



L7063

**BRADY ROAD RESOURCE
MANAGEMENT FACILITY DISPOSAL CELL
31 CONSTRUCTION
60mil HDPE AS-BUILT**

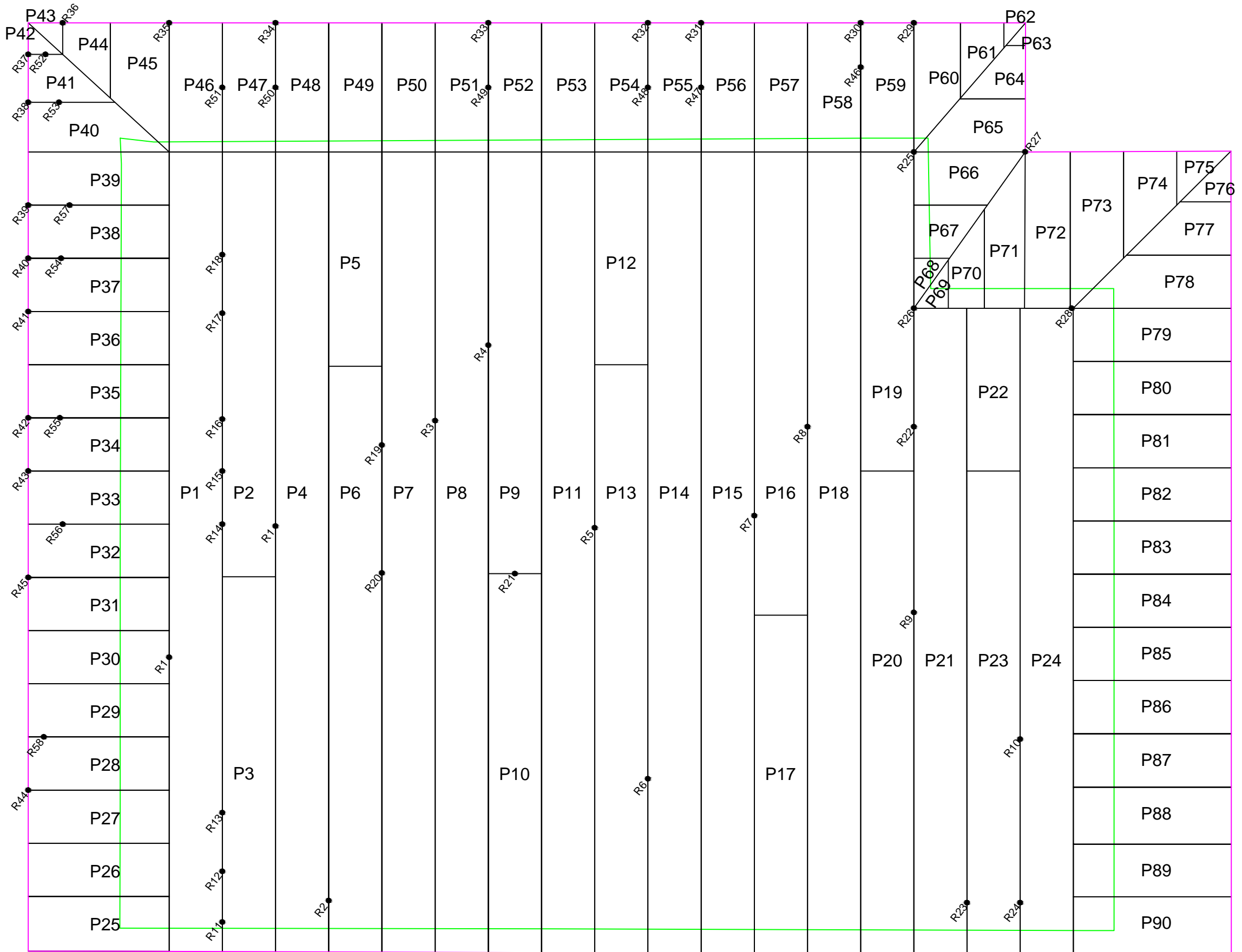
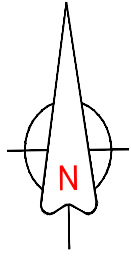
WINNIPEG, MB

COMPLETED 06-NOV-17

LEGEND:

— ANCHOR TRENCH/ TIE-IN

— SLOPE TRANSITION



Report any discrepancies to Titan Environmental Containment Ltd. Do not scale dimensions from drawing. Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Titan Environmental Containment Ltd. Final Panel Locations to be installed at the discretion of the TITAN field Superintendent as see fit to existing site conditions..

NOT APPROVED FOR CONSTRUCTION

PROJ. NO.:	L7063	BRADY ROAD LANDFILL			
DATE:	14-NOV-17	TITAN ENVIRONMENTAL CONTAINMENT LTD.			
DRAWN BY:	EA	CLIENT:	CITY OF WINNIPEG		
REV. BY:	ST	DWG TITLE:	HDPE AS-BUILT LAYOUT - CELL 31		
SCALE:	NTS	REV. NO.:	000	DWG NO.:	001



PANEL PLACEMENT LOG

Project Name: Brady Landfill

Product Type: 60mil HDPE

DATE	PANEL NUMBER	ROLL NUMBER	LENGTH	WIDTH	COMMENTS
			FEET		
25-Oct-17	1	976	334	22.5	
25-Oct-17	2	976	225	22.5	
25-Oct-17	3	980	108	22.5	
25-Oct-17	4	980	334	22.5	
25-Oct-17	5	980	114	22.5	
25-Oct-17	6	977	217	22.5	
25-Oct-17	7	977	333	22.5	
25-Oct-17	8	981	332	22.5	
25-Oct-17	9	981	220	22.5	
25-Oct-17	10	982	110	22.5	
25-Oct-17	11	982	330	22.5	
25-Oct-17	12	982	107	22.5	
25-Oct-17	13	975	222	22.5	
25-Oct-17	14	975	326	22.5	
25-Oct-17	15	984	325	22.5	
25-Oct-17	16	984	231	22.5	
25-Oct-17	17	979	92	22.5	
25-Oct-17	18	979	322	22.5	
25-Oct-17	19	979	142	22.5	
25-Oct-17	20	983	177	22.5	
25-Oct-17	21	983	267	22.5	
25-Oct-17	22	983	114	22.5	
25-Oct-17	23	978	153	22.5	
25-Oct-17	24	978	267	22.5	
25-Oct-17	25	086	82	22.5	
25-Oct-17	26	086	82	22.5	
25-Oct-17	27	086	82	22.5	
25-Oct-17	28	086	82	22.5	
25-Oct-17	29	086	82	22.5	
25-Oct-17	30	086	82	22.5	
25-Oct-17	31	081	82	22.5	
25-Oct-17	32	081	82	22.5	
25-Oct-17	33	081	82	22.5	
25-Oct-17	34	081	82	22.5	
25-Oct-17	35	081	82	22.5	
25-Oct-17	36	081	82	22.5	
25-Oct-17	37	082	82	22.5	
25-Oct-17	38	082	82	22.5	
25-Oct-17	39	082	82	22.5	
29-Oct-17	40	082	69	22.5	
29-Oct-17	41	082	57	22.5	
29-Oct-17	42	082	34	18	
29-Oct-17	43	082	10	12	
29-Oct-17	44	082	41	22.5	



PANEL PLACEMENT LOG

Project Name: Brady Landfill

Product Type: 60mil HDPE

DATE	PANEL NUMBER	ROLL NUMBER	LENGTH	WIDTH	COMMENTS
			FEET		
29-Oct-17	45	082	60	22.5	
29-Oct-17	46	848	60	22.5	
29-Oct-17	47	848	60	22.5	
29-Oct-17	48	848	60	22.5	
29-Oct-17	49	848	60	22.5	
29-Oct-17	50	848	60	22.5	
29-Oct-17	51	848	60	22.5	
29-Oct-17	52	848	60	22.5	
29-Oct-17	53	848	60	22.5	
29-Oct-17	54	089	60	22.5	
29-Oct-17	55	089	60	22.5	
29-Oct-17	56	089	60	22.5	
29-Oct-17	57	089	60	22.5	
29-Oct-17	58	089	60	22.5	
29-Oct-17	59	089	60	22.5	
29-Oct-17	60	089	58	22.5	
29-Oct-17	61	089	40	22.5	
29-Oct-17	62	089	21	18	
31-Oct-17	63	087	15	22.5	
31-Oct-17	64	087	40	22.5	
31-Oct-17	65	087	52	22.5	
31-Oct-17	66	087	52	22.5	
31-Oct-17	67	087	31	22.5	
31-Oct-17	68	087	12	5	
31-Oct-17	69	087	28	22.5	
31-Oct-17	70	087	50	22.5	
31-Oct-17	71	087	75	22.5	
31-Oct-17	72	087	75	22.5	
31-Oct-17	73	084	50	22.5	
31-Oct-17	74	087	30	22.5	
31-Oct-17	75	087	12	12	
31-Oct-17	76	084	21	22.5	
31-Oct-17	77	084	42	22.5	
31-Oct-17	78	083	58	22.5	
31-Oct-17	79	083	66	22.5	
31-Oct-17	80	083	65	22.5	
31-Oct-17	81	083	64	22.5	
31-Oct-17	82	083	63	22.5	
31-Oct-17	83	083	63	22.5	
31-Oct-17	84	083	62	22.5	
31-Oct-17	85	084	62	22.5	
31-Oct-17	86	084	61	22.5	
31-Oct-17	87	084	60	22.5	
31-Oct-17	88	084	60	22.5	
31-Oct-17	89	084	59	22.5	



PANEL PLACEMENT LOG

Project Name: Brady Landfill

Product Type: 60mil HDPE

DATE	PANEL NUMBER	ROLL NUMBER	LENGTH	WIDTH	COMMENTS
DD/MMM/YY			FEET		
31-Oct-17	90	084	58	22.5	



WEDGE SEAM LOG

Project Name: Brady Landfill

Product Type: 60mil HDPE

SEAM LOG							AIR TEST INFORMATION						
BETWEEN PANELS	WELD DATE	TIME OF DAY		TECHNICIAN	WEDGE #	SEAM LENGTH	TEST DATE	START TIME	START PSI	FINISH TIME	FINISH PSI	TEST RESULTS	QC TECHNICIAN
		DD/MMM/YY	AM										
1 - 2/3	25-Oct-17	9:43		AS	27	334.00	25-Oct-17	10:50	48	10:55	46	Pass	KH
2 - 3	25-Oct-17	9:42		DT	14	22.50	25-Oct-17	10:50	39	10:55	38	Pass	KH
2/3 - 4	25-Oct-17	9:50		LG	30	334.00	25-Oct-17	11:00	40	11:05	39	Pass	KH
4 - 5/6	25-Oct-17	10:31		LG	30	334.00	25-Oct-17	11:07	43	11:12	42	Pass	KH
5 - 6	25-Oct-17	10:52		DT	14	22.50	25-Oct-17	11:10	40	11:15	40	Pass	KH
5/6 - 7	25-Oct-17	10:31		AS	27	333.00	25-Oct-17	11:46	36	11:51	35	Pass	KH
7 - 8	25-Oct-17	10:30		DT	14	332.00	25-Oct-17	11:55	47	12:00	46	Pass	KH
8 - 9/10	25-Oct-17	11:22		AS	27	332.00	25-Oct-17	12:08	42	12:13	41	Pass	KH
9 - 10	25-Oct-17	11:38		DT	14	22.50	25-Oct-17	12:08	35	12:13	35	Pass	KH
9/10 - 11	25-Oct-17	11:32		LG	30	330.00	25-Oct-17	12:21	43	12:26	42	Pass	KH
11 - 12/13	25-Oct-17	11:54		AS	27	330.00	25-Oct-17	12:30	50	12:35	49	Pass	KH
12 - 13	25-Oct-17		12:08	DT	14	22.50	25-Oct-17	12:30	46	12:35	46	Pass	KH
12/13 - 14	25-Oct-17		12:26	LG	30	326.00	25-Oct-17	3:02	47	3:07	46	Pass	KH
14 - 15	25-Oct-17		12:26	AS	27	325.00	25-Oct-17	3:05	40	3:10	38	Pass	KH
15 - 16/17	25-Oct-17		1:20	LG	30	325.00	25-Oct-17	3:12	34	3:17	33	Pass	KH
16 - 17	25-Oct-17		1:15	DT	14	22.90	25-Oct-17	3:12	39	3:17	38	Pass	KH
16/17 - 18	25-Oct-17		1:48	AS	27	322.00	25-Oct-17	3:15	40	3:20	40	Pass	KH
18 - 19/20	25-Oct-17		2:01	LG	30	322.00	25-Oct-17	3:26	48	3:31	47	Pass	KH
19 - 20	25-Oct-17		2:00	DT	14	22.50	25-Oct-17	3:26	47	3:31	45	Pass	KH
19/20 - 21	25-Oct-17		2:25	AS	27	267.00	25-Oct-17	3:35	49	3:40	48	Pass	KH
21 - 22/23	25-Oct-17		2:20	DT	14	267.00	25-Oct-17	3:43	39	3:48	38	Pass	KH
22 - 23	25-Oct-17		2:30	DT	14	22.50	25-Oct-17	3:43	46	3:48	46	Pass	KH
22/23 - 24	25-Oct-17		2:41	LG	30	267.00	25-Oct-17	3:50	45	3:55	44	Pass	KH
25 - 26	25-Oct-17		4:03	AS	27	82.00	25-Oct-17	5:31	36	5:36	35	Pass	KH
26 - 27	25-Oct-17		4:07	LG	30	82.00	25-Oct-17	5:40	42	5:45	41	Pass	KH
27 - 28	25-Oct-17		4:14	AS	27	82.00	25-Oct-17	5:47	43	5:52	42	Pass	KH
28 - 29	25-Oct-17		4:19	LG	30	82.00	25-Oct-17	5:55	46	6:00	46	Pass	KH
29 - 30	25-Oct-17		4:29	AS	27	82.00	25-Oct-17	6:02	40	6:07	38	Pass	KH
30 - 31	25-Oct-17		4:32	LG	30	82.00	25-Oct-17	6:10	37	6:15	36	Pass	KH
31 - 32	25-Oct-17		4:41	AS	27	82.00	25-Oct-17	6:15	39	6:20	38	Pass	KH
32 - 33	25-Oct-17		4:45	LG	30	82.00	25-Oct-17	6:22	46	6:27	45	Pass	KH
33 - 34	25-Oct-17		4:53	AS	27	82.00	25-Oct-17	6:29	42	6:34	41	Pass	KH
34 - 35	25-Oct-17		4:56	LG	30	82.00	25-Oct-17	6:35	38	6:40	37	Pass	KH
35 - 36	25-Oct-17		5:07	AS	27	82.00	25-Oct-17	6:40	49	6:45	48	Pass	KH
36 - 37	25-Oct-17		5:08	LG	30	82.00	25-Oct-17	6:45	51	6:50	50	Pass	KH
37 - 38	25-Oct-17		5:21	AS	27	82.00	25-Oct-17	6:51	45	6:56	45	Pass	KH
38 - 39	25-Oct-17		5:23	LG	30	82.00	25-Oct-17	6:57	46	7:02	45	Pass	KH
39 - 40	29-Oct-17	10:15		LG	30	69.00	29-Oct-17	8:45	40	8:50	39	Pass	KH
40 - 41	29-Oct-17	10:13		AS	14	57.00	29-Oct-17	8:50	45	8:55	44	Pass	KH
41 - 42	29-Oct-17	10:28		AS	14	34.00	29-Oct-17	8:57	38	9:02	38	Pass	KH
43 - 44	29-Oct-17	10:37		AS	14	10.00	29-Oct-17	9:05	48	9:10	47	Pass	KH



WEDGE SEAM LOG

Project Name: Brady Landfill

Product Type: 60mil HDPE

SEAM LOG							AIR TEST INFORMATION						
BETWEEN PANELS	WELD DATE	TIME OF DAY		TECHNICIAN	WEDGE #	SEAM LENGTH	TEST DATE	START TIME	START PSI	FINISH TIME	FINISH PSI	TEST RESULTS	QC TECHNICIAN
		DD/MMM/YY	AM										
44 - 45	29-Oct-17	10:45		LG	30	41.00	29-Oct-17	9:12	40	9:17	40	Pass	KH
45 - 46	29-Oct-17	10:54		LG	30	60.00	29-Oct-17	9:17	39	9:22	38	Pass	KH
46 - 47	29-Oct-17	10:57		AS	14	60.00	29-Oct-17	9:25	43	9:30	43	Pass	KH
47 - 48	29-Oct-17	11:07		AS	14	60.00	29-Oct-17	9:31	42	9:36	41	Pass	KH
48 - 49	29-Oct-17	11:09		LG	30	60.00	29-Oct-17	9:40	40	9:45	39	Pass	KH
49 - 50	29-Oct-17	11:18		LG	30	60.00	29-Oct-17	9:51	51	9:56	50	Pass	KH
50 - 51	29-Oct-17	11:20		AS	14	60.00	29-Oct-17	9:59	49	10:04	49	Pass	KH
51 - 52	29-Oct-17	11:31		AS	14	60.00	29-Oct-17	10:05	49	10:10	48	Pass	KH
52 - 53	29-Oct-17	11:31		LG	30	60.00	29-Oct-17	10:12	36	10:17	35	Pass	KH
53 - 54	29-Oct-17	11:44		LG	30	60.00	29-Oct-17	10:20	39	10:25	38	Pass	KH
54 - 55	29-Oct-17	11:46		AS	14	60.00	29-Oct-17	10:25	42	10:30	42	Pass	KH
55 - 56	29-Oct-17	11:56		AS	14	60.00	29-Oct-17	10:33	48	10:38	47	Pass	KH
56 - 57	29-Oct-17	11:57		LG	30	60.00	29-Oct-17	10:40	41	10:45	40	Pass	KH
57 - 58	29-Oct-17		12:13	LG	30	60.00	29-Oct-17	10:51	40	10:56	40	Pass	KH
58 - 59	29-Oct-17		12:13	AS	14	60.00	29-Oct-17	11:01	36	11:06	36	Pass	KH
59 - 60	29-Oct-17		12:25	AS	14	58.00	29-Oct-17	11:10	39	11:15	38	Pass	KH
60 - 61	29-Oct-17		12:26	LG	30	40.00	29-Oct-17	11:17	42	11:22	41	Pass	KH
61 - 62	29-Oct-17		12:34	AS	14	21.00	29-Oct-17	11:25	50	11:30	49	Pass	KH
63 - 64	31-Oct-17	9:03		AS	14	15.00	1-Nov-17	8:32	39	8:37	38	Pass	KH
64 - 65	31-Oct-17	9:11		AS	14	40.00	1-Nov-17	8:40	42	8:45	41	Pass	KH
65 - 66	31-Oct-17	9:19		AS	14	52.00	1-Nov-17	8:45	35	8:50	34	Pass	KH
66 - 67	31-Oct-17	9:21		LG	30	31.00	1-Nov-17	8:50	36	8:55	36	Pass	KH
67 - 68	31-Oct-17	9:28		LG	30	12.00	1-Nov-17	9:01	42	9:06	42	Pass	KH
69 - 70	31-Oct-17	9:37		AS	14	28.00	1-Nov-17	9:09	45	9:14	44	Pass	KH
70 - 71	31-Oct-17	9:40		LG	30	50.00	1-Nov-17	9:15	48	9:20	47	Pass	KH
71 - 72	31-Oct-17	9:49		AS	30	75.00	1-Nov-17	9:20	41	9:25	39	Pass	KH
72 - 73	31-Oct-17	10:04		AS	14	50.00	1-Nov-17	9:25	46	9:30	45	Pass	KH
73 - 74	31-Oct-17	10:13		AS	14	30.00	1-Nov-17	9:33	40	9:38	40	Pass	KH
74 - 75	31-Oct-17	10:22		AS	14	12.00	1-Nov-17	9:39	35	9:44	34	Pass	KH
76 - 77	31-Oct-17		12:02	LG	30	21.00	1-Nov-17	9:45	47	9:50	45	Pass	KH
77 - 78	31-Oct-17		12:00	AS	14	42.00	1-Nov-17	9:52	36	9:57	35	Pass	KH
78 - 79	31-Oct-17	11:50		AS	14	58.00	1-Nov-17	10:01	42	10:06	41	Pass	KH
79 - 80	31-Oct-17	11:49		LG	30	65.00	1-Nov-17	10:09	50	10:14	49	Pass	KH
80 - 81	31-Oct-17	11:36		AS	14	64.00	1-Nov-17	10:15	51	10:20	50	Pass	KH
81 - 82	31-Oct-17	11:35		LG	30	63.00	1-Nov-17	10:22	39	10:27	39	Pass	KH
82 - 83	31-Oct-17	11:21		AS	14	63.00	1-Nov-17	10:30	39	10:35	38	Pass	KH
83 - 84	31-Oct-17	11:12		LG	30	62.00	1-Nov-17	10:37	42	10:42	41	Pass	KH
84 - 85	31-Oct-17	11:08		LG	30	62.00	1-Nov-17	10:44	46	10:49	46	Pass	KH
85 - 86	31-Oct-17	11:06		AS	14	61.00	1-Nov-17	10:50	50	10:55	49	Pass	KH
86 - 87	31-Oct-17	10:56		LG	30	60.00	1-Nov-17	10:58	49	11:03	48	Pass	KH
87 - 88	31-Oct-17	10:54		AS	14	60.00	1-Nov-17	11:05	41	11:10	41	Pass	KH



WEDGE SEAM LOG

Project Name: Brady Landfill

Product Type: 60mil HDPE

SEAM LOG							AIR TEST INFORMATION						
BETWEEN PANELS	WELD DATE	TIME OF DAY		TECHNICIAN	WEDGE #	SEAM LENGTH	TEST DATE	START TIME	START PSI	FINISH TIME	FINISH PSI	TEST RESULTS	QC TECHNICIAN
		DD/MMM/YY	AM										
88 - 89	31-Oct-17	10:44		LG	30	59.00	1-Nov-17	11:12	36	11:17	35	Pass	KH
89 - 90	31-Oct-17	10:40		AS	14	58.00	1-Nov-17	11:20	42	11:25	41	Pass	KH



WEDGE TRIAL LOG

Project Name: Brady Landfill

Product Type: 60mil HDPE

Wedge #: 14
 Date: October 25, 2017
 Sheet Type: _____

AM TEST

Time: <u>9:00</u> AM		ELONGATION	FAILURE TYPE
Technician: <u>DT</u>			
Sheet Temp: _____ °C			
Wedge Speed: <u>550</u> m/min			
Wedge Temp: <u>850</u> °C / °F			
INSIDE PEEL	115	200%+	F.T.B.
	117	200%+	F.T.B.
	115	200%+	F.T.B.
OUTSIDE PEEL	119	200%+	F.T.B.
	121	200%+	F.T.B.
	123	200%+	F.T.B.
SHEAR PEEL	168	200%+	F.T.B.
	171	200%+	F.T.B.
	164	200%+	F.T.B.

PM TEST

Time: <u>1:25</u> PM		ELONGATION	FAILURE TYPE
Technician: <u>DT</u>			
Sheet Temp: _____ °C			
Wedge Speed: <u>550</u> m/min			
Wedge Temp: <u>850</u> °C / °F			
INSIDE PEEL	120	200%+	F.T.B.
	122	200%+	F.T.B.
	117	200%+	F.T.B.
OUTSIDE PEEL	125	200%+	F.T.B.
	127	200%+	F.T.B.
	122	200%+	F.T.B.
SHEAR PEEL	170	200%+	F.T.B.
	173	200%+	F.T.B.
	168	200%+	F.T.B.

NOTES:

Wedge #: 27
 Date: October 25, 2017
 Sheet Type: _____

AM TEST

Time: <u>9:05</u> AM		ELONGATION	FAILURE TYPE
Technician: <u>AS</u>			
Sheet Temp: _____ °C			
Wedge Speed: <u>600</u> m/min			
Wedge Temp: <u>850</u> °C / °F			
INSIDE PEEL	130	200%+	F.T.B.
	131	200%+	F.T.B.
	126	200%+	F.T.B.
OUTSIDE PEEL	120	200%+	F.T.B.
	125	200%+	F.T.B.
	127	200%+	F.T.B.
SHEAR PEEL	174	200%+	F.T.B.
	171	200%+	F.T.B.
	168	200%+	F.T.B.

PM TEST

Time: <u>1:23</u> PM		ELONGATION	FAILURE TYPE
Technician: <u>AS</u>			
Sheet Temp: _____ °C			
Wedge Speed: <u>600</u> m/min			
Wedge Temp: <u>850</u> °C / °F			
INSIDE PEEL	129	200%+	F.T.B.
	129	200%+	F.T.B.
	125	200%+	F.T.B.
OUTSIDE PEEL	125	200%+	F.T.B.
	130	200%+	F.T.B.
	126	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	170	200%+	F.T.B.
	166	200%+	F.T.B.

NOTES:

Wedge #: 30
 Date: October 25, 2017
 Sheet Type: _____

AM TEST

Time: <u>8:55</u> AM		ELONGATION	FAILURE TYPE
Technician: <u>LG</u>			
Sheet Temp: _____ °C			
Wedge Speed: <u>550</u> m/min			
Wedge Temp: <u>850</u> °C / °F			
INSIDE PEEL	120	200%+	F.T.B.
	121	200%+	F.T.B.
	116	200%+	F.T.B.
OUTSIDE PEEL	125	200%+	F.T.B.
	122	200%+	F.T.B.
	126	200%+	F.T.B.
SHEAR PEEL	167	200%+	F.T.B.
	163	200%+	F.T.B.

PM TEST

Time: <u>1:25</u> PM		ELONGATION	FAILURE TYPE
Technician: <u>LG</u>			
Sheet Temp: _____ °C			
Wedge Speed: <u>550</u> m/min			
Wedge Temp: <u>850</u> °C / °F			
INSIDE PEEL	118	200%+	F.T.B.
	125	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL	128	200%+	F.T.B.
	126	200%+	F.T.B.
	129	200%+	F.T.B.
SHEAR PEEL	172	200%+	F.T.B.
	170	200%+	F.T.B.

NOTES:



WEDGE TRIAL LOG

Wedge #: 14
 Date: October 29, 2017
 Sheet Type: _____

AM TEST

Time:	9:00 AM	ELONGATION	FAILURE TYPE
Technician:	AS		
Sheet Temp:	_____ °C		
Wedge Speed:	550 m/min		
Wedge Temp:	850 °C / °F		
INSIDE PEEL	125	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL	128	200%+	F.T.B.
	120	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	171	200%+	F.T.B.

PM TEST

Time:	_____ PM	ELONGATION	FAILURE TYPE
Technician:	_____		
Sheet Temp:	_____ °C		
Wedge Speed:	_____ m/min		
Wedge Temp:	_____ °C / °F		
INSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
OUTSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
SHEAR PEEL		200%+	F.T.B.
		200%+	F.T.B.

NOTES:

Wedge #: 30
 Date: October 29, 2017
 Sheet Type: _____

AM TEST

Time:	9:02 AM	ELONGATION	FAILURE TYPE
Technician:	LG		
Sheet Temp:	_____ °C		
Wedge Speed:	550 m/min		
Wedge Temp:	850 °C / °F		
INSIDE PEEL	118	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL	128	200%+	F.T.B.
	119	200%+	F.T.B.
SHEAR PEEL	170	200%+	F.T.B.
	166	200%+	F.T.B.

PM TEST

Time:	_____ PM	ELONGATION	FAILURE TYPE
Technician:	_____		
Sheet Temp:	_____ °C		
Wedge Speed:	_____ m/min		
Wedge Temp:	_____ °C / °F		
INSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
OUTSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
SHEAR PEEL		200%+	F.T.B.
		200%+	F.T.B.

NOTES:

Wedge #: 14
 Date: October 31, 2017
 Sheet Type: _____

AM TEST

Time:	8:25 AM	ELONGATION	FAILURE TYPE
Technician:	AS		
Sheet Temp:	_____ °C		
Wedge Speed:	550 m/min		
Wedge Temp:	850 °C / °F		
INSIDE PEEL	115	200%+	F.T.B.
	125	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL	128	200%+	F.T.B.
	129	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	168	200%+	F.T.B.

PM TEST

Time:	_____ PM	ELONGATION	FAILURE TYPE
Technician:	_____		
Sheet Temp:	_____ °C		
Wedge Speed:	_____ m/min		
Wedge Temp:	_____ °C / °F		
INSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
OUTSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
SHEAR PEEL		200%+	F.T.B.
		200%+	F.T.B.

NOTES:



WEDGE TRIAL LOG

Wedge #: 30
 Date: October 31, 2017
 Sheet Type: _____

AM TEST

Time: <u>8:20</u> AM	ELONGATION	FAILURE TYPE	
Technician: <u>LG</u>			
Sheet Temp: _____ °C			
Wedge Speed: <u>550</u> m/min			
Wedge Temp: <u>850</u> °C / °F			
INSIDE PEEL	128	200%+	F.T.B.
	120	200%+	F.T.B.
	127	200%+	F.T.B.
OUTSIDE PEEL	131	200%+	F.T.B.
	125	200%+	F.T.B.
	127	200%+	F.T.B.
SHEAR PEEL	174	200%+	F.T.B.
	171	200%+	F.T.B.

PM TEST

Time: _____ PM	ELONGATION	FAILURE TYPE
Technician: _____		
Sheet Temp: _____ °C		
Wedge Speed: _____ m/min		
Wedge Temp: _____ °C / °F		
INSIDE PEEL	200%+	F.T.B.
	200%+	F.T.B.
	200%+	F.T.B.
OUTSIDE PEEL	200%+	F.T.B.
	200%+	F.T.B.
	200%+	F.T.B.
SHEAR PEEL	200%+	F.T.B.
	200%+	F.T.B.

NOTES:



EXTRUDER TRIAL LOG

Project Name: Brady Landfill

Product Type: 60mil HDPE

Extruder#: 14
 Date: October 25, 2017
 Sheet Type: _____

AM TEST

Time: <u>9:25</u> AM			
Technician: <u>GS</u>			
Sheet Temp: _____ °C			
Barrel/Air Temp: <u>440/450</u> °C / °F			
		ELONGATION	FAILURE TYPE
INSIDE PEEL	118	200%+	F.T.B.
	120	200%+	F.T.B.
	116	200%+	F.T.B.
SHEAR PEEL	171	200%+	F.T.B.
	173	200%+	F.T.B.

PM TEST

Time: <u>1:20</u> PM			
Technician: <u>GS</u>			
Sheet Temp: _____ °C			
Barrel/Air Temp: <u>440/450</u> °C / °F			
		ELONGATION	FAILURE TYPE
INSIDE PEEL	120	200%+	F.T.B.
	115	200%+	F.T.B.
	119	200%+	F.T.B.
SHEAR PEEL	169	200%+	F.T.B.
	172	200%+	F.T.B.

NOTES:

Extruder#: 14
 Date: October 27, 2017
 Sheet Type: _____

AM TEST

Time: <u>9:21</u> AM			
Technician: <u>GS</u>			
Sheet Temp: _____ °C			
Barrel/Air Temp: <u>440/450</u> °C / °F			
		ELONGATION	FAILURE TYPE
INSIDE PEEL	112	200%+	F.T.B.
	110	200%+	F.T.B.
	118	200%+	F.T.B.
SHEAR PEEL	168	200%+	F.T.B.
	169	200%+	F.T.B.

PM TEST

Time: <u>1:35</u> PM			
Technician: <u>GS</u>			
Sheet Temp: _____ °C			
Barrel/Air Temp: <u>440/450</u> °C / °F			
		ELONGATION	FAILURE TYPE
INSIDE PEEL	119	200%+	F.T.B.
	117	200%+	F.T.B.
	120	200%+	F.T.B.
SHEAR PEEL	175	200%+	F.T.B.
	168	200%+	F.T.B.

NOTES:

Extruder#: 14
 Date: October 29, 2017
 Sheet Type: _____

AM TEST

Time: <u>8:45</u> AM			
Technician: <u>GS</u>			
Sheet Temp: _____ °C			
Barrel/Air Temp: <u>440/450</u> °C / °F			
		ELONGATION	FAILURE TYPE
INSIDE PEEL	121	200%+	F.T.B.
	118	200%+	F.T.B.
	119	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	169	200%+	F.T.B.

PM TEST

Time: <u>1:45</u> PM			
Technician: <u>GS</u>			
Sheet Temp: _____ °C			
Barrel/Air Temp: <u>440/450</u> °C / °F			
		ELONGATION	FAILURE TYPE
INSIDE PEEL	110	200%+	F.T.B.
	119	200%+	F.T.B.
	115	200%+	F.T.B.
SHEAR PEEL	172	200%+	F.T.B.
	170	200%+	F.T.B.

NOTES:



EXTRUDER TRIAL LOG

Extruder#: 14
 Date: October 31, 2017
 Sheet Type: _____

AM TEST

Time:	<u>9:00</u> AM	ELONGATION	FAILURE TYPE
Technician:	<u>GS</u>		
Sheet Temp:	<u>440/450</u> °C		
Barrel/Air Temp:	_____ °C / °F		
INSIDE PEEL	120	200%+	F.T.B.
	118	200%+	F.T.B.
	112	200%+	F.T.B.
SHEAR PEEL	166	200%+	F.T.B.
	169	200%+	F.T.B.

PM TEST

Time:	<u>12:55</u> PM	ELONGATION	FAILURE TYPE
Technician:	<u>GS</u>		
Sheet Temp:	_____ °C		
Barrel/Air Temp:	<u>440/450</u> °C / °F		
INSIDE PEEL	110	200%+	F.T.B.
	112	200%+	F.T.B.
	115	200%+	F.T.B.
SHEAR PEEL	178	200%+	F.T.B.
	175	200%+	F.T.B.

NOTES:

Extruder#: 14
 Date: November 1, 2017
 Sheet Type: _____

AM TEST

Time:	<u>8:15</u> AM	ELONGATION	FAILURE TYPE
Technician:	<u>GS</u>		
Sheet Temp:	_____ °C		
Barrel/Air Temp:	<u>440/450</u> °C / °F		
INSIDE PEEL	109	200%+	F.T.B.
	115	200%+	F.T.B.
	114	200%+	F.T.B.
SHEAR PEEL	163	200%+	F.T.B.
	166	200%+	F.T.B.

PM TEST

Time:	<u>1:00</u> PM	ELONGATION	FAILURE TYPE
Technician:	<u>GS</u>		
Sheet Temp:	_____ °C		
Barrel/Air Temp:	<u>440/450</u> °C / °F		
INSIDE PEEL	120	200%+	F.T.B.
	118	200%+	F.T.B.
	116	200%+	F.T.B.
SHEAR PEEL	174	200%+	F.T.B.
	175	200%+	F.T.B.

NOTES:



EXTRUSION DETAIL LOG

CODE LEGEND
BO -BLOCK OFF
P -PATCH
PT -PENETRATION
E -EXTRUSION BEAD
T -THREE PANEL INTERSECTION
C -CAPSTRIP
DT -DESTRUCTIVE TEST

Project Name _____ Brady Landfill _____

Product Type: _____ 60mil HDPE _____

DETAIL LETTER	DETAIL DATE	TECHNICIAN	CODE	DIMENSIONS	LOCATION	TEST DATE	TEST RESULTS	QC TECH	TEST TYPE
			SEE LEGEND			DD/MMM/YY			
R1	25-Oct-2017	GS	DT	4 x 2	P2 - P4	25-Oct-2017	Pass	KH	Vacuum Tested
R2	25-Oct-2017	GS	DT	4 x 2	P4 - P6	25-Oct-2017	Pass	KH	Vacuum Tested
R3	25-Oct-2017	GS	DT	4 x 2	P7 - P8	25-Oct-2017	Pass	KH	Vacuum Tested
R4	25-Oct-2017	GS	DT	4 x 2	P8 - P9	25-Oct-2017	Pass	KH	Vacuum Tested
R5	25-Oct-2017	GS	DT	4 x 2	P11 - P13	25-Oct-2017	Pass	KH	Vacuum Tested
R6	25-Oct-2017	GS	DT	4 x 2	P13 - P14	25-Oct-2017	Pass	KH	Vacuum Tested
R7	25-Oct-2017	GS	DT	4 x 2	P15 - P16	25-Oct-2017	Pass	KH	Vacuum Tested
R8	25-Oct-2017	GS	DT	4 x 2	P16 - P18	25-Oct-2017	Pass	KH	Vacuum Tested
R9	25-Oct-2017	GS	DT	4 x 2	P20 - P21	25-Oct-2017	Pass	KH	Vacuum Tested
R10	25-Oct-2017	GS	DT	4 x 2	P23 - P24	25-Oct-2017	Pass	KH	Vacuum Tested
R11	25-Oct-2017	GS	E	1'	P1 - P3	25-Oct-2017	Pass	KH	Vacuum Tested
R12	25-Oct-2017	GS	BO	1'	P1 - P3	25-Oct-2017	Pass	KH	Vacuum Tested
R13	25-Oct-2017	GS	E	4"	P1 - P3	25-Oct-2017	Pass	KH	Vacuum Tested
R14	25-Oct-2017	GS	E	8"	P1 - P2	25-Oct-2017	Pass	KH	Vacuum Tested
R15	25-Oct-2017	GS	E	4"	P1 - P2	25-Oct-2017	Pass	KH	Vacuum Tested
R16	25-Oct-2017	GS	E	6"	P1 - P2	25-Oct-2017	Pass	KH	Vacuum Tested
R17	25-Oct-2017	GS	P	4 x 2	P1 - P2	25-Oct-2017	Pass	KH	Vacuum Tested
R18	25-Oct-2017	GS	BO	4'	P1 - P2	25-Oct-2017	Pass	KH	Vacuum Tested
R19	25-Oct-2017	GS	E	1'	P6 - P7	25-Oct-2017	Pass	KH	Vacuum Tested
R20	25-Oct-2017	GS	P	2 x 2	P6 - P7	25-Oct-2017	Pass	KH	Vacuum Tested
R21	25-Oct-2017	GS	E	8"	P9 - P10	25-Oct-2017	Pass	KH	Vacuum Tested
R22	25-Oct-2017	GS	P	2 x 2	P19 - P21	25-Oct-2017	Pass	KH	Vacuum Tested
R23	25-Oct-2017	GS	E	6"	P21 - P23	25-Oct-2017	Pass	KH	Vacuum Tested
R24	25-Oct-2017	GS	E	6"	P23 - P24	25-Oct-2017	Pass	KH	Vacuum Tested
R25	31-Oct-2017	GS	P	3 x 3	P65 - P60	1-Nov-2017	Pass	KH	Vacuum Tested
R26	31-Oct-2017	GS	P	2 x 2	P68 - P69	1-Nov-2017	Pass	KH	Vacuum Tested
R27	31-Oct-2017	GS	P	1 x 1	P65 - P71	1-Nov-2017	Pass	KH	Vacuum Tested
R28	31-Oct-2017	GS	P	7 x 2	P78 - P73 - P24	1-Nov-2017	Pass	KH	Vacuum Tested
R29	1-Nov-2017	GS	C	Panel Length	P59 - P60	1-Nov-2017	Pass	KH	Vacuum Tested
R30	1-Nov-2017	GS	C	Panel Length	P58 - P59	1-Nov-2017	Pass	KH	Vacuum Tested
R31	1-Nov-2017	GS	C	Panel Length	P55 - P56	1-Nov-2017	Pass	KH	Vacuum Tested
R32	1-Nov-2017	GS	C	Panel Length	P54 - P55	1-Nov-2017	Pass	KH	Vacuum Tested
R33	1-Nov-2017	GS	C	Panel Length	P51 - P52	1-Nov-2017	Pass	KH	Vacuum Tested



EXTRUSION DETAIL LOG

R34	1-Nov-2017	GS	C	Panel Length	P47 - P48	1-Nov-2017	Pass	KH	Vacuum Tested
R35	1-Nov-2017	GS	C	Panel Length	P45 - P46	1-Nov-2017	Pass	KH	Vacuum Tested
R36	1-Nov-2017	GS	C	Panel Length	P43 - P44	1-Nov-2017	Pass	KH	Vacuum Tested
R37	1-Nov-2017	GS	C	Panel Length	P41 - P42	1-Nov-2017	Pass	KH	Vacuum Tested
R38	1-Nov-2017	GS	C	Panel Length	P40 - P41	1-Nov-2017	Pass	KH	Vacuum Tested
R39	1-Nov-2017	GS	C	Panel Length	P38 - P39	1-Nov-2017	Pass	KH	Vacuum Tested
R40	1-Nov-2017	GS	C	Panel Length	P37 - P38	1-Nov-2017	Pass	KH	Vacuum Tested
R41	1-Nov-2017	GS	C	Panel Length	P36 - P37	1-Nov-2017	Pass	KH	Vacuum Tested
R42	1-Nov-2017	GS	C	Panel Length	P34 - P35	1-Nov-2017	Pass	KH	Vacuum Tested
R43	1-Nov-2017	GS	C	Panel Length	P33 - P34	1-Nov-2017	Pass	KH	Vacuum Tested
R44	1-Nov-2017	GS	C	Panel Length	P27 - P28	1-Nov-2017	Pass	KH	Vacuum Tested
R45	1-Nov-2017	GS	C	Panel Length	P31 - P32	1-Nov-2017	Pass	KH	Vacuum Tested
R46	1-Nov-2017	GS	DT	3 x 1	P58 - P59	1-Nov-2017	Pass	KH	Vacuum Tested
R47	1-Nov-2017	GS	DT	3 x 1	P55 - P56	1-Nov-2017	Pass	KH	Vacuum Tested
R48	1-Nov-2017	GS	DT	3 x 1	P54 - P55	1-Nov-2017	Pass	KH	Vacuum Tested
R49	1-Nov-2017	GS	DT	3 x 1	P51 - P52	1-Nov-2017	Pass	KH	Vacuum Tested
R50	1-Nov-2017	GS	DT	3 x 1	P47 - P48	1-Nov-2017	Pass	KH	Vacuum Tested
R51	1-Nov-2017	GS	DT	3 x 1	P46 - P47	1-Nov-2017	Pass	KH	Vacuum Tested
R52	1-Nov-2017	GS	DT	3 x 1	P41 - P42	1-Nov-2017	Pass	KH	Vacuum Tested
R53	1-Nov-2017	GS	DT	3 x 1	P40 - P41	1-Nov-2017	Pass	KH	Vacuum Tested
R54	1-Nov-2017	GS	DT	3 x 1	P37 - P38	1-Nov-2017	Pass	KH	Vacuum Tested
R55	1-Nov-2017	GS	DT	3 x 1	P34 - P35	1-Nov-2017	Pass	KH	Vacuum Tested
R56	1-Nov-2017	GS	DT	3 x 1	P32 - P33	1-Nov-2017	Pass	KH	Vacuum Tested
R57	1-Nov-2017	GS	DT	3 x 1	P38 - P39	1-Nov-2017	Pass	KH	Vacuum Tested
R58	1-Nov-2017	GS	DT	3 x 1	P28 - P29	1-Nov-2017	Pass	KH	Vacuum Tested
R59	1-Nov-2017	GS	C	334'	P1 - P25 - P39	1-Nov-2017	Pass	KH	Vacuum Tested

* UNLESS OTHERWISE NOTED, ALL 3 PANEL INTERSECTIONS COME WITH VACUUM TESTED EXTRUDED T WELDS.



DESTRUCTIVE TEST LOG

Project Name: Brady Landfill

Sheet Type: 60mil HDPE

DT#: <u>1</u>			
Between Panels: <u>2 - 4</u>			
QA Monitor:	<u>KH</u>	ELONGATION	FAILURE TYPE
Date:	<u>25-Oct-17</u>		
Time:	<u>2:02</u>		
INSIDE PEEL	127	200%+	F.T.B.
	122	200%+	F.T.B.
	129	200%+	F.T.B.
	130	200%+	F.T.B.
	128	200%+	F.T.B.
OUTSIDE PEEL	130	200%+	F.T.B.
	126	200%+	F.T.B.
	128	200%+	F.T.B.
	127	200%+	F.T.B.
	129	200%+	F.T.B.
SHEAR PEEL	167	200%+	F.T.B.
	170	200%+	F.T.B.
	163	200%+	F.T.B.
	171	200%+	F.T.B.
	168	200%+	F.T.B.

DT#: <u>2</u>			
Between Panels: <u>4 - 6</u>			
QA Monitor:	<u>KH</u>	ELONGATION	FAILURE TYPE
Date:	<u>25-Oct-17</u>		
Time:	<u>2:11</u>		
INSIDE PEEL	118	200%+	F.T.B.
	125	200%+	F.T.B.
	122	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL	128	200%+	F.T.B.
	126	200%+	F.T.B.
	128	200%+	F.T.B.
	122	200%+	F.T.B.
	125	200%+	F.T.B.
SHEAR PEEL	171	200%+	F.T.B.
	165	200%+	F.T.B.
	166	200%+	F.T.B.
	170	200%+	F.T.B.
	169	200%+	F.T.B.

DT#: <u>3</u>			
Between Panels: <u>7 - 8</u>			
QA Monitor:	<u>KH</u>	ELONGATION	FAILURE TYPE
Date:	<u>25-Oct-17</u>		
Time:	<u>2:24</u>		
INSIDE PEEL	118	200%+	F.T.B.
	128	200%+	F.T.B.
	121	200%+	F.T.B.
	122	200%+	F.T.B.
	125	200%+	F.T.B.
OUTSIDE PEEL	130	200%+	F.T.B.
	126	200%+	F.T.B.
	125	200%+	F.T.B.
	130	200%+	F.T.B.
	128	200%+	F.T.B.
SHEAR PEEL	164	200%+	F.T.B.
	168	200%+	F.T.B.
	165	200%+	F.T.B.
	168	200%+	F.T.B.
	166	200%+	F.T.B.

DT#: <u>4</u>			
Between Panels: <u>8 - 9</u>			
QA Monitor:	<u>KH</u>	ELONGATION	FAILURE TYPE
Date:	<u>25-Oct-17</u>		
Time:	<u>2:34</u>		
INSIDE PEEL	125	200%+	F.T.B.
	120	200%+	F.T.B.
	124	200%+	F.T.B.
	124	200%+	F.T.B.
	122	200%+	F.T.B.
OUTSIDE PEEL	129	200%+	F.T.B.
	130	200%+	F.T.B.
	126	200%+	F.T.B.
	124	200%+	F.T.B.
	130	200%+	F.T.B.
SHEAR PEEL	176	200%+	F.T.B.
	171	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.
	169	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: <u>5</u>			
Between Panels: <u>11 - 13</u>		ELONGATION	FAILURE TYPE
QA Monitor: <u>KH</u>			
Date: <u>25-Oct-17</u>			
Time: <u>2:42</u>			
INSIDE PEEL	115	200%+	F.T.B.
	121	200%+	F.T.B.
	119	200%+	F.T.B.
	120	200%+	F.T.B.
	118	200%+	F.T.B.
OUTSIDE PEEL	125	200%+	F.T.B.
	119	200%+	F.T.B.
	122	200%+	F.T.B.
	126	200%+	F.T.B.
	121	200%+	F.T.B.
SHEAR PEEL	164	200%+	F.T.B.
	170	200%+	F.T.B.
	165	200%+	F.T.B.
	169	200%+	F.T.B.
	171	200%+	F.T.B.

DT#: <u>6</u>			
Between Panels: <u>13 - 14</u>		ELONGATION	FAILURE TYPE
QA Monitor: <u>KH</u>			
Date: <u>25-Oct-17</u>			
Time: <u>2:55</u>			
INSIDE PEEL	130	200%+	F.T.B.
	122	200%+	F.T.B.
	121	200%+	F.T.B.
	128	200%+	F.T.B.
	125	200%+	F.T.B.
OUTSIDE PEEL	126	200%+	F.T.B.
	120	200%+	F.T.B.
	125	200%+	F.T.B.
	130	200%+	F.T.B.
	126	200%+	F.T.B.
SHEAR PEEL	167	200%+	F.T.B.
	168	200%+	F.T.B.
	175	200%+	F.T.B.
	172	200%+	F.T.B.
	170	200%+	F.T.B.

DT#: <u>7</u>			
Between Panels: <u>15 - 16</u>		ELONGATION	FAILURE TYPE
QA Monitor: <u>KH</u>			
Date: <u>25-Oct-17</u>			
Time: <u>3:08</u>			
INSIDE PEEL	118	200%+	F.T.B.
	121	200%+	F.T.B.
	117	200%+	F.T.B.
	115	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL	126	200%+	F.T.B.
	120	200%+	F.T.B.
	119	200%+	F.T.B.
	122	200%+	F.T.B.
	125	200%+	F.T.B.
SHEAR PEEL	173	200%+	F.T.B.
	171	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.
	175	200%+	F.T.B.

DT#: <u>8</u>			
Between Panels: <u>16 - 18</u>		ELONGATION	FAILURE TYPE
QA Monitor: <u>KH</u>			
Date: <u>25-Oct-17</u>			
Time: <u>3:22</u>			
INSIDE PEEL	124	200%+	F.T.B.
	126	200%+	F.T.B.
	124	200%+	F.T.B.
	120	200%+	F.T.B.
	122	200%+	F.T.B.
OUTSIDE PEEL	129	200%+	F.T.B.
	122	200%+	F.T.B.
	127	200%+	F.T.B.
	125	200%+	F.T.B.
	130	200%+	F.T.B.
SHEAR PEEL	175	200%+	F.T.B.
	168	200%+	F.T.B.
	170	200%+	F.T.B.
	165	200%+	F.T.B.
	167	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: 9			
Between Panels: 20 - 21			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 25-Oct-17			
Time: 3:38			
INSIDE PEEL	115	200%+	F.T.B.
	118	200%+	F.T.B.
	121	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL	120	200%+	F.T.B.
	120	200%+	F.T.B.
	124	200%+	F.T.B.
	119	200%+	F.T.B.
SHEAR PEEL	124	200%+	F.T.B.
	172	200%+	F.T.B.
	176	200%+	F.T.B.
	170	200%+	F.T.B.
	166	200%+	F.T.B.
	172	200%+	F.T.B.

DT#: 10			
Between Panels: 23 - 24			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 25-Oct-17			
Time: 3:50			
INSIDE PEEL	126	200%+	F.T.B.
	128	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
	129	200%+	F.T.B.
OUTSIDE PEEL	125	200%+	F.T.B.
	118	200%+	F.T.B.
	120	200%+	F.T.B.
	130	200%+	F.T.B.
	119	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	171	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.
	168	200%+	F.T.B.

DT#: 11			
Between Panels: 37 - 1			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 12:45			
INSIDE PEEL	129	200%+	F.T.B.
	124	200%+	F.T.B.
	128	200%+	F.T.B.
	125	200%+	F.T.B.
	130	200%+	F.T.B.
OUTSIDE PEEL	120	200%+	F.T.B.
	124	200%+	F.T.B.
	122	200%+	F.T.B.
	124	200%+	F.T.B.
	125	200%+	F.T.B.
SHEAR PEEL	176	200%+	F.T.B.
	172	200%+	F.T.B.
	170	200%+	F.T.B.
	166	200%+	F.T.B.
	168	200%+	F.T.B.

DT#: 12			
Between Panels: 25 - 26			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 1:00			
INSIDE PEEL	131	200%+	F.T.B.
	130	200%+	F.T.B.
	127	200%+	F.T.B.
	130	200%+	F.T.B.
	129	200%+	F.T.B.
OUTSIDE PEEL	122	200%+	F.T.B.
	126	200%+	F.T.B.
	119	200%+	F.T.B.
	120	200%+	F.T.B.
	128	200%+	F.T.B.
SHEAR PEEL	168	200%+	F.T.B.
	171	200%+	F.T.B.
	169	200%+	F.T.B.
	165	200%+	F.T.B.
	170	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: 13			
Between Panels: 29 - 30			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 1:12			
INSIDE PEEL	125	200%+	F.T.B.
	127	200%+	F.T.B.
	125	200%+	F.T.B.
	129	200%+	F.T.B.
	130	200%+	F.T.B.
OUTSIDE PEEL	120	200%+	F.T.B.
	122	200%+	F.T.B.
	119	200%+	F.T.B.
	120	200%+	F.T.B.
	125	200%+	F.T.B.
SHEAR PEEL	174	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.
	165	200%+	F.T.B.
	171	200%+	F.T.B.

DT#: 14			
Between Panels: 33 - 34			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 1:27			
INSIDE PEEL	125	200%+	F.T.B.
	130	200%+	F.T.B.
	126	200%+	F.T.B.
	131	200%+	F.T.B.
	128	200%+	F.T.B.
	128	200%+	F.T.B.
OUTSIDE PEEL	131	200%+	F.T.B.
	127	200%+	F.T.B.
	127	200%+	F.T.B.
	128	200%+	F.T.B.
	130	200%+	F.T.B.
	130	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	169	200%+	F.T.B.
	164	200%+	F.T.B.
	170	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.

DT#: 15			
Between Panels: 37 - 38			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 1:42			
INSIDE PEEL	115	200%+	F.T.B.
	118	200%+	F.T.B.
	117	200%+	F.T.B.
	120	200%+	F.T.B.
	122	200%+	F.T.B.
OUTSIDE PEEL	120	200%+	F.T.B.
	118	200%+	F.T.B.
	121	200%+	F.T.B.
	124	200%+	F.T.B.
	117	200%+	F.T.B.
SHEAR PEEL	174	200%+	F.T.B.
	168	200%+	F.T.B.
	170	200%+	F.T.B.
	165	200%+	F.T.B.
	169	200%+	F.T.B.

DT#: 16			
Between Panels: 46 - 47			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 2:00			
INSIDE PEEL	125	200%+	F.T.B.
	129	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
	126	200%+	F.T.B.
	126	200%+	F.T.B.
OUTSIDE PEEL	130	200%+	F.T.B.
	129	200%+	F.T.B.
	132	200%+	F.T.B.
	128	200%+	F.T.B.
	131	200%+	F.T.B.
	131	200%+	F.T.B.
SHEAR PEEL	171	200%+	F.T.B.
	169	200%+	F.T.B.
	165	200%+	F.T.B.
	170	200%+	F.T.B.
	170	200%+	F.T.B.
	172	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: 17			
Between Panels: 50 - 51			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 2:10			
INSIDE PEEL	128	200%+	F.T.B.
	130	200%+	F.T.B.
	126	200%+	F.T.B.
	130	200%+	F.T.B.
	125	200%+	F.T.B.
OUTSIDE PEEL	131	200%+	F.T.B.
	127	200%+	F.T.B.
	128	200%+	F.T.B.
	126	200%+	F.T.B.
	129	200%+	F.T.B.
SHEAR PEEL	168	200%+	F.T.B.
	171	200%+	F.T.B.
	170	200%+	F.T.B.
	164	200%+	F.T.B.
	170	200%+	F.T.B.

DT#: 18			
Between Panels: 54 - 55			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 2:25			
INSIDE PEEL	118	200%+	F.T.B.
	119	200%+	F.T.B.
	118	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL	122	200%+	F.T.B.
	120	200%+	F.T.B.
	117	200%+	F.T.B.
	124	200%+	F.T.B.
	119	200%+	F.T.B.
SHEAR PEEL	175	200%+	F.T.B.
	171	200%+	F.T.B.
	172	200%+	F.T.B.
	168	200%+	F.T.B.
	170	200%+	F.T.B.

DT#: 19			
Between Panels: 58 - 59			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 2:45			
INSIDE PEEL	119	200%+	F.T.B.
	122	200%+	F.T.B.
	125	200%+	F.T.B.
	126	200%+	F.T.B.
	124	200%+	F.T.B.
OUTSIDE PEEL	124	200%+	F.T.B.
	116	200%+	F.T.B.
	119	200%+	F.T.B.
	120	200%+	F.T.B.
	122	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	167	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.
	169	200%+	F.T.B.

DT#: 20			
Between Panels: 64 - 65			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 2:57			
INSIDE PEEL	129	200%+	F.T.B.
	131	200%+	F.T.B.
	125	200%+	F.T.B.
	129	200%+	F.T.B.
	127	200%+	F.T.B.
OUTSIDE PEEL	126	200%+	F.T.B.
	129	200%+	F.T.B.
	130	200%+	F.T.B.
	130	200%+	F.T.B.
	128	200%+	F.T.B.
SHEAR PEEL	162	200%+	F.T.B.
	169	200%+	F.T.B.
	170	200%+	F.T.B.
	165	200%+	F.T.B.
	166	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: 21			
Between Panels: 72 - 73			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 3:12			
INSIDE PEEL	118	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
	125	200%+	F.T.B.
	119	200%+	F.T.B.
OUTSIDE PEEL	126	200%+	F.T.B.
	122	200%+	F.T.B.
	125	200%+	F.T.B.
	120	200%+	F.T.B.
	128	200%+	F.T.B.
SHEAR PEEL	175	200%+	F.T.B.
	171	200%+	F.T.B.
	170	200%+	F.T.B.
	175	200%+	F.T.B.
	168	200%+	F.T.B.

DT#: 22			
Between Panels: 80 - 81			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 3:28			
INSIDE PEEL	131	200%+	F.T.B.
	126	200%+	F.T.B.
	128	200%+	F.T.B.
	130	200%+	F.T.B.
	125	200%+	F.T.B.
OUTSIDE PEEL	128	200%+	F.T.B.
	125	200%+	F.T.B.
	130	200%+	F.T.B.
	131	200%+	F.T.B.
	127	200%+	F.T.B.
SHEAR PEEL	175	200%+	F.T.B.
	176	200%+	F.T.B.
	171	200%+	F.T.B.
	174	200%+	F.T.B.
	175	200%+	F.T.B.

DT#: 23			
Between Panels: 88 - 89			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 3:40			
INSIDE PEEL	120	200%+	F.T.B.
	119	200%+	F.T.B.
	124	200%+	F.T.B.
	125	200%+	F.T.B.
	118	200%+	F.T.B.
OUTSIDE PEEL	128	200%+	F.T.B.
	121	200%+	F.T.B.
	124	200%+	F.T.B.
	120	200%+	F.T.B.
	119	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	169	200%+	F.T.B.
	170	200%+	F.T.B.
	171	200%+	F.T.B.
	168	200%+	F.T.B.

DT#: 24			
Between Panels: 58 - 59			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 3:54			
INSIDE PEEL	130	200%+	F.T.B.
	129	200%+	F.T.B.
	131	200%+	F.T.B.
	130	200%+	F.T.B.
	127	200%+	F.T.B.
OUTSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
SHEAR PEEL	170	200%+	F.T.B.
	166	200%+	F.T.B.
	165	200%+	F.T.B.
	167	200%+	F.T.B.
	171	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: 25			
Between Panels: 55 - 56			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 4:10			
132			
INSIDE PEEL	128	200%+	F.T.B.
	124	200%+	F.T.B.
	128	200%+	F.T.B.
	122	200%+	F.T.B.
	130	200%+	F.T.B.
SHEAR PEEL	175	200%+	F.T.B.
	171	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.
	172	200%+	F.T.B.

DT#: 26			
Between Panels: 54 - 55			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 4:25			
132			
INSIDE PEEL	120	200%+	F.T.B.
	128	200%+	F.T.B.
	127	200%+	F.T.B.
	122	200%+	F.T.B.
	125	200%+	F.T.B.
	125	200%+	F.T.B.
SHEAR PEEL	170	200%+	F.T.B.
	165	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.
	171	200%+	F.T.B.

DT#: 27			
Between Panels: 51 - 52			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 4:35			
132			
INSIDE PEEL	132	200%+	F.T.B.
	130	200%+	F.T.B.
	129	200%+	F.T.B.
	131	200%+	F.T.B.
	126	200%+	F.T.B.
OUTSIDE PEEL	125	200%+	F.T.B.
	127	200%+	F.T.B.
	121	200%+	F.T.B.
	120	200%+	F.T.B.
SHEAR PEEL	124	200%+	F.T.B.
	162	200%+	F.T.B.
	168	200%+	F.T.B.
	170	200%+	F.T.B.
	164	200%+	F.T.B.
	166	200%+	F.T.B.

DT#: 28			
Between Panels: 47 - 48			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 4:52			
132			
INSIDE PEEL	119	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
	121	200%+	F.T.B.
	120	200%+	F.T.B.
	120	200%+	F.T.B.
OUTSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
SHEAR PEEL	174	200%+	F.T.B.
	170	200%+	F.T.B.
	169	200%+	F.T.B.
	169	200%+	F.T.B.
	170	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: 29			
Between Panels: 46 - 47			
QA Monitor:	KH	ELONGATIO	FAILURE TYPE
Date:	1-Nov-17		
Time:	5:00		
INSIDE PEEL	118	200%+	F.T.B.
	121	200%+	F.T.B.
	120	200%+	F.T.B.
	120	200%+	F.T.B.
	122	200%+	F.T.B.
OUTSIDE PEEL	126	200%+	F.T.B.
	122	200%+	F.T.B.
	123	200%+	F.T.B.
	125	200%+	F.T.B.
	130	200%+	F.T.B.
SHEAR PEEL	175	200%+	F.T.B.
	172	200%+	F.T.B.
	176	200%+	F.T.B.
	169	200%+	F.T.B.
	168	200%+	F.T.B.

DT#: 30			
Between Panels: 41 - 42			
QA Monitor:	KH	ELONGATIO	FAILURE TYPE
Date:	1-Nov-17		
Time:	5:10		
INSIDE PEEL	128	200%+	F.T.B.
	125	200%+	F.T.B.
	130	200%+	F.T.B.
	131	200%+	F.T.B.
	129	200%+	F.T.B.
OUTSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
SHEAR PEEL	168	200%+	F.T.B.
	170	200%+	F.T.B.
	170	200%+	F.T.B.
	169	200%+	F.T.B.
	170	200%+	F.T.B.

DT#: 31			
Between Panels: 40 - 41			
QA Monitor:	KH	ELONGATION	FAILURE TYPE
Date:	1-Nov-17		
Time:	5:22		
INSIDE PEEL	120	200%+	F.T.B.
	125	200%+	F.T.B.
	121	200%+	F.T.B.
	125	200%+	F.T.B.
	119	200%+	F.T.B.
OUTSIDE PEEL	115	200%+	F.T.B.
	119	200%+	F.T.B.
	120	200%+	F.T.B.
	126	200%+	F.T.B.
	121	200%+	F.T.B.
SHEAR PEEL	169	200%+	F.T.B.
	168	200%+	F.T.B.
	170	200%+	F.T.B.
	169	200%+	F.T.B.
	171	200%+	F.T.B.

DT#: 32			
Between Panels: 37 - 38			
QA Monitor:	KH	ELONGATION	FAILURE TYPE
Date:	1-Nov-17		
Time:	5:35		
INSIDE PEEL	125	200%+	F.T.B.
	119	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
	118	200%+	F.T.B.
OUTSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
SHEAR PEEL	174	200%+	F.T.B.
	165	200%+	F.T.B.
	170	200%+	F.T.B.
	174	200%+	F.T.B.
	171	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: 33			
Between Panels: 34 - 35			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 5:50			
INSIDE PEEL	115	200%+	F.T.B.
	119	200%+	F.T.B.
	118	200%+	F.T.B.
	120	200%+	F.T.B.
	121	200%+	F.T.B.
SHEAR PEEL	166	200%+	F.T.B.
	168	200%+	F.T.B.
	165	200%+	F.T.B.
	170	200%+	F.T.B.
	171	200%+	F.T.B.

DT#: 34			
Between Panels: 32 - 33			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 6:00			
INSIDE PEEL	128	200%+	F.T.B.
	127	200%+	F.T.B.
	128	200%+	F.T.B.
	119	200%+	F.T.B.
	124	200%+	F.T.B.
SHEAR PEEL	171	200%+	F.T.B.
	168	200%+	F.T.B.
	170	200%+	F.T.B.
	165	200%+	F.T.B.
	172	200%+	F.T.B.

DT#: 35			
Between Panels: 38 - 39			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 6:10			
INSIDE PEEL	118	200%+	F.T.B.
	121	200%+	F.T.B.
	120	200%+	F.T.B.
	120	200%+	F.T.B.
	119	200%+	F.T.B.
OUTSIDE PEEL		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
		200%+	F.T.B.
SHEAR PEEL	175	200%+	F.T.B.
	170	200%+	F.T.B.
	168	200%+	F.T.B.
	169	200%+	F.T.B.
	171	200%+	F.T.B.

DT#: 36			
Between Panels: 28 - 29			
QA Monitor: KH		ELONGATION	FAILURE TYPE
Date: 1-Nov-17			
Time: 6:20			
INSIDE PEEL	122	200%+	F.T.B.
	120	200%+	F.T.B.
	125	200%+	F.T.B.
	121	200%+	F.T.B.
	126	200%+	F.T.B.
OUTSIDE PEEL	129	200%+	F.T.B.
	125	200%+	F.T.B.
	126	200%+	F.T.B.
	124	200%+	F.T.B.
	120	200%+	F.T.B.
SHEAR PEEL	171	200%+	F.T.B.
	168	200%+	F.T.B.
	170	200%+	F.T.B.
	169	200%+	F.T.B.
	172	200%+	F.T.B.



DESTRUCTIVE TEST LOG

DT#: 37			
Between Panels: 72 - 73		ELONGATI	FAILURE TY
QA Monitor: KH			
Date: 2-Nov-17			
Time: 12:50			
INSIDE PEEL	125	200%+	F.T.B.
	120	200%+	F.T.B.
	126	200%+	F.T.B.
	122	200%+	F.T.B.
	130	200%+	F.T.B.
OUTSIDE PEEL	115	200%+	F.T.B.
	118	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
	119	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	172	200%+	F.T.B.
	168	200%+	F.T.B.
	169	200%+	F.T.B.
	165	200%+	F.T.B.

DT#: 38			
Between Panels: 51 - 52		ELONGATI	FAILURE TY
QA Monitor: KH			
Date: 2-Nov-17			
Time: 1:15			
INSIDE PEEL	126	200%+	F.T.B.
	119	200%+	F.T.B.
	124	200%+	F.T.B.
	125	200%+	F.T.B.
	128	200%+	F.T.B.
	130	200%+	F.T.B.
OUTSIDE PEEL	128	200%+	F.T.B.
	131	200%+	F.T.B.
	128	200%+	F.T.B.
	125	200%+	F.T.B.
	164	200%+	F.T.B.
	172	200%+	F.T.B.
SHEAR PEEL	168	200%+	F.T.B.
	167	200%+	F.T.B.
	170	200%+	F.T.B.
	170	200%+	F.T.B.

DT#: 39			
Between Panels: 46 - 47		ELONGATI	FAILURE TY
QA Monitor: KH			
Date: 2-Nov-17			
Time: 1:34			
INSIDE PEEL	121	200%+	F.T.B.
	120	200%+	F.T.B.
	126	200%+	F.T.B.
	125	200%+	F.T.B.
	130	200%+	F.T.B.
OUTSIDE PEEL	120	200%+	F.T.B.
	124	200%+	F.T.B.
	118	200%+	F.T.B.
	120	200%+	F.T.B.
	121	200%+	F.T.B.
SHEAR PEEL	165	200%+	F.T.B.
	171	200%+	F.T.B.
	164	200%+	F.T.B.
	165	200%+	F.T.B.
	169	200%+	F.T.B.

DT#: 40			
Between Panels: 40 - 41		ELONGATI	FAILURE TY
QA Monitor: KH			
Date: 2-Nov-17			
Time: 1:55			
INSIDE PEEL	124	200%+	F.T.B.
	129	200%+	F.T.B.
	122	200%+	F.T.B.
	120	200%+	F.T.B.
	119	200%+	F.T.B.
	118	200%+	F.T.B.
OUTSIDE PEEL	125	200%+	F.T.B.
	130	200%+	F.T.B.
	124	200%+	F.T.B.
	126	200%+	F.T.B.
	174	200%+	F.T.B.
	176	200%+	F.T.B.
SHEAR PEEL	170	200%+	F.T.B.
	168	200%+	F.T.B.
	169	200%+	F.T.B.
	169	200%+	F.T.B.



TITAN
ENVIRONMENTAL CONTAINMENT
BUTT SEAM LOG

Project Name: Brady Landfill

BUTT SEAM LOG									AIR TEST INFORMATION				
BUTT SEAM LETTER	BUTT SEAM		WELD DATE	TIME OF DAY		TECHNICIAN	WEDGE #	SEAM LENGTH	TEST DATE	START PSI	FINISH PSI	TEST RESULTS	QC TECHNICIAN
	Seam Starts Between Panels	Finishes Between Panels	DD/MMM/YY	AM	PM			FEET					
	1 - 39	1 - 25	25-Oct-17		5:47	LG	30	334	25-Oct-17	46	45	Pass	KH
	42 - 43	19 - 58	29-Oct-17		12:45	LG	30	385	31-Oct-17	51	50	Pass	KH
	90 - 24	79 - 24	31-Oct-17		12:20	LG	30	256	1-Nov-17	42	41	Pass	KH
	75 - 76	72 - 78	31-Oct-17		12:25	AS	14	102	1-Nov-17	39	39	Pass	KH
	71 - 24	69 - 21	31-Oct-17		12:38	AS	14	66	1-Nov-17	40	39	Pass	KH
	68 - 69	72 - 65	31-Oct-17		12:40	LG	30	97	1-Nov-17	48	47	Pass	KH
	68 - 19	62 - 63	31-Oct-17		12:50	AS	14	141	1-Nov-17	45	45	Pass	KH