	Pass		
8/7/2006	8	1	4+50	131.0	8.5	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
8/7/2006	8	1	4+50	131.3	7.2	Pass		
8/7/2006	6	2	3+00	131.4	7.7	Pass		
8/7/2006	6	2	3+00	132.9	6.7	Pass		
8/7/2006	6	2	3+00	136.0	7.5	Pass		
8/7/2006	5	1	1+25	134.1	7.0	Pass		
8/7/2006	5	1	1+25	134.1	5.9	Pass		
8/7/2006	5	1	1+25	131.7	8.3	Pass		
8/7/2006	5	1	0+90	132.5	8.1	Pass		
8/7/2006	5	1	0+90	134.1	7.4	Pass		
8/7/2006	5	1	0+90	131.8	7.6	Pass		
8/7/2006	5	1	0+50	131.6	6.1	Pass		
8/7/2006	5	1	0+50	132.0	6.1	Pass		
8/7/2006	5	1	0+50	137.0	7.1	Pass		
CME Report #6801S-17-0706								
8/8/2006	5	2	0+10	135.8	6.0	Pass		
8/8/2006	5	2	0+10	131.4	6.9	Pass		
8/8/2006	5	2	0+10	131.8	6.5	Pass		
8/8/2006	5	2	0+25	134.7	6.2	Pass		
8/8/2006	5	2	0+25	137.3	6.0	Pass		
8/8/2006	5	2	0+25	131.8	6.8	Pass		
8/8/2006	5	2	0+75	134.3	6.7	Pass		
8/8/2006	5	2	0+75	135.7	6.7	Pass		
8/8/2006	5	2	0+75	132.0	6.1	Pass		
8/8/2006	5	2	1+00	136.0	6.1	Pass		
8/8/2006	5	2	1+00	136.9	6.9	Pass		
8/8/2006	5	2	1+00	138.3	6.3	Pass		
8/8/2006	5	2	1+25	136.5	5.9	Pass		
8/8/2006	5	2	1+25	131.3	6.0	Pass		
8/8/2006	5	2	1+25	134.9	5.7	Pass		
8/8/2006	5	2	1+50	136.3	7.7	Pass		
8/8/2006	5	2	1+50	131.1	5.9	Pass		
8/8/2006	5	2	1+50	131.7	6.3	Pass		
8/8/2006	5	2	2+00	131.7	5.9	Pass		
8/8/2006	5	2	2+00	132.9	5.2	Pass		
8/8/2006	5	2	2+00	137.2	6.1	Pass		
8/8/2006	5	2	2+25	132.3	6.3	Pass		
8/8/2006	5	2	2+25	134.7	6.5	Pass		
8/8/2006	5	2	2+25	135.1	6.3	Pass		
8/8/2006	5	2	2+50	134.4	6.9	Pass		
8/8/2006	5	2	2+50	133.3	6.2	Pass		
8/8/2006	5	2	2+50	132.8	5.7	Pass		
8/8/2006	5	2	2+75	131.6	7.2	Pass		
8/8/2006	5	2	2+75	132.1	6.4	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
8/8/2006	5	2	2+75	131.9	5.0	Pass		
CME Report #6801S-18-0706								
8/9/2006	5	2	3+00	136.7	5.3	Pass		
8/9/2006	5	2	3+00	136.1	7.0	Pass		
8/9/2006	5	2	3+00	130.8	7.2	Review	Pass	See Note 4c
8/9/2006	6	2	3+25	132.6	7.7	Pass		
8/9/2006	6	2	3+25	131.4	8.7	Pass		
8/9/2006	6	2	3+25	134.4	8.8	Pass		
8/9/2006	6	2	3+50	133.9	7.2	Pass		
8/9/2006	6	2	3+50	134.9	8.0	Pass		
8/9/2006	6	2	3+50	132.4	8.2	Pass		
8/9/2006	6	2	3+75	133.7	7.4	Pass		
8/9/2006	6	2	3+75	132.8	8.4	Pass		
8/9/2006	6	2	3+75	131.1	8.3	Pass		
8/9/2006	6	2	3+15	132.8	6.4	Pass		Access Road
8/9/2006	6	2	3+15	132.0	7.7	Pass		
8/9/2006	6	2	3+15	132.3	6.3	Pass		
CME Report #6801S-19-0706								
8/10/2006	6	2	4+50	128.5	5.8	Review	Pass	See Note 4c
8/10/2006	6	2	4+50	137.2	7.1	Pass		
8/10/2006	6	2	4+50	132.4	5.6	Pass		
8/10/2006	6	2	4+75	133.6	6.6	Pass		
8/10/2006	6	2	4+75	136.2	5.1	Pass		
8/10/2006	7	1	4+00	127.1	4.6	Review	Pass	Retested on 8/11
8/10/2006	7	1	4+25	130.3	5.2	Review	Pass	See Note 4c

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-20-0706								
8/11/2006	1	1	5+05	131.0	5.9	Pass		
8/11/2006	1	1	5+05	131.5	7.6	Pass		
8/11/2006	1	1	5+05	136.4	6.9	Pass		
8/11/2006	1	1	5+30	137.2	6.0	Pass		
8/11/2006	1	1	5+30	135.3	6.0	Pass		
8/11/2006	1	1	5+75	132.3	5.2	Pass		
8/11/2006	1	1	5+75	132.8	6.7	Pass		
8/11/2006	7	1	4+50	132.4	6.3	Pass		
8/11/2006	7	1	4+50	131.7	5.8	Pass		
8/11/2006	7	1	4+50	130.8	6.9	Review	Pass	See Note 4c
8/11/2006	7	1	4+25	131.3	6.1	Pass		
8/11/2006	7	1	4+25	133.4	6.2	Pass		
8/11/2006	7	1	4+25	131.3	6.6	Pass		
8/11/2006	7	1	4+00	133.1	5.9	Pass		
8/11/2006	7	1	4+00	130.8	4.8	Review	Pass	See Note 4c
8/11/2006	7	1	4+00	131.6	5.9	Pass		
8/11/2006	4	1	6+15	135.3	7.2	Pass		
8/11/2006	4	1	6+00	134.1	6.8	Pass		
8/11/2006	4	1	6+00	133.8	6.9	Pass		
8/11/2006	4	1	5+75	131.9	6.8	Pass		
8/11/2006	4	1	6+15	131.3	6.6	Pass		
8/11/2006	4	1	6+25	131.6	7.1	Pass		
8/11/2006	4	1	6+25	132.9	6.5	Pass		
8/11/2006	4	1	6+25	135.7	6.2	Pass		
8/11/2006	4	1	6+50	131.9	8.0	Pass		
8/11/2006	4	1	6+50	131.9	6.5	Pass		
8/11/2006	4	1	6+50	131.3	6.9	Pass		
8/11/2006	4	1	6+75	132.3	6.9	Pass		
8/11/2006	4	1	6+75	131.5	8.8	Pass		
8/11/2006	4	1	6+75	133.9	6.0	Pass		
8/11/2006	4	1	5+75	131.2	8.4	Pass		
8/11/2006	4	1	5+75	134.6	8.3	Pass		
8/11/2006	4	1	5+50	132.9	6.5	Pass		
8/11/2006	4	1	5+50	133.0	7.5	Pass		
8/11/2006	4	1	5+50	133.0	6.8	Pass		
8/11/2006	4	1	5+25	131.5	7.0	Pass		
8/11/2006	4	1	5+25	133.3	7.4	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-21-0706								
8/12/2006	8	1	5+00	132.1	4.1	Pass		
8/12/2006	8	1	5+00	133.6	5.0	Pass		
8/12/2006	8	1	4+50	131.5	4.4	Pass		
8/12/2006	8	1	4+50	130.5	4.7	Review	Pass	See Note 4c
8/12/2006	7	2	3+75	131.4	5.1	Pass		
8/12/2006	7	2	3+75	131.9	4.6	Pass		
8/12/2006	7	2	4+00	135.6	7.7	Pass		
8/12/2006	7	2	4+00	132.1	6.3	Pass		
8/12/2006	7	2	4+00	131.1	6.0	Pass		
8/12/2006	7	2	4+25	135.3	7.1	Pass		
8/12/2006	7	2	4+25	135.7	6.5	Pass		
8/12/2006	7	2	4+25	131.5	6.3	Pass		
8/12/2006	7	2	4+50	133.0	6.2	Pass		
8/12/2006	7	2	4+50	137.6	6.0	Pass		
8/12/2006	7	2	4+50	131.9	7.0	Pass		
8/12/2006	7	2	4+75	133.0	7.2	Pass		
8/12/2006	7	2	4+75	135.9	5.8	Pass		
8/12/2006	7	2	4+75	133.7	6.1	Pass		
8/12/2006	7	1	5+00	131.6	5.1	Pass		
8/12/2006	7	1	5+00	131.5	5.3	Pass		
8/12/2006	7	1	5+00	130.4	5.0	Review	Pass	See Note 4c
8/12/2006	7	1	5+25	133.5	6.3	Pass		
8/12/2006	7	1	5+25	133.0	7.2	Pass		
8/12/2006	7	1	5+50	133.8	4.4	Pass		
8/12/2006	7	1	5+50	134.0	5.2	Pass		
8/12/2006	7	1	5+50	132.6	5.8	Pass		
8/12/2006	3	1	6+75	131.6	5.8	Pass		
8/12/2006	3	1	6+75	131.9	5.7	Pass		
8/12/2006	3	1	6+75	136.2	5.9	Pass		
8/12/2006	3	1	6+50	135.3	6.1	Pass		
8/12/2006	3	1	6+50	136.1	6.0	Pass		
8/12/2006	3	1	6+50	131.5	5.9	Pass		
8/12/2006	3	1	6+25	132.1	5.8	Pass		
8/12/2006	3	1	6+25	133.5	6.9	Pass		
8/12/2006	3	1	6+25	139.4	6.9	Pass		
8/12/2006	3	1	6+00	135.1	7.4	Pass		
8/12/2006	3	1	6+00	132.8	6.6	Pass		
8/12/2006	4	1	6+00	137.3	6.2	Pass		
8/12/2006	4	1	6+00	133.0	5.8	Pass		
8/12/2006	4	1	5+75	133.3	6.8	Pass		
8/12/2006	4	1	5+75	133.2	7.9	Pass		
8/12/2006	4	1	5+50	131.3	6.5	Pass		
8/12/2006	4	1	5+50	131.7	6.4	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
8/12/2006	4	1	6+25	134.8	6.3	Pass		
8/12/2006	4	1	6+25	138.4	7.1	Pass		
8/12/2006	4	1	6+50	131.8	7.6	Pass		
8/12/2006	4	1	6+50	136.8	6.1	Pass		
8/12/2006	4	1	5+25	132.3	7.6	Pass		
8/12/2006	4	1	5+25	133.9	7.0	Pass		
8/12/2006	4	1	5+50	132.9	7.6	Pass		
8/12/2006	4	1	5+75	132.5	7.7	Pass		
8/12/2006	4	1	6+00	137.4	6.0	Pass		
8/12/2006	4	1	6+25	137.2	7.2	Pass		
8/12/2006	4	1	6+50	136.8	7.4	Pass		
CME Report #6801S-22-0706								
8/14/2006	4	2	6+25	130.9	7.5	Review	Pass	See Note 4c
8/14/2006	4	2	6+25	131.4	6.9	Pass		
8/14/2006	4	2	6+25	131.5	6.8	Pass		
8/14/2006	4	2	6+50	131.4	6.4	Pass		
8/14/2006	4	2	6+50	131.8	7.5	Pass		
8/14/2006	4	2	6+50	131.4	8.5	Pass		
8/14/2006	4	2	6+75	135.0	8.1	Pass		
8/14/2006	4	2	6+75	131.7	7.5	Pass		
8/14/2006	4	2	6+75	134.1	8.2	Pass		
8/14/2006	3	2	6+75	136.0	8.1	Pass		
8/14/2006	3	2	6+75	134.2	6.8	Pass		
8/14/2006	3	2	6+75	131.1	5.9	Pass		
8/14/2006	3	2	6+50	137.5	5.9	Pass		
8/14/2006	3	2	6+50	135.0	7.0	Pass		
8/14/2006	3	2	6+50	131.9	7.9	Pass		
8/14/2006	3	2	6+25	132.2	6.6	Pass		
8/14/2006	3	2	6+25	131.8	8.2	Pass		
8/14/2006	3	2	6+25	131.2	6.1	Pass		
8/14/2006	3	2	6+00	132.0	6.8	Pass		
8/14/2006	3	2	6+00	137.4	6.4	Pass		
8/14/2006	3	2	6+00	138.2	5.8	Pass		
8/14/2006	3	2	5+75	134.0	6.2	Pass		
8/14/2006	3	2	5+75	134.2	6.5	Pass		
8/14/2006	8	1	5+75	135.2	7.0	Pass		
8/14/2006	8	1	5+75	131.1	4.7	Pass		
8/14/2006	8	1	5+75	133.8	5.4	Pass		
8/14/2006	8	1	6+00	132.0	5.2	Pass		
8/14/2006	8	1	6+00	131.8	4.9	Pass		
8/14/2006	8	1	6+00	134.5	6.7	Pass		
8/14/2006	8	1	6+25	133.7	6.5	Pass		
8/14/2006	8	1	6+25	133.0	6.6	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
8/14/2006	8	1	6+25	131.3	4.8	Pass		
8/14/2006	8	1	6+50	131.8	6.2	Pass		
8/14/2006	8	1	6+50	132.2	6.6	Pass		
8/14/2006	8	1	6+50	131.2	4.7	Pass		
8/14/2006	1	1	6+00	133.4	6.9	Pass		
8/14/2006	1	1	6+00	131.5	4.8	Pass		
8/14/2006	1	1	6+25	133.3	6.9	Pass		
8/14/2006	1	1	6+25	132.7	7.8	Pass		
8/14/2006	1	1	6+50	132.0	7.9	Pass		
8/14/2006	1	1	6+50	134.7	7.8	Pass		
CME Report #6801S-23-0706								
8/15/2006	5	2	4+25	135.9	7.2	Pass		
8/15/2006	5	2	4+25	135.6	6.6	Pass		
8/15/2006	5	2	4+00	138.6	6.1	Pass		
8/15/2006	5	2	4+00	134.5	6.4	Pass		
8/15/2006	1	1	6+75	133.5	6.3	Pass		
8/15/2006	1	1	6+75	131.9	7.4	Pass		
8/15/2006	1	1	6+75	135.6	6.6	Pass		
8/15/2006	1	1	6+80	131.4	6.8	Pass		
8/15/2006	1	1	6+80	131.2	7.5	Pass		
8/15/2006	1	1	7+00	132.6	6.7	Pass		
8/15/2006	1	1	7+00	131.6	7.0	Pass		
8/15/2006	1	1	7+25	131.4	7.3	Pass		
8/15/2006	1	1	7+25	132.5	7.4	Pass		
8/15/2006	4	1	6+75	131.6	8.1	Pass		
8/15/2006	4	1	6+75	131.9	8.9	Pass		
8/15/2006	4	1	6+75	133.5	6.6	Pass		
8/15/2006	4	1	7+00	134.2	7.3	Pass		
8/15/2006	4	1	7+00	132.0	8.0	Pass		
8/15/2006	4	1	7+00	131.7	8.5	Pass		
8/15/2006	4	1	7+25	131.3	9.2	Pass		
8/15/2006	4	1	7+25	133.5	7.9	Pass		
8/15/2006	4	1	7+25	131.6	8.4	Pass		
8/15/2006	4	1	7+50	134.3	8.1	Pass		
8/15/2006	4	1	7+50	131.8	8.8	Pass		
8/15/2006	4	1	7+50	131.2	7.9	Pass		
8/15/2006	4	1	7+75	132.3	8.0	Pass		
8/15/2006	4	1	7+75	133.6	7.8	Pass		
8/15/2006	4	1	7+75	134.1	8.1	Pass		
CME Report #6801S-24-0706								
8/16/2006	4	1	8+00	132.0	7.3	Pass		
8/16/2006	4	1	8+00	132.2	7.7	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
8/16/2006	4	1	8+00	131.5	8.0	Pass		
8/16/2006	4	1	8+25	131.1	7.4	Pass		
8/16/2006	4	1	8+25	131.5	8.1	Pass		
8/16/2006	4	1	8+25	132.1	8.2	Pass		
8/16/2006	4	2	7+75	131.5	8.2	Pass		
8/16/2006	4	2	7+75	131.4	7.5	Pass		
8/16/2006	4	2	7+75	131.8	7.6	Pass		
8/16/2006	4	2	7+50	131.2	9.3	Pass		
8/16/2006	4	2	7+50	132.2	8.0	Pass		
8/16/2006	4	2	7+50	133.8	7.3	Pass		
8/16/2006	4	2	7+25	131.0	7.7	Pass		
8/16/2006	4	2	7+25	133.9	8.2	Pass		
8/16/2006	4	2	7+25	131.9	8.8	Pass		
8/16/2006	4	2	7+00	132.1	8.4	Pass		
8/16/2006	4	2	7+00	132.2	7.7	Pass		
8/16/2006	2	1	8+00	132.3	7.0	Pass		
8/16/2006	2	1	8+00	132.8	7.6	Pass		
8/16/2006	2	1	8+25	131.7	7.9	Pass		
8/16/2006	2	1	8+25	131.8	8.5	Pass		
8/16/2006	2	1	8+50	134.0	7.6	Pass		
8/16/2006	2	1	8+50	133.7	8.3	Pass		
8/16/2006	2	1	8+75	133.5	7.7	Pass		
8/16/2006	2	1	8+75	135.5	7.6	Pass		
8/16/2006	4	1	8+50	131.3	6.1	Pass		
8/16/2006	4	1	8+50	131.8	7.9	Pass		
8/16/2006	4	1	8+50	131.3	7.6	Pass		
8/16/2006	4	1	8+75	131.5	7.6	Pass		
8/16/2006	4	1	8+75	132.8	7.3	Pass		
8/16/2006	4	1	8+75	133.5	7.6	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-25-0706								
8/17/2006	2	1	7+25	134.3	8.0	Pass		
8/17/2006	2	1	7+25	132.8	7.7	Pass		
8/17/2006	2	1	7+25	131.6	7.2	Pass		
8/17/2006	2	1	7+00	131.3	8.6	Pass		
8/17/2006	2	1	7+00	133.0	7.9	Pass		
8/17/2006	2	1	7+00	131.5	8.6	Pass		
8/17/2006	2	1	6+75	131.7	9.4	Pass		
8/17/2006	2	1	6+75	135.5	7.1	Pass		
8/17/2006	2	1	6+75	132.8	6.9	Pass		
8/17/2006	2	1	6+50	131.7	8.5	Pass		
8/17/2006	2	1	6+50	132.8	8.0	Pass		
8/17/2006	2	2	7+75	132.0	8.2	Pass		
8/17/2006	2	2	7+75	131.7	7.3	Pass		
8/17/2006	2	2	7+75	132.9	8.7	Pass		
8/17/2006	2	2	8+00	131.7	9.4	Pass		
8/17/2006	2	2	8+00	135.5	7.1	Pass		
8/17/2006	2	2	8+00	132.8	6.9	Pass		
8/17/2006	2	2	8+25	132.1	8.4	Pass		
8/17/2006	2	2	8+25	135.5	8.2	Pass		
8/17/2006	2	2	8+25	132.8	8.4	Pass		
8/17/2006	2	2	8+50	133.0	8.7	Pass		
8/17/2006	2	2	8+50	131.7	6.7	Pass		
8/17/2006	2	2	8+50	135.5	7.8	Pass		
8/17/2006	2	2	8+75	131.9	8.2	Pass		
8/17/2006	2	2	8+75	131.7	8.0	Pass		
8/17/2006	2	2	8+75	133.0	7.5	Pass		
8/17/2006	4	2	8+00	131.8	6.2	Pass		
8/17/2006	4	2	8+00	132.3	6.8	Pass		
8/17/2006	4	2	8+00	130.3	6.6	Review	Pass	See Note 4c
8/17/2006	4	2	8+25	132.0	6.9	Pass		
8/17/2006	4	2	8+25	132.3	6.3	Pass		
8/17/2006	4	2	8+25	134.3	7.1	Pass		
8/17/2006	4	2	8+50	132.6	6.5	Pass		
8/17/2006	4	2	8+50	131.0	7.7	Pass		
8/17/2006	4	2	8+50	132.0	8.0	Pass		
8/17/2006	4	2	8+75	135.3	6.0	Pass		
8/17/2006	4	2	8+75	131.5	6.4	Pass		
8/17/2006	4	2	8+75	131.3	6.7	Pass		
8/17/2006	3	1	8+75	132.1	6.5	Pass		
8/17/2006	3	1	8+75	135.5	7.4	Pass		
8/17/2006	3	1	8+75	134.7	6.4	Pass		
8/17/2006	3	1	8+50	135.3	8.2	Pass		
8/17/2006	3	1	8+50	138.9	6.6	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
8/17/2006	3	1	8+50	134.2	6.4	Pass		
8/17/2006	3	1	8+25	130.8	7.4	Review	Pass	See Note 4c
8/17/2006	3	1	8+25	132.7	8.5	Pass		
8/17/2006	3	1	8+25	132.2	7.9	Pass		
8/17/2006	3	1	8+00	136.0	7.5	Pass		
8/17/2006	3	1	8+00	137.9	6.7	Pass		
8/17/2006	3	1	8+00	133.9	6.3	Pass		
8/17/2006	3	1	7+75	132.6	6.4	Pass		
8/17/2006	3	1	7+75	134.1	7.8	Pass		
8/17/2006	3	1	7+75	132.7	7.1	Pass		
8/17/2006	3	1	7+50	132.1	7.9	Pass		
8/17/2006	3	1	7+50	136.0	7.6	Pass		
8/17/2006	3	1	7+50	131.5	7.1	Pass		
8/17/2006	3	1	7+25	132.6	7.6	Pass		
8/17/2006	3	1	7+25	131.5	7.7	Pass		
8/17/2006	3	1	7+25	132.2	6.6	Pass		
8/17/2006	3	1	7+00	136.2	6.6	Pass		
8/17/2006	3	1	7+00	132.2	7.9	Pass		
8/17/2006	3	1	7+00	135.5	7.9	Pass		
8/17/2006	1	1	7+50	134.3	7.3	Pass		
8/17/2006	1	1	7+75	133.0	7.9	Pass		
8/17/2006	1	1	8+00	134.8	7.9	Pass		
8/17/2006	1	1	8+25	133.5	7.4	Pass		
8/17/2006	1	1	8+50	134.5	5.8	Pass		
CME Report #6801S-26-0706								
8/18/2006	3	2	7+30	133.1	6.5	Pass		
8/18/2006	3	2	7+30	135.8	6.4	Pass		
8/18/2006	3	2	7+30	133.6	6.8	Pass		
8/18/2006	3	2	7+00	133.4	6.7	Pass		
8/18/2006	3	2	7+00	136.6	6.9	Pass		
8/18/2006	3	2	7+00	131.2	6.2	Pass		
8/18/2006	3	2	7+50	131.2	6.1	Pass		
8/18/2006	3	2	7+50	134.7	7.2	Pass		
8/18/2006	3	2	7+50	131.3	7.6	Pass		
8/18/2006	3	2	7+86	133.7	6.6	Pass		
8/18/2006	3	2	7+86	133.8	7.6	Pass		
8/18/2006	3	2	7+86	132.5	6.5	Pass		
8/18/2006	3	2	8+10	132.2	6.3	Pass		
8/18/2006	3	2	8+10	134.7	6.0	Pass		
8/18/2006	3	2	8+10	134.8	5.9	Pass		
8/18/2006	3	2	8+50	131.7	6.6	Pass		
8/18/2006	3	2	8+50	134.4	7.2	Pass		
8/18/2006	3	2	8+50	132.5	6.2	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
8/18/2006	3	2	7+00	137.7	6.9	Pass		
8/18/2006	3	2	7+00	131.2	7.3	Pass		
8/18/2006	3	2	7+00	135.7	7.0	Pass		
8/18/2006	3	2	6+75	131.7	6.8	Pass		
8/18/2006	3	2	6+75	137.4	6.8	Pass		
8/18/2006	3	2	6+75	131.4	7.4	Pass		
8/18/2006	3	2	6+50	138.8	6.8	Pass		
8/18/2006	3	2	6+50	131.7	6.7	Pass		
8/18/2006	3	2	6+50	131.5	7.4	Pass		
8/18/2006	3	2	6+25	134.1	5.9	Pass		
8/18/2006	3	2	6+25	135.0	6.1	Pass		
8/18/2006	3	2	6+25	131.3	7.5	Pass		
8/18/2006	3	2	6+00	136.3	6.3	Pass		
8/18/2006	1	2	7+00	133.0	6.1	Pass		
8/18/2006	1	2	7+25	131.2	6.9	Pass		
8/18/2006	1	2	7+50	131.4	6.3	Pass		
8/18/2006	1	2	8+00	131.6	8.1	Pass		
8/18/2006	1	2	8+50	131.8	8.2	Pass		
8/18/2006	1	2	8+25	135.2	8.4	Pass		
CME Report #6801S-27-0706								
8/22/2006	2	2	8+75	131.5	7.9	Pass		
8/22/2006	2	2	8+75	132.4	7.6	Pass		
8/22/2006	2	2	8+60	131.4	7.0	Pass		
8/22/2006	2	2	8+30	134.8	7.4	Pass		
8/22/2006	2	2	8+30	132.7	6.4	Pass		
8/22/2006	2	2	8+30	133.1	7.1	Pass		
8/22/2006	2	2	8+00	131.5	6.8	Pass		
8/22/2006	2	2	7+50	131.8	7.6	Pass		
8/22/2006	2	2	7+60	131.3	6.0	Pass		
8/22/2006	2	2	7+60	138.0	5.9	Pass		
8/22/2006	2	2	7+25	134.2	7.6	Pass		
8/22/2006	2	2	7+00	133.7	8.9	Pass		
8/22/2006	2	2	7+00	134.2	6.4	Pass		
8/22/2006	2	2	7+00	131.6	7.6	Pass		
8/22/2006	2	2	7+00	136.2	6.9	Pass		
8/22/2006	2	2	6+80	136.1	7.4	Pass		
8/22/2006	2	2	6+80	134.7	7.5	Pass		
8/22/2006	2	2	6+25	135.0	7.2	Pass		
8/22/2006	2	2	6+15	132.2	5.3	Pass		

TABLE 3.8
BARRIER PROTECTION MATERIAL FIELD DENSITY COMPACTION TESTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

DATE	CAP AREA	LIFT NO.	TEST LOCATION (Note 1)	NUCLEAR DENSOMETER FIELD DRY DENSITY (pcf)	NUCLEAR DENSOMETER FIELD MOISTURE (%)	STATUS (Note 4) 1st Criteria Pass (≥131 pcf) or Review by 2nd Criteria	STATUS (Note 4) 2nd Criteria Review (>128 pcf) or Fail	COMMENTS
CME Report #6801S-28-0706								
8/23/2006	1	2	6+25	131.5	5.9	Pass		
8/23/2006	1	2	6+25	132.6	5.5	Pass		
8/23/2006	1	2	6+25	131.5	6.0	Pass		
8/23/2006	1	2	6+20	132.3	6.8	Pass		
8/23/2006	1	2	5+75	132.3	6.8	Pass		
8/23/2006	1	2	5+75	135.4	6.8	Pass		
8/23/2006	1	2	5+75	132.6	7.9	Pass		
8/23/2006	1	2	5+50	137.6	7.5	Pass		

Notes:

1. A formal grid for test locations was established starting on 7/24/06. Stationing for compaction tests begins at the south edge of the landfill (0+00) and progresses to the north.

2. Compaction tests prior to 7/24/06 in Cap Area 8 were during a trial period in which various means and methods of obtaining compaction were attempted in areas wetted immediately after initial placement of the barrier protection material.

3. Tests in these sections of Cap Area 8 were from a combination of Lift 1 and Lift 2. The material was wetted immediately after placement and, as opposed to removing the material and risking damage to the underlying GDC and geomembrane, the area was reworked in various lifts until one lift achieved the compaction criteria. The design intent was considered achieved once the compaction criteria was achieved for one lift.

4. Per Parson's 7/27/06 email to Earthtech and DA Collins, these tests were considered acceptable. The criteria as presented in the email were as follows:
a. It is recommended that the Contractor place and compact the materials in the range of 6% to 8% water content. If water contents are outside this range, moisture conditioning (i.e. wetting or drying the BPM) may be required to achieve desired water contents.
b. **First criteria:** The target dry density of 131 pcf (i.e. 95% when maximum dry density (MDD) is 138 pcf) is generally an appropriate compaction standard.
c. **Second criteria:** 1 of 4 (25%) field compaction tests results below 131 pcf yet above 128 pcf will be acceptable. This is based on the range of BPM compaction properties and the laboratory results which indicate that BPM compacted to greater than 128 pcf generally achieved the required permeabilities.
d. It is recommend that these acceptances be done in the field, but the statistics should be evaluated daily by the Contractor and the Engineer to provide QA on this acceptance methodology.
e. The Engineer will evaluate outlier values on a case by case basis once it is clear that the Contractor has made a good faith effort to follow appropriate procedures.

TABLE 3.9
TOPSOIL QA/QC TEST RESULTS
RICHARDSON HILL ROAD LANDFILL
SIDNEY, NEW YORK

Sample ID	**Specification**	Topsoil; Shaw Transmittal #118	Topsoil; Shaw Transmittal #143	Topsoil; Shaw Transmittal #144	Topsoil; DAC 8/15/05 Transmittal	Topsoil; DAC 7/26/06 Transmittal #21	Topsoil; DAC 7/26/06 Transmittal #21
Laboratory		Mitkem & Emcon/OWT	Mitkem & Emcon/OWT	Mitkem & Emcon/OWT	CME Assoc & Adirondack	Const Tech & Adirondack	Const Tech & Adirondack
Report Date		6/4/04	6/4/04	10/27/04	5/26/05 & 8/15/05	7/20/06 & 7/24/06	7/20/06 & 7/24/06
Laboratory Sample Number		WFTS060104	WFTS091304	WFTS102704	20013S-79-0505 & 050812057	WF Topsoil-2	WF Topsoil-3
Sieve (No.)	**% Passing**						
2"	100				100	100	100
1-1/2"	-	100			100		
1"	85 to 100	95	100		99.4	100	100
3/4"	-	92	88	100	97.8	94.5	93.4
1/2"	-	88	79	96	92.7	91.6	89.0
3/8"	-	86	73	91		88.3	87.6
1/4"	65 to 95				85.7	85.5	84.3
#4	-	80	63	83	81.9	84.1	82.2
#8	-					79.2	76.4
#10	-	73	57	85			
#16	-					73.4	70.2
#30	-	61	45	61		67.2	63.9
#40	-	56	40	58	57.5	63.4	59.9
#50	-					57.9	54.6
#60	-	48	36	48			
#100	-	39	32	38		43.8	40.9
#200	20 to 80	31	27	32	27.3	33.2	31.0
Clay Content	<30	8.2	8.4	6.5	<27.3	Not tested	Not tested
pH (See Note 1)	5.5 to 7.5	5.9	5.6	5.8	5.4	6.5	6.5
Organic Content (See Note 1)	3 to 20%	3.65	3.38	3.22	2.80	3.60	3.50
PCBs	Non-detect	Non-detect	Non-detect	Non-detect	Non-detect	Non-detect	Non-detect

Note 1: The pH and organic content requirements were revised by Field Change Order (FCO) #011. The revised requirements achieve the minimums recommended in NYSDOT Specification Section 713-01.

TABLE 6-1
RICHARDSON HILL ROAD LANDFILL SITE
REMEDIAL WORK ELEMENTS I AND II
COST SUMMARY

Cost Item	ROD Estimate (1997 $$)	ROD Estimate (2006 $$)[2]	Actual Cost (2006 $$)[3,5]	Notes
RA Capital Cost	$7,871,000	$10,232,000	$22,616,000	4
RA O&M Cost (Annual)	$479,000	$623,000	$700,000	5
RA O&M Cost (PW)[1]	$5,993,000	$7,787,000	$8,690,000	
RA Present Worth	$13,864,000	$18,019,000	$31,306,000	
Difference between Actual RA Capital Cost and ROD Capital Cost Estimate:	$12,384,000, or +121%.			6

Notes:

1. ROD assumed discount rate of 7% for future work (e.g., O&M).
2. ROD Costs for work performed from 1997 to 2006 adjusted from 1997 $$ to 2006 $$ using ENR Building Cost Index (4369/3364).
3. Actual costs provided by Amphenol adjusted to 2006 $$ using ENR Building Cost Index. See Appendix H for. information provided by Amphenol.
4. Actual RA Capital Costs do not include approximately $1,200,000 in EPA oversight costs (EPA, 2007b).
5. Actual O&M Costs in 2005 and 2006 were approximately $500,000 for each year. Costs in these years were primarily for GWTP. Other site maintenance and monitoring not conducted in these years (RWE I Remedial Action ongoing). Total annual O&M cost estimated at $700,000. See Appendix H for cost information provided by Amphenol.
6. Difference between RA Capital Cost and ROD Estimate attributable to factors that include weather, schedule, and inclusion in the RA of the excavation and restoration of Herrick Hollow Creek segments #9 through #13.