

APPENDIX F

GEOMEMBRANE QUALITY ASSURANCE DATA

Table F-1

**Geomembrane Panel Deployment
Town of Moreau, N.Y.**

Panel No.	[1] Roll No.	Date Deployed	[2] Panel Size L x W	Comments
1	8925	10/13/98	197x22	
2	8925	10/13/98	205x22	
3	8925	10/13/98	215x22	
4	8925	10/13/98	147x22	
5	8931	10/13/98	179x22	
6	8931	10/13/98	172x22	
7	8931	10/13/98	117x22	GV-42
8	8931	10/13/98	32x22	GV-41
9	8931	10/13/98	238x22	
10	8927	10/13/98	246x22	GV-53
11	8927	10/13/98	260x22	
12	8927	10/13/98	239x22	
13	8926	10/13/98	264x22	
14	8926	10/13/98	267x22	GV-40
15	8926	10/13/98	26x22	
16	8926	10/13/98	195x22	
17	8924	10/13/98	84x22	
18	8924	10/13/98	292x22	
19	8924	10/13/98	295x22	GV-52
20	8924	10/13/98	79x22	
21	8932	10/13/98	223x22	
22	8932	10/13/98	305x22	
23	8933	10/16/98	321x22	GV-39;60
24	8933	10/16/98	325x22	
25	8933	10/16/98	104x22	
26	8117	10/16/98	230x22	
27	8117	10/16/98	339x22	
28	8125	10/16/98	356x22	GV-51
29	8125	10/16/98	362x22	
30	8129	10/16/98	394x22	
31	8129	10/16/98	366x22	
32	8118	10/16/98	44x22	
33	8118	10/16/98	258x22	
34	8118	10/16/98	169x22	GV-38
35	8118	10/16/98	263x22	
36	8119	10/16/98	159x22	
37	8119	10/16/98	435x22	GV-50
38	9179	10/17/98	447x22	
39	9179	10/17/98	290x22	
40	9185	10/17/98	163x22	
41	9185	10/17/98	464x22	GV-59
42	9189	10/17/98	432x22	
43	9189	10/17/98	36x22	

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**Geomembrane Panel Deployment
Town of Moreau, N.Y.**

Panel No.	[1] Roll No.	Date Deployed	[2] Panel Size L x W	Comments
44	9189	10/17/98	277x22	
45	9192	10/17/98	196x22	GV-37
46	9192	10/17/98	473x22	
47	9184	10/17/98	481x22	GV-49
48	9187	10/17/98	486x22	
49	9187	10/17/98	262x22	
50	9184	10/17/98	232x22	
51	9186	10/18/98	505x22	GV-58
52	9186	10/18/98	246x22	
53	9188	10/18/98	262x22	
54	9188	10/18/98	479x22	GV-36
55	8125	10/20/98	38x22	
56	9168	10/20/98	517x22	GV-48
57	9168	10/20/98	232x22	
58	9183	10/20/98	306x22	
59	9183	10/20/98	439x22	
60	9190	10/21/98	357x22	GV-57
61	9190	10/21/98	389x22	
62	9191	10/21/98	368x22	
63	9191	10/21/98	376x22	
64	9190	10/21/98	14x22	
65	9177	10/22/98	360x22	
66	9177	10/22/98	345x22	GV-72
67	9181	10/22/98	349x22	
68	9181	10/22/98	351x22	GV-66
69	9178	10/22/98	357x22	
70	9178	10/22/98	364x22	GV-71
71	9180	10/22/98	368x22	
72	9180	10/22/98	357x22	
73	9177	10/22/98	32x22	
74	9182	10/22/98	414x22	GV-55
75	9182	10/22/98	235x22	
76	9178	10/22/98	25x22	
77	9181	10/22/98	48x22	
78	8940	10/22/98	438x22	GV-65
79	8940	10/23/98	290x22	
80	8944	10/23/98	155x22	
81	8944	10/23/98	447x22	GV-70
82	8944	10/23/98	129x22	
83	8936	10/23/98	336x22	
84	8936	10/23/98	411x22	GV-76
85	8938	10/23/98	75x22	
86	8938	10/23/98	497x22	GV-63

Table F-1

**Geomembrane Panel Deployment
Town of Moreau, N.Y.**

Panel No.	[1] Roll No.	Date Deployed	[2] Panel Size L x W	Comments
87	8934	10/23/98	500x22	GV-64
88	8934	10/24/98	248x22	
89	8938	10/24/98	169x22	
90	8939	10/24/98	80x22	
91	8939	10/24/98	513x22	
92	8919	10/24/98	517x22	GV-69
93	8914	10/24/98	522x22	
94	8941	10/24/98	524x22	
95	8943	10/24/98	527x22	GV-68&75
96	8928	10/26/98	222x22	
97	8928	10/26/98	263x22	GV-74
98	8928	10/26/98	215x22	
99	8929	10/26/98	207x22	
100	8929	10/26/98	197x22	
101	8929	10/26/98	185x22	
102	8928	10/26/98	Triangular	14x22x24
103	8919	10/26/98	149x22	
104	8914	10/26/98	152x22	GV-67
105	8929	10/26/98	107x22	
106	8929	10/26/98	13x22	
107	8914	10/26/98	70x22	
108	8941	10/26/98	21x22	
109	8919	10/26/98	54x22	
110	8941	10/26/98	32x22	
111	8929	10/26/98	Triangular	21x21x32
112	8941	10/26/98	156x22	
113	8943	10/26/98	157x22	
114	8939	10/26/98	148x22	
115	8943	10/26/98	7x22	
116	8943	10/26/98	22x22	
117	8923	10/26/98	170x22	
118	8923	10/26/98	169x22	
119	8923	10/26/98	163x22	
120	8923	10/26/98	163x22	GV-61
121	8942	10/26/98	164x22	
122	8942	10/26/98	161x22	
123	8942	10/26/98	163x22	
124	8942	10/27/98	254x22	
125	8117	10/27/98	181x22	
126	8923	10/27/98	74x22	
127	8119	10/27/98	162x22	6x2 PATCH
128	9185	10/27/98	73x22	
129	8930	10/27/98	214x22	7x2 PATCH

Table F-1

**Geomembrane Panel Deployment
Town of Moreau, N.Y.**

Panel No.	[1] Roll No.	Date Deployed	[2] Panel Size L x W	Comments
130	8930	10/27/98	184x22	GV-73
131	8930	10/27/98	154x22	
132	8930	10/27/98	122x22	
133	8930	10/27/98	74x22	
134	8929	10/27/98	Triangular	32x21x26
135	9185	10/27/98	50x22	
136	9432	10/28/98	640x22	GV-62
137	9432	10/28/98	Triangular	10x44x45
138	8914	10/28/98	Triangular	8x24x25
139	8914	10/28/98	Triangular	8x22x23
140	9432	10/28/98	Triangular	8x11x14
141	9432	10/28/98	Trapazoid	15x5x12x18
142	8943	10/28/98	Trapazoid	21x12x37x38
143	8932	10/28/98	62x21	
144	9192	10/28/98	Triangular	16x65x67
145	9433	10/30/98	673x22	2-2' DIA. PATCHES
146	9433	10/30/98	22x22	
147	9437	10/31/98	740x22	GV-54
148	9431	10/31/98	724x22	2X3 PATCH
149	9435	10/31/98	551x22	2' DIA. PATCH
150	9435	10/31/98	177x22	
151	9436	10/31/98	726x22	
152	9434	10/31/98	721x22	GV-44&45
153	9439	10/31/98	682x22	GV-46&47;2'DIA. PATCH
154	9437	10/31/98	14x22	
155	9454	10/31/98	702x22	2' DIA. PATCH
156	9449	10/31/98	686x22	
157	9457	10/31/98	664x22	
158	9440	10/31/98	656x22	
159	9453	11/1/98	639x22	
160	9467	11/1/98	626x22	GV-32,33&43
161	9465	11/1/98	618x22	GV-34&35
162	9466	11/1/98	565x22	
163	9466	11/1/98	50x22	
164	9452	11/1/98	589x22	
165	9456	11/1/98	573x22	
166	9448	11/1/98	305x22	
167	9448	11/1/98	306x22	
168	9448	11/1/98	154x22	
169	9468	11/1/98	168x22	
170	9468	11/1/98	329x22	
171	9468	11/1/98	292x22	GV-29
172	9474	11/5/98	340x22	GV-18

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**Geomembrane Panel Deployment
Town of Moreau, N.Y.**

Panel No.	[1] Roll No.	Date Deployed	[2] Panel Size L x W	Comments
173	9474	11/5/98	346x22	
174	9474	11/5/98	46x22	
175	9461	11/5/98	347x22	
176	9461	11/5/98	347x22	
177	9463	11/5/98	362x22	
178	9463	11/5/98	409x22	
179	9469	11/5/98	430x22	GV-17&28
180	9469	11/5/98	321x22	
181	9471	11/5/98	143x22	
182	9471	11/5/98	465x22	
183	9470	11/6/98	485x22	
184	9470	11/6/98	272x22	GV-10
185	8932	11/6/98	132x22	
186	9471	11/6/98	104x22	
187	9462	11/6/98	543x22	
188	9472	11/6/98	570x22	
189	9464	11/6/98	568x22	GV-16&27
190	9473	11/6/98	570x22	GV-9
191	9447	11/6/98	566x22	
192	9460	11/7/98	576x22	
193	9455	11/7/98	569x22	
194	9451	11/7/98	575x22	
195	9450	11/7/98	582x22	GV-5,8,15,&26
196	9458	11/7/98	586x22	
197	9446	11/7/98	591x22	
198	9446	11/9/98	99x22	
199	9450	11/9/98	89x22	
200	9450	11/9/98	83x22	
201	9458	11/9/98	112x22	
202	9458	11/9/98	44x22	
203	9466	11/9/98	39x22	
204	9450	11/9/98	Trapezoid	27x6x27x27
205	9464	11/9/98	112x22	
206	9447	11/9/98	115x22	
207	9466	11/9/98	105x22	
208	9458	11/9/98	14x22	
209	9473	11/9/98	116x22	
210	9447	11/9/98	81x22	
211	9473	11/9/98	31x22	GV-19
212	9472	11/9/98	113x22	
213	9472	11/9/98	110x22	
214	9473	11/9/98	34x22	
215	9192	11/9/98	Quadrangle	18x7x56x54

Table F-1

**Geomembrane Panel Deployment
Town of Moreau, N.Y.**

Panel No.	[1] Roll No.	Date Deployed	[2] Panel Size L x W	Comments
216	9446	11/9/98	Triangular	22x55x60
217	9462	11/14/98	220x22	
218	9451	11/14/98	Triangular	5x32x34
219	9451	11/14/98	132x10	
220	9451	11/16/98	58x11	
221	9451	11/16/98	26x10	
222	9459	11/18/98	586x22	
223	9724	11/18/98	259x22	
224	9724	11/18/98	329x22	2-1' DIA. PATCH/EXTRUSION 6'
225	9724	11/18/98	177x22	
226	9733	11/18/98	407x22	
226A	9724	11/19/98	4x22	
227	9733	11/19/98	364x22	GV-4&7
228	9729	11/19/98	230x22	
229	9729	11/19/98	542x22	GV-14
230	9439	11/19/98	59x22	
231	9456	11/19/98	202x22	
232	9735	11/19/98	240x22	
233	9455	11/19/98	170x22	GV-25
234	9452	11/20/98	190x22	
235	9722	11/20/98	447x22	
236	9722	11/23/98	326x22	
237	9453	11/23/98	142x22	
238	9457	11/23/98	109x22	
239	9449	11/23/98	68x22	
240	9467	11/23/98	151x22	
241	9730	11/23/98	498x22	
242	9730	11/25/98	193x22	
243	9813	11/25/98	274x22	
244	9460	11/25/98	187x22	
245	9465	11/25/98	168x22	
246	9732	11/25/98	480x22	
247	9732	11/25/98	283x22	GV-3&6
248	9808	11/25/98	360x22	GV-13
249	9723	11/28/98	312x22	
250	9723	11/28/98	340x22	GV-24
251	9718	11/28/98	638x22	
252	9720	11/28/98	628x22	
253	9728	11/28/98	623x22	
254	9726	11/28/98	623x22	
255	9719	11/29/98	598x22	GV-2
256	9721	11/29/98	446x22	GV-12&23
257	9721	11/29/98	330x22	

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**Geomembrane Panel Deployment
Town of Moreau, N.Y.**

Panel No.	[1] Roll No.	Date Deployed	[2] Panel Size L x W	Comments
258	9718	11/29/98	102x22	
259	9718	11/29/98	27x16	
260	9734	11/29/98	408x22	
261	9734	11/29/98	366x22	
262	9431	11/29/98	48x22	
263	9730	11/29/98	15x22	
264	9805	11/29/98	408x22	
265	9730	11/29/98	24x16	
266	9805	11/29/98	366x22	
267	9435	11/29/98	33x22	
268	9804	11/29/98	355x22	
269	9474	11/30/98	41x12	
270	9436	11/30/98	46x12	
271	9723	11/30/98	131x22	
272	9454	11/30/98	76x22	
273	9184	11/30/98	31x22	
274	9436	11/30/98	47x12S (10N)	
275	9433	11/30/98	54x12N (20S)	
276	9433	12/2/98	20x22	
277	9461	12/2/98	62x20	
278	9471	12/2/98	59x22	
279	9474	12/2/98	Triangular	3x48x48
280	9460	12/2/98	25x5	
281	9804	12/3/98	365x22	
282	9802	12/3/98	55x22	
283	9802	12/3/98	406x22	
284	9802	12/3/98	305x22	GV-1&11
285	9720	12/3/98	30x22	GV-22
286	9809	12/3/98	338x22	
287	9809	12/3/98	332x22	
288	9812	12/3/98	324x22	
289	9812	12/3/98	329x22	
290	9812	12/3/98	110x22	
291	9809	12/3/98	96x22	
292	9810	12/3/98	117x22	
293	9810	12/3/98	316x22	
294	9810	12/3/98	204x22	
295	9810	12/3/98	95x22	GV-21
296	9728	12/4/98	159x22	GV-20
297	9720	12/4/98	123x22	
298	9726	12/4/98	Quadrangle	16x12x22x28
299	9726	12/4/98	Quadrangle	36x16x22x28
300	9726	12/4/98	Quadrangle	58x36x22x29

Table F-1

Geomembrane Panel Deployment
Town of Moreau, N.Y.

Panel No.	[1] Roll No.	Date Deployed	[2] Panel Size L x W	Comments
301	9719	12/4/98	Quadrangle	79x58x22x30
302	9719	12/4/98	Quadrangle	107x79x22x27
303	9728	12/4/98	4x22	
304	9464	12/4/98	83x22	
305	9432	12/4/98	67x22	
306	9437	12/4/98	Triangular	17x22x30 GV-30
307	9437	12/4/98	Triangular	22x16x29
308	9437	12/4/98	Quadrangle	21x21x2x4
309	9437	12/4/98	Quadrangle	21x21x5x4
310	9725	12/5/98	Quadrangle	126x105x22x28
311	9725	12/5/98	Quadrangle	138x126x22x28
312	9725	12/5/98	Quadrangle	159x138x22x28
313	9725	12/5/98	Quadrangle	167x159x22x28
314	9808	12/5/98	Quadrangle	137x167x22x28
315	9808	12/5/98	Quadrangle	104x137x22x28
316	9808	12/5/98	Quadrangle	59x104x22x28
317	9725	12/5/98	Quadrangle	55x59x22x24 GV-31
318	9725	12/5/98	Triangular	20x20x26
319	9734	12/5/98	Quadrangle	27x55x22x28
320	9726	12/5/98	Triangular	27x22x28

Geomembrane Trial Seam Qualification Summary
Town of Moreau, N.Y.

Trial No.	[1] Weld Type	Time AM/PM	Set Up Temp. Barrel/Nozzle or Wedge	Film Tearing Bond		Unit No.	Date	Initials
				Shear (P/F)	Peal (P/F)			
1	DHW	AM	750/7	P	P	HS 2	10/13/98	AD
2	DHW	AM	750/6	P	P	HS 1	10/13/98	DMW
3	DHW	AM	750/6.5	P	P	HS 3	10/13/98	DAM
4	EXT	PM	460/385	P	P	EXT 2	10/13/98	DMW
5	DHW	PM	760/6	P	P	HS 3	10/13/98	DAM
6	DHW	PM	750/7	P	P	HS 2	10/13/98	AD
1	EXT	AM	460/385	P	P	EXT 2	10/15/98	AD
1	DHW	AM	750/7	P	P	HS 2	10/16/98	AD
2	DHW	AM	750/6	P	P	HS 3	10/16/98	DMW
3	EXT	AM	460/400	P	P	EXT 1	10/16/98	DAM
4	DHW	PM	750/7	P	P	HS 2	10/16/98	AD
5	DHW	PM	750/6	P	P	HS 3	10/16/98	DMW
6	EXT	PM	460/400	P	P	EXT 1	10/16/98	DAM
1	DHW	AM	750/7	P	P	HS 2	10/17/98	AD
2	DHW	AM	750/6	P	P	HS 1	10/17/98	DMW
3	EXT	AM	460/400	P	P	EXT 1	10/17/98	DAM
4	EXT	PM	460/400	P	P	EXT 1	10/17/98	DAM
5	DHW	PM	750/7	P	P	HS 2	10/17/98	AD
1	DHW	AM	750/6	P	P	HS 1	10/18/98	DMW
2	EXT	AM	460/420	P	P	EXT 1	10/18/98	DAM
3	DHW	AM	750/7	P	P	HS 2	10/18/98	AD
4	EXT	AM	460/385	P	P	EXT 2	10/18/98	DMW
1	EXT	AM	460/385	P	P	EXT 4	10/20/98	TS
2	DHW	AM	750/7	P	P	HS 1	10/20/98	AD
1	DHW	AM	750/7	P	P	HS 1	10/21/98	AD
2	DHW	AM	750/6	P	P	HS 2	10/21/98	DMW
3	EXT	AM	460/400	P	P	EXT 4	10/21/98	DAM
4	DHW	PM	750/6	P	P	HS 2	10/21/98	DMW
5	DHW	PM	750/7	P	P	HS 1	10/21/98	AD
6	EXT	PM	460/385	P	P	EXT 4	10/21/98	TS
1	DHW	AM	750/7	P	P	HS 1	10/22/98	AD
2	DHW	AM	750/6	P	P	HS 2	10/22/98	DMW
3	EXT	AM	460/470	P	P	EXT 4	10/22/98	DAM
4	DHW	PM	750/6	P	P	HS 2	10/22/98	DMW
5	DHW	PM	750/7	P	P	HS 1	10/22/98	AD
6	EXT	PM	460/390	P	P	EXT 1	10/22/98	DAM
7	EXT	PM	460/385	P	P	EXT 4	10/22/98	DMW
1	DHW	AM	750/7	P	P	HS 1	10/23/98	AD
2	DHW	PM	750/7	P	P	HS 1	10/23/98	AD
3	EXT	PM	460/400	P	P	EXT 1	10/23/98	TS
1	DHW	AM	750/7	P	P	HS 1	10/24/98	AD
2	DHW	AM	750/7	P	P	HS 2	10/24/98	DAM
3	EXT	AM	465/400	P	P	EXT 1	10/24/98	TS

Geomembrane Trial Seam Qualification Summary
Town of Moreau, N.Y.

Trial No.	[1] Weld Type	Time AM/PM	Set Up Temp. Barrel/Nozzle or Wedge	Film Tearing Bond		Unit No.	Date	Initials
				Shear (P/F)	Peal (P/F)			
1	DHW	AM	750/7	P	P	HS 1	10/26/98	AD
2	DHW	AM	750/7	P	P	HS 1	10/26/98	TS
3	EXT	AM	460/400	P	P	EXT 1	10/26/98	DAM
4	DHW	AM	750/7	P	P	HS 2	10/26/98	DAM
5	DHW	PM	750/7	P	P	HS 1	10/26/98	TS
6	DHW	PM	750/7	P	P	HS 2	10/26/98	DAM
1	DHW	AM	750/7	P	P	HS 1	10/27/98	AD
2	EXT	AM	485/400	P	P	EXT 1	10/27/98	TS
3	EXT	PM	485/400	P	P	EXT 1	10/27/98	TS
4	EXT	PM	460/360	P	P	EXT 4	10/27/98	AD
1	EXT	AM	485/400	P	P	EXT 1	10/28/98	TS
2	DHW	AM	750/7	P	P	HS 1	10/28/98	AD
3	DHW	AM	750/7	P	P	HS 2	10/28/98	DAM
1	EXT	AM	460/360	P	P	EXT 4	10/29/98	AD
1	EXT	AM	460/360	P	P	EXT 4	10/30/98	AD
2	EXT	AM	460/480	P	P	EXT 1	10/30/98	DAM
3	DHW	AM	750/7	P	P	HS 1	10/30/98	AD
4	EXT	PM	460/480	P	P	EXT 1	10/30/98	AD
1	DHW	AM	750/7	P	P	HS 3	10/31/98	DAM
2	DHW	AM	750/7	P	P	HS 1	10/31/98	AD
3	DHW	PM	750/7	P	P	HS 3	10/31/98	DAM
1	DHW	AM	750/6.5	P	P	HS 1	11/1/98	AD
2	DHW	AM	770/6.5	P	P	HS 3	11/1/98	DAM
3	EXT	PM	460/360	P	P	EXT 4	11/1/98	AD
4	EXT	PM	460/360	P	P	EXT 1	11/1/98	TS
1	DHW	AM	750/6.5	P	P	HS 1	11/2/98	AD
2	DHW	AM	750/6.5	P	P	HS 3	11/2/98	DAM
3	EXT	AM	400/450	P	P	EXT 1	11/2/98	TS
1	DHW	AM	750/6	P	P	HS 1	11/3/98	AD
2	EXT	AM	400/450	P	P	EXT 1	11/3/98	TS
1	DHW	AM	750/6	P	P	HS 1	11/4/98	AD
2	EXT	AM	400/450	P	P	EXT 1	11/4/98	TS
1	DHW	AM	750/6.5	P	P	HS 1	11/5/98	AD
2	DHW	AM	750/6.5	P	P	HS 3	11/5/98	DAM
3	DHW	PM	750/6.5	P	P	HS 1	11/5/98	AD
4	DHW	PM	750/6.5	P	P	HS 3	11/5/98	DAM
1	DHW	AM	750/6	F	F	HS 1	11/6/98	AD
2	DHW	AM	750/5.5	P	P	HS 1	11/6/98	AD
3	DHW	AM	750/5.5	P	P	HS 3	11/6/98	DAM
4	DHW	PM	750/5.5	P	P	HS 1	11/6/98	AD
5	DHW	PM	750/5.5	P	P	HS 3	11/6/98	DAM
1	EXT	AM	400/450	P	P	EXT 1	11/7/98	AD
2	DHW	AM	770/5.5	P	P	HS 3	11/7/98	TS

Geomembrane Trial Seam Qualification Summary
Town of Moreau, N.Y.

Trial No.	[1] Weld Type	Time AM/PM	Set Up Temp. Barrel/Nozzle or Wedge	Film Tearing Bond		Unit No.	Date	Initials
				Shear (P/F)	Peal (P/F)			
3	DHW	AM	770/5.5	P	P	HS 3	11/7/98	DAM
4	DHW	PM	770/5.5	P	P	HS 2	11/7/98	DAM
5	DHW	PM	750/5.5	P	P	HS 1	11/7/98	AD
1	DHW	AM	750/5.5	P	P	HS 3	11/9/98	DAM
2	DHW	AM	750/5.5	P	P	HS 3	11/10/98	DAM
1	EXT	AM	415/450	P	P	EXT 1	11/10/98	AD
2	DHW	AM	750/5	P	P	HS 3	11/12/98	DAM
1	EXT	AM	450/410	P	P	EXT 1	11/12/98	AD
1	EXT	AM	450/410	P	P	EXT 1	11/13/98	AD
2	EXT	PM	450/410	P	P	EXT 1	11/13/98	AD
1	EXT	AM	450/410	P	P	EXT 1	11/14/98	AD
2	DHW	AM	750/4.5	P	P	HS 3	11/14/98	DAM
1	DHW	AM	750/6	P	P	HS 3	11/16/98	DAM
2	EXT	AM	410/450	P	P	EXT 1	11/16/98	AD
3	EXT	PM	410/450	P	P	EXT 1	11/16/98	AD
4	EXT	PM	410/450	P	P	EXT 1	11/16/98	DM
1	DHW	AM	750/4.5	P	P	HS 1	11/18/98	AD
2	DHW	AM	750/5.5	P	P	HS 3	11/18/98	DAM
1	EXT	AM	450/425	P	P	EXT 1	11/19/98	DAM
2	DHW	AM	750/4.5	P	P	HS 1	11/19/98	AD
3	DHW	PM	750/5	P	P	HS 3	11/19/98	DAM
1	DHW	AM	750/4.5	P	P	HS 1	11/20/98	AD
1	DHW	AM	750/4.5	P	P	HS 1	11/23/98	AD
2	EXT	PM	450/405	P	P	EXT 1	11/23/98	TS
1	DHW	AM	750/4.5	P	P	HS 1	11/24/98	AD
2	EXT	AM	450/405	P	P	EXT 1	11/24/98	ET
1	EXT	AM	410/450	P	P	EXT 1	11/25/98	AD
2	DHW	AM	750/4.5	P	P	HS 3	11/25/98	ET
3	DHW	AM	750/4.5	P	P	HS 1	11/25/98	AD
4	DHW	PM	750/4.5	P	P	HS 1	11/25/98	AD
1	DHW	AM	750/4.5	P	P	HS 3	11/28/98	ET
2	EXT	AM	410/450	P	P	EXT 1	11/28/98	ET
3	DHW	PM	750/4.5	P	P	HS 1	11/28/98	RV
1	EXT	AM	410/450	P	P	EXT 1	11/29/98	AD
2	DHW	AM	750/4.5	P	P	HS 3	11/29/98	ET
3	DHW	AM	750/4.5	P	P	HS 1	11/29/98	ET
4	DHW	PM	750/4.5	P	P	HS 1	11/29/98	AD
5	DHW	PM	750/4.5	P	P	HS 3	11/29/98	ET
1	DHW	AM	750/4.5	P	P	HS 3	11/30/98	ET
2	DHW	AM	750/4.5	P	P	HS 1	11/30/98	AD
3	EXT	AM	410/450	P	P	EXT 1	11/30/98	TS
4	EXT	PM	410/450	P	P	EXT 1	11/30/98	TS
5	EXT	PM	410/450	P	P	EXT 1	11/30/98	RV

Geomembrane Trial Seam Qualification Summary
Town of Moreau, N.Y.

Trial No.	[1] Weld Type	Time AM/PM	Set Up Temp. Barrel/Nozzle or Wedge	Film Tearing Bond		Unit No.	Date	Initials
				Shear (P/F)	Peal (P/F)			
1	DHW	AM	750/4	P	P	HS 1	12/2/98	AD
2	EXT	AM	450/410	P	P	EXT 3	12/2/98	ET
3	EXT	AM	410/450	P	P	EXT 1	12/2/98	TS
4	DHW	PM	750/4	P	P	HS 1	12/2/98	AD
5	EXT	PM	450/410	P	P	EXT 3	12/2/98	ET
6	EXT	PM	410/450	P	P	EXT 1	12/2/98	TS
1	EXT	AM	410/450	P	P	EXT 3	12/3/98	ET
2	DHW	AM	750/4.5	P	P	HS 1	12/3/98	AD
3	DHW	AM	750/4.5	P	P	HS 3	12/3/98	ET
4	DHW	PM	750/4.5	P	P	HS 1	12/3/98	AD
5	DHW	PM	750/4.5	P	P	HS 3	12/3/98	ET
1	DHW	AM	750/4	P	P	HS 1	12/4/98	AD
2	EXT	AM	410/450	P	P	EXT 3	12/4/98	ET
3	DHW	PM	750/4.5	P	P	HS 1	12/4/98	AD
1	DHW	AM	750/4.5	P	P	HS 3	12/5/98	ET
2	DHW	AM	750/4	P	P	HS 1	12/5/98	AD
3	EXT	AM	410/450	P	P	EXT 3	12/5/98	ET
4	EXT	PM	410/455	P	P	EXT 1	12/5/98	AD
5	EXT	PM	410/450	P	P	EXT 3	12/5/98	TS
1	EXT	AM	410/455	P	P	EXT 1	12/6/98	TS
2	EXT	PM	410/455	P	P	EXT 1	12/6/98	TS
1	EXT	AM	410/450	P	P	EXT 1	12/7/98	TS
1	EXT	AM	410/450	P	P	EXT 1	12/8/98	TS
1	EXT	AM	410/450	P	P	EXT 1	12/9/98	TS

[1] EXT- Extrusion Weld
DHW - Dual Hotwedge

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	Length of Seam (ft)	Seamer Initials	Air Test	Number of Sections Air Tested [2]	Vacuum Box Passed Test Date
10/13/98	1-2	DHW	197	AD	10/13/98		
10/13/98	1-4	DHW	147	AD	10/13/98		10/15/98
10/13/98	1-8	DHW	32	DMW	10/13/98		
11/14/98	1-170	DHW	22	DM			11/16/98
10/13/98	2-3	DHW	205	AD	10/13/98		
11/14/98	2-174	DHW	22	DM			11/16/98
10/13/98	3-9	DHW	219	AD	10/13/98		10/15/98
11/14/98	3-217	DHW	22	DM			11/16/98
10/13/98	4-5	DHW	146	DMW	10/13/98		
10/13/98	4-8	DHW	22	DMW	10/13/98		10/15/98
10/13/98	5-6	DHW	172	AD	10/13/98		
10/13/98	5-8	DHW	32	DMW	10/13/98		
11/14/98	5-167	DHW	22	DM			11/16/98
10/13/98	6-7	DHW	117	AD	10/13/98		
11/14/98	6-166	DHW	22	DM			11/16/98
11/9/98	7-215	DHW	54	DM	11/9/98		
11/14/98	7-166	DHW	6	DM			11/16/98
12/4/98	7-309	DHW	14	AD			12/7/98
12/4/98	7-308	DHW	2	AD			
11/14/98	8-169	DHW	22	DM			11/16/98
10/13/98	9-10	DHW	236	AD	10/13/98	Partial	11/16/98
11/16/98	9-217	DHW	18	DM			11/16/98
10/13/98	10-11	DHW	246	AD	10/13/98		10/15/98
11/16/98	10-217	DHW	13	DM			11/16/98
10/13/98	11-12	DHW	236	DM	10/13/98	5	10/15/98
10/13/98	11-15	DHW	24	DM			10/15/98
11/16/98	11-218	DHW	22	DM			11/16/98
10/13/98	12-13	DHW	239	AD	10/13/98		10/15/98
10/13/98	12-15	DHW	22	DM			10/15/98
10/13/98	13-14	DHW	264	AD	10/13/98		
10/13/98	13-15	DHW	25	DM			10/15/98
11/5/98	13-218	DHW	11	DM			11/14/98
11/16/98	13-179	DHW	2	DM			11/16/98
10/13/98	14-16	DHW	195	DM	10/13/98		10/15/98
10/13/98	14-17	DHW	70	DM	10/13/98		
11/5/98	14-181	DHW	11	DM			11/14/98
11/5/98	14-179	DHW	18	DM			11/14/98
11/16/98	15-218	DHW	22	DM			11/16/98
10/13/98	16-17	DHW	22	DM	10/13/98		15-Oct
10/13/98	16-18	DHW	195	AD	10/13/98		
10/13/98	17-18	DHW	84	AD	10/13/98		
11/5/98	17-182	DHW	5	DM			14-Nov
11/5/98	17-181	DHW	27	DM			14-Nov
10/13/98	18-19	DHW	292	AD	10/15/98	2	15-Oct
11/5/98	18-182	DHW	22	DM			11/14/98
11/6/98	18-183	DHW	2	DM			11/14/98
10/13/98	19-20	DHW	79	DM	10/15/98		
10/13/98	19-21	DHW	216	DM	10/15/98		10/15/98
11/6/98	19-183	DHW	19	DM			11/14/98

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
11/6/98	19-186	DHW	3	DM			11/14/98
10/13/98	20-21	DHW	22	DM	10/15/98		10/15/98
10/13/98	20-22	DHW	77	AD	10/15/98		
10/13/98	21-22	DHW	223	AD	10/15/98		
11/6/98	21-186	DHW	20	DM			11/13/98
11/6/98	21-187	DHW	2	DM			11/13/98
10/16/98	22-23	DHW	307	AD	10/16/98		10/17/98
11/6/98	22-187	DHW	19	DM			11/13/98
11/6/98	22-188	DHW	3	DM			11/13/98
10/16/98	23-24	DHW	321	AD	10/16/98	2	10/14/98
11/6/98	23-188	DHW	18	DM			11/13/98
11/6/98	23-189	DHW	5	DM			11/13/98
10/16/98	24-25	DHW	104	DMW	10/16/98		10/16/98
10/16/98	24-26	DHW	222	DMW	10/16/98		
11/6/98	24-189	DHW	16	DM			11/13/98
11/6/98	24-190	DHW	7	DM			11/13/98
10/16/98	25-26	DHW	22	DMW	10/16/98		10/16/98
10/16/98	25-27	DHW	104	DMW	10/16/98		
10/16/98	26-27	DHW	230	DMW	10/16/98	3	10/17/98
11/6/98	26-190	DHW	15	DM			11/13/98
11/6/98	26-191	DHW	7	DM			11/13/98
10/16/98	27-28	DHW	339	AD	10/16/98	2	10/18/98
11/6/98	27-191	DHW	15	DM			11/14/98
11/7/98	27-192	DHW	8	DM			11/14/98
10/16/98	28-29	DHW	356	DMW	10/16/98		10/17/98
11/7/98	28-193	DHW	15	DM			11/14/98
10/16/98	29-30	DHW	362	AD	10/16/98	Partial	10/18/98
11/7/98	29-194	DHW	12	DM			11/13/98
10/16/98	30-31	DHW	363	DMW	10/16/98	2	18-Oct
10/16/98	30-32	DHW	32	DMW			10/17/98
11/7/98	30-195	DHW	10	DM			11/14/98
11/7/98	30-196	DHW	13	DM			11/14/98
10/16/98	31-32	DHW	22	DMW	10/16/98		
10/16/98	31-33	DHW	256	DMW	10/16/98	2	10/17/98
10/16/98	31-34	DHW	114	DMW	10/16/98	Partial	10/17/98
10/16/98	32-34	DHW	44	DMW	10/16/98	2	10/17/98
11/7/98	32-197	DHW	9	DM			11/14/98
11/7/98	32-196	DHW	14	DM			11/14/98
10/16/98	33-34	DHW	22	DMW	10/16/98		10/17/98
10/16/98	33-35	DHW	251	DMW			10/17/98
10/16/98	34-35	DHW	11	DMW			10/17/98
10/16/98	34-36	DHW	158	DMW	10/17/98	Partial	10/17/98
11/7/98	34-222	DHW	7	DM			11/13/98
11/7/98	34-197	DHW	17	DM			11/13/98
10/16/98	35-36	DHW	22	DMW	10/17/98		10/17/98
10/16/98	35-37	DHW	263	DMW	10/17/98	3	10/17/98
10/16/98	36-37	DHW	158	DMW	10/17/98	2	10/17/98
11/18/98	36-222	DHW	12	AD			11/24/98
10/17/98	37-38	DHW	435	AD	10/17/98		18-Oct
11/7/98	37-224	DHW	5	AD			11/24/98
11/18/98	37-226A	DHW	18	AD			11/24/98

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
10/17/98	38-39	DHW	290	DMW	10/17/98		10/20/98
10/17/98	38-40	DHW	157	DMW	10/17/98		10/18/98
11/18/98	38-226A	DHW	10	AD			11/24/98
11/18/98	38-228	DHW	22	AD			11/24/98
10/17/98	39-40	DHW	22	DMW	10/17/98		10/18/98
10/17/98	39-41	DHW	290	AD	10/17/98		10/18/98
10/17/98	40-41	DHW	163	AD	10/17/98		
11/18/98	40-228	DHW	2	AD			11/24/98
11/19/98	40-235	DHW	21	AD			11/24/98
10/17/98	41-42	DHW	431	DMW	10/17/98	2	10/20/98
10/17/98	41-43	DHW	30	DMW	10/17/98		10/18/98
11/19/98	41-228	DHW	22	DM			11/24/98
11/19/98	41-230	DHW	6	DM			11/24/98
10/17/98	42-43	DHW	22	DMW	10/17/98		10/18/98
10/17/98	42-44	DHW	277	AD	10/17/98		
10/17/98	42-45	DHW	157	AD	10/17/98		10/18/98
10/17/98	43-45	DHW	36	AD	10/17/98		
11/19/98	43-230	DHW	21	DM			11/24/98
11/19/98	43-233	DHW	3	DM			11/24/98
10/17/98	44-45	DHW	22	AD	10/17/98		
10/17/98	44-46	DHW	277	DMW	10/17/98		10/18/98
10/17/98	45-46	DHW	196	DMW	10/17/98		
11/19/98	45-233	DHW	20	DM			11/24/98
11/20/98	45-239	DHW	2	DM			11/24/98
10/17/98	46-47	DHW	473	AD	10/17/98		10/18/98
11/20/98	46-241	DHW	19	DM			11/24/98
11/23/98	46-239	DHW	5	DM			11/24/98
10/17/98	47-48	DHW	480	AD	10/18/98	2	10/20/98
11/23/98	47-244	DHW	20	DM			11/24/98
11/23/98	47-241	DHW	2	DM			11/24/98
10/17/98	48-49	DHW	256	AD	10/17/98		
10/17/98	48-50	DHW	230	AD	10/17/98		10/18/98
11/25/98	48-246	DHW	19	ET			11/25/98
11/25/98	48-246	DHW	3	ET			11/25/98
10/17/98	49-50	DHW	22	AD	10/17/98		10/20/98
10/18/98	49-51	DHW	250	DMW	10/18/98	2	10/20/98
10/18/98	50-51	DHW	232	DMW	10/18/98		
11/25/98	50-248	DHW	19	ET			12/2/98
10/18/98	51-52	DHW	246	AD	10/18/98		
10/18/98	51-53	DHW	259	AD	10/18/98		10/18/98
11/25/98	51-250	DHW	18	ET			12/2/98
11/28/98	51-251	DHW	4	RV			12/2/98
10/18/98	52-53	DHW	22	AD	10/18/98		10/20/98
10/18/98	52-54	DHW	246	DMW	10/18/98		10/20/98
10/18/98	53-54	DHW	238	DMW	10/18/98		
10/20/98	53-55	DHW	29	AD	10/20/98	Partial	10/20/98
11/28/98	53-251	DHW	17	ET			12/2/98
11/28/98	53-252	DHW	5	RV			12/2/98
10/20/98	54-55	DHW	22	AD	10/20/98		10/20/98
10/20/98	54-56	DHW	475	AD	10/20/98		10/20/98
10/20/98	55-56	DHW	38	AD	10/20/98		

Table F-3

**Field Seaming Testing Report
Town of Moreau, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
11/28/98	55-252	DHW	17	RV			12/2/98
11/28/98	55-253	DHW	6	RV			12/2/98
10/20/98	56-57	DHW	216	AD	10/20/98		10/20/98
10/20/98	56-58	DHW	301	AD	10/20/98		
11/28/98	56-253	DHW	16	ET			12/2/98
11/28/98	56-254	DHW	6	ET			12/2/98
10/20/98	57-58	DHW	22	AD			10/20/98
10/20/98	57-59	DHW	228	AD	10/20/98	2	10/20/98
10/20/98	58-59	DHW	211	AD	10/20/98		10/20/98
11/28/98	58-64	DHW	20	ET			12/2/98
11/30/98	58-274	DHW	44	ET			12/2/98
11/30/98	58-275	DHW	52	ET			12/2/98
10/21/98	59-60	DHW	350	AD	10/21/98		
12/2/98	59-64	DHW	23	ET			12/3/98
10/21/98	60-61	DHW	353	AD	10/21/98		10/21/98
10/21/98	60-64	DHW	22	AD			10/21/98
10/21/98	61-62	DHW	369	DMW	10/21/98	4	10/21/98
10/21/98	61-151	DHW	13	AD			10/21/98
12/2/98	61-152	DHW	15	AD			12/8/98
12/2/98	61-277	DHW	7	AD			12/8/98
10/21/98	62-63	DHW	361	DMW	10/21/98	2	10/21/98
10/31/98	62-149	DHW	24	DM			11/1/98
11/30/98	62-151	DHW	1	AD			12/8/98
10/22/98	63-65	DHW	356	DMW	10/22/98	3	10/22/98
10/30/98	63-149	DHW	12	DM	10/30/98		11/1/98
10/31/98	63-148	DHW	18	DM			11/1/98
12/2/98	64-278B	DHW	15	AD			12/8/98
12/2/98	64-280	DHW	7	AD			12/8/98
10/22/98	65-66	DHW	344	AD	10/22/98		10/22/98
10/28/98	65-148	DHW	11	DM			11/3/98
10/30/98	65-147	DHW	24	DM			11/3/98
10/22/98	66-67	DHW	344	DMW	10/22/98		10/22/98
10/28/98	66-145	DHW	22	DM			11/3/98
10/22/98	67-68	DHW	349	AD	10/22/98		10/22/98
10/28/98	67-145	DHW	22	DM			11/3/98
10/22/98	68-69	DHW	350	AD	10/22/98		10/22/98
10/28/98	68-145	DHW	22	DM			11/3/98
10/22/98	69-70	DHW	355	AD	10/22/98		
10/28/98	69-136	DHW	22	DM			11/3/98
10/22/98	70-71	DHW	364	AD	10/22/98	2	10/22/98
10/28/98	70-136	DHW	22	DM			11/3/98
10/22/98	71-72	DHW	357	AD	10/22/98	2	10/22/98
10/22/98	71-73	DHW	29	AD	10/22/98		
10/28/98	71-136	DHW	22	DM			11/3/98
10/22/98	72-73	DHW	22	DMW	10/22/98		10/23/98
10/22/98	72-74	DHW	357	DMW	10/22/98	2	10/22/98
10/28/98	72-136	DHW	22	DM			11/3/98
10/22/98	73-74	DHW	32	DMW	10/22/98		
10/22/98	74-75	DHW	330	DMW	10/22/98		10/23/98
10/22/98	74-76	DHW	25	DMW			10/22/98
10/22/98	74-77	DHW	46	DMW	10/22/98		

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
10/28/98	74-136	DHW	22	AD			11/3/98
10/22/98	75-76	DHW	22	AD	10/22/98		10/22/98
10/22/98	75-78	DHW	335	AD	10/22/98		10/27/98
10/28/98	75-136	DHW	22	AD			11/3/98
10/22/98	76-77	DHW	22	AD	10/22/98		10/22/98
10/22/98	76-78	DHW	25	AD	10/22/98		
10/22/98	77-78	DHW	46	AD	10/22/98		
10/23/98	78-79	DHW	290	AD	10/23/98		10/27/98
10/23/98	78-80	DHW	146	AD	10/23/98		10/23/98
10/28/98	78-136	DHW	22	AD			11/3/98
10/23/98	79-80	DHW	22	AD	10/23/98		10/23/98
10/23/98	79-81	DHW	289	AD	10/23/98		
10/28/98	79-136	DHW	22	AD			11/3/98
10/23/98	80-81	DHW	151	AD	10/23/98		
10/23/98	81-82	DHW	121	AD	10/23/98		
10/23/98	81-83	DHW	325	AD	10/23/98		10/23/98
10/28/98	81-136	DHW	22	AD			11/3/98
10/23/98	82-83	DHW	22	AD	10/23/98		10/27/98
10/23/98	82-84	DHW	127	AD	10/23/98		10/23/98
10/28/98	82-136	DHW	22	AD			11/3/98
10/23/98	83-84	DHW	279	AD	10/23/98		
10/23/98	83-85	DHW	59	AD	10/23/98		
10/23/98	84-85	DHW	22	AD	10/23/98		10/23/98
10/23/98	84-86	DHW	408	AD	10/23/98	2	10/27/98
10/28/98	84-136	DHW	22	AD			11/3/98
10/23/98	85-86	DHW	75	AD	10/23/98		
10/23/98	86-87	DHW	497	AD	10/23/98	2	10/27/98
10/28/98	86-136	DHW	22	AD			11/3/98
10/24/98	87-88	DHW	248	AD	10/24/98		10/27/98
10/24/98	87-89	DHW	168	AD	10/24/98		
10/24/98	87-90	DHW	79	AD	10/24/98		10/27/98
10/28/98	87-136	DHW	22	AD			11/3/98
10/24/98	88-89	DHW	22	DM	10/24/98		10/27/98
10/24/98	88-91	DHW	248	DM	10/24/98		10/27/98
10/28/98	88-136	DHW	24	AD			11/3/98
10/24/98	89-90	DHW	22	DM	10/24/98		10/27/98
10/24/98	89-91	DHW	168	DM	10/24/98		
10/24/98	90-91	DHW	79	DM	10/24/98	2	10/27/98
10/24/98	91-92	DHW	509	AD	10/24/98		10/27/98
10/28/98	91-136	DHW	22	AD			11/3/98
10/24/98	92-93	DHW	516	DM	10/24/98	2	10/27/98
10/28/98	92-136	DHW	22	AD			11/3/98
10/24/98	93-94	DHW	520	AD	10/24/98		10/27/98
10/28/98	93-136	DHW	22	AD			11/3/98
10/24/98	94-95	DHW	521	DM	10/24/98	3	10/27/98
10/28/98	94-136	DHW	22	AD			11/3/98
10/26/98	95-96	DHW	29	DM			10/28/98
10/26/98	95-97	DHW	19	DM			10/28/98
10/26/98	95-99	DHW	30	DM			10/28/98
10/26/98	95-100	DHW	30	DM			10/28/98
10/26/98	95-101	DHW	22	DM			10/28/98

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
10/26/98	95-102	DHW	21	DM			10/28/98
10/26/98	95-103	DHW	22	DM			10/28/98
10/26/98	95-104	DHW	22	DM			10/28/98
10/26/98	95-106	DHW	22	DM			10/28/98
10/26/98	95-108	DHW	22	DM			10/28/98
10/26/98	95-109	DHW	22	DM			10/28/98
10/26/98	95-110	DHW	22	DM			10/28/98
10/26/98	95-111	DHW	22	DM			10/28/98
10/26/98	95-112	DHW	22	DM			10/28/98
10/26/98	95-115	DHW	22	DM			10/28/98
10/26/98	95-116	DHW	22	DM			10/28/98
10/26/98	95-117	DHW	22	DM			10/28/98
10/26/98	95-118	DHW	22	DM			10/28/98
10/26/98	95-119	DHW	22	DM			10/28/98
10/26/98	95-120	DHW	22	DM			10/28/98
10/26/98	95-121	DHW	22	DM			10/28/98
10/26/98	95-122	DHW	22	DM			10/28/98
10/26/98	95-123	DHW	20	DM			11/3/98
10/28/98	95-136	DHW	16	AD			11/3/98
10/26/98	96-97	DHW	256	AD	10/26/98	2	10/28/98
10/26/98	96-98	DHW	218	AD	10/26/98		10/28/98
10/26/98	96-102	DHW	14	DM			10/28/98
10/26/98	97-124	DHW	246	AD	10/26/98	Partial	11/2/98
10/26/98	98-99	DHW	213	AD	10/26/98		
10/26/98	98-102	DHW	22	DM			10/28/98
10/26/98	99-100	DHW	202	DM	10/26/98		
10/26/98	100-101	DHW	185	AD	10/26/98		10/28/98
10/26/98	101-104	DHW	28	AD	10/26/98		10/28/98
10/26/98	101-105	DHW	33	AD	10/26/98		10/28/98
10/26/98	101-107	DHW	32	AD	10/26/98		10/28/98
10/26/98	101-109	DHW	30	AD			10/28/98
10/26/98	101-110	DHW	33	AD	10/26/98		10/28/98
10/26/98	101-111	DHW	30	AD	10/26/98		10/28/98
10/26/98	103-104	DHW	149	AD	10/26/98		
10/26/98	103-112	DHW	152	AD	10/26/98	3	10/28/98
10/26/98	104-105	DHW	107	AD	10/26/98	Partial	10/28/98
10/26/98	104-106	DHW	13	AD	10/26/98		
10/26/98	105-106	DHW	22	AD			10/28/98
10/26/98	105-107	DHW	70	AD	10/26/98		
10/26/98	105-108	DHW	9	AD			10/28/98
10/26/98	106-108	DHW	11	AD	10/26/98		
10/26/98	107-108	DHW	22	AD			10/28/98
10/26/98	107-109	DHW	46	AD	10/26/98		
10/26/98	108-109	DHW	21	AD	10/26/98		10/28/98
10/26/98	109-110	DHW	44	DM	10/26/98		10/28/98
10/26/98	110-111	DHW	21	DM	10/26/98		10/28/98
10/26/98	112-113	DHW	145	AD	10/26/98		10/28/98
10/26/98	112-115	DHW	6	AD			10/28/98
10/26/98	113-114	DHW	139	AD	10/26/98		
10/26/98	113-115	DHW	22	AD			10/28/98
10/26/98	113-116	DHW	16	AD			10/28/98

Table F-3

**Field Seaming Testing Report
Town of Moreau, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
10/26/98	114-116	DHW	22	AD	10/26/98		10/28/98
10/26/98	114-117	DHW	149	AD	10/26/98		
10/26/98	115-116	DHW	6	AD			10/28/98
10/26/98	116-117	DHW	22	AD	10/26/98		
10/26/98	117-118	DHW	169	AD	10/26/98	3	10/28/98
10/26/98	118-119	DHW	163	AD	10/26/98		
10/26/98	119-120	DHW	163	AD	10/26/98		
10/26/98	120-121	DHW	164	AD	10/26/98		10/28/98
10/26/98	121-122	DHW	161	AD	10/26/98		
10/26/98	122-123	DHW	161	AD	10/26/98		
10/28/98	123-139	DHW	22	AD	10/27/98		10/28/98
10/28/98	123-141	DHW	15	AD	10/27/98		10/28/98
10/28/98	123-142	DHW	37	AD	10/27/98		10/28/98
10/28/98	123-143	DHW	65	AD	10/27/98		
10/27/98	124-125	DHW	174	AD	10/27/98		
10/27/98	124-126	DHW	74	AD	10/27/98		
10/27/98	125-126	DHW	22	AD	10/27/98		10/28/98
10/27/98	125-127	DHW	145	AD	10/27/98		10/28/98
10/27/98	126-128	DHW	33	AD	10/27/98		
10/27/98	127-128	DHW	22	AD	10/27/98		10/28/98
10/27/98	127-129	DHW	167	AD	10/27/98	2	10/28/98
10/27/98	128-129	DHW	43	AD	10/27/98		
10/27/98	129-130	DHW	174	AD	10/27/98		10/28/98
10/27/98	130-131	DHW	142	AD	10/27/98		
10/27/98	130-134	DHW	26	AD	10/27/98		
10/27/98	131-132	DHW	122	AD	10/27/98	2	10/28/98
10/27/98	131-134	DHW	21	AD	10/27/98		
10/27/98	132-133	DHW	73	AD	10/27/98	2	10/28/98
10/27/98	133-135	DHW	49	AD	10/27/98		
10/28/98	136-146	DHW	45	AD			
10/28/98	136-139	DHW	23	AD	10/27/98		10/28/98
10/28/98	136-140	DHW	11	AD			10/28/98
10/28/98	136-141	DHW	5	AD			10/28/98
10/28/98	136-142	DHW	38	AD	10/27/98		10/28/98
10/28/98	136-144	DHW	67	AD	10/27/98		
10/28/98	139-140	DHW	8	AD			10/28/98
10/28/98	140-141	DHW	14	AD			10/28/98
10/28/98	141-142	DHW	12	AD	10/27/98		
10/28/98	142-143	DHW	21	AD	10/27/98		
10/28/98	143-144	DHW	62	AD	10/27/98		10/28/98
10/30/98	136-145	DHW	640	AD	10/30/98		11/1/98
10/30/98	145-146	DHW	22	AD	10/30/98		11/1/98
10/31/98	145-147	DHW	674	AD	11/1/98		11/1/98
10/31/98	146-147	DHW	27	AD	11/1/98		
10/31/98	147-148	DHW	724	AD	11/1/98		11/1/98
12/2/98	147-66	DHW	12	AD			12/3/98
10/31/98	148-149	DHW	551	AD	11/1/98		11/3/98
10/31/98	148-150	DHW	171	AD	11/1/98		
10/31/98	149-150	DHW	22	AD	11/1/98		11/2/98
10/31/98	149-151	DHW	551	DM	11/1/98		11/3/98
10/31/98	150-151	DHW	171	DM	11/1/98		11/3/98

Table F-3

**Field Seaming Testing Report
Town of Moreau, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
10/31/98	151-152	DHW	720	AD	11/1/98		11/3/98
11/30/98	151-61	DHW	11	AD			12/2/98
12/2/98	151-62	DHW	11	AD			12/3/98
10/31/98	152-153	DHW	682	AD	11/1/98		11/3/98
10/31/98	152-154	DHW	14	AD			11/3/98
11/30/98	152-277	DHW	22	AD			12/2/98
10/31/98	153-154	DHW	22	AD			11/3/98
10/31/98	153-155	DHW	678	DM	11/1/98		11/2/98
11/30/98	153-271	DHW	22	ET			12/2/98
10/31/98	154-155	DHW	17	DM	11/1/98		
10/31/98	155-156	DHW	685	AD	11/1/98		11/2/98
11/30/98	155-271	DHW	22	ET			12/2/98
10/31/98	156-157	DHW	664	DM	11/1/98		11/2/98
11/30/98	156-271	DHW	21	ET			12/2/98
10/31/98	157-158	DHW	656	AD	11/1/98		11/3/98
11/30/98	157-271	DHW	21	ET			12/2/98
11/1/98	158-159	DHW	639	DM	11/1/98		11/3/98
11/30/98	158-271	DHW	13	ET			12/2/98
11/1/98	159-160	DHW	626	AD	11/1/98		11/3/98
11/30/98	159-270	DHW	22	ET			12/8/98
11/1/98	160-161	DHW	617	AD	11/1/98		11/2/98
11/30/98	160-270	DHW	16	ET			12/8/98
11/2/98	161-162	DHW	565	AD	11/2/98		11/2/98
11/2/98	161-163	DHW	50	AD	11/2/98		
11/30/98	161-270	DHW	22	ET			12/8/98
11/2/98	162-163	DHW	22	AD	11/2/98		11/2/98
11/2/98	162-164	DHW	564	DM	11/2/98		11/2/98
11/29/98	162-270	DHW	9	AD			12/8/98
11/30/98	162-269	DHW	12	AD			12/8/98
11/2/98	163-164	DHW	25	DM	11/2/98		
11/2/98	164-165	DHW	573	AD	11/2/98		11/2/98
11/29/98	164-269	DHW	15	ET			12/8/98
11/29/98	165-256	DHW	7	ET			11/30/98
11/29/98	165-258	DHW	22	ET			11/30/98
11/29/98	165-262	DHW	22	ET			11/30/98
11/29/98	165-263	DHW	22	ET			11/30/98
11/29/98	165-264	DHW	22	ET			11/30/98
11/29/98	165-267	DHW	22	ET			11/30/98
11/29/98	165-268	DHW	22	ET			11/30/98
11/29/98	165-269	DHW	22	ET			
12/3/98	165-281	DHW	365	AD	12/3/98	Partial	12/3/98
12/3/98	165-282	DHW	55	AD	12/3/98		12/3/98
11/5/98	166-167	DHW	305	AD	11/5/98		11/11/98
11/9/98	166-198	DHW	99	DM	11/9/98		
11/9/98	166-201	DHW	23	DM	11/9/98		11/11/98
11/9/98	166-205	DHW	23	DM	11/9/98	2	11/11/98
11/9/98	166-206	DHW	23	DM	11/9/98		11/11/98
11/9/98	166-208	DHW	23	DM	11/9/98		11/11/98
11/9/98	166-209	DHW	23	DM	11/9/98		11/11/98
11/9/98	166-211	DHW	23	DM	11/9/98		12/6/98
11/9/98	166-212	DHW	23	DM	11/9/98		12/6/98

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
11/9/98	166-214	DHW	23	DM	11/9/98		
11/14/98	166-305	DHW	11	DM			11/16/98
11/14/98	166-308	DHW	10	DM			11/16/98
12/4/98	166-304	DHW	17	AD			12/7/98
11/5/98	167-168	DHW	161	AD	11/5/98		
11/5/98	167-169	DHW	133	AD	11/5/98		
11/14/98	167-218	DHW	22	DM			11/16/98
11/5/98	168-169	DHW	22	AD	11/5/98		11/11/98
11/5/98	168-170	DHW	168	DM	11/5/98		11/11/98
11/5/98	169-170	DHW	153	DM	11/5/98		
11/14/98	169-218	DHW	5	DM			11/16/98
11/5/98	170-171	DHW	290	AD	11/5/98		11/11/98
11/5/98	170-174	DHW	43	DM	11/5/98		
11/5/98	171-172	DHW	292	AD	11/5/98		
11/5/98	171-174	DHW	22	DM	11/5/98		11/11/98
11/5/98	172-173	DHW	340	AD	11/5/98		11/11/98
11/5/98	172-174	DHW	44	AD	11/5/98		
11/14/98	172-220	DHW	22	DM	11/14/98		11/16/98
11/5/98	173-175	DHW	346	DM	11/5/98		11/11/98
11/14/98	173-220	DHW	22	DM	11/5/98		11/16/98
11/14/98	174-217	DHW	22	DM	11/5/98		
11/5/98	175-176	DHW	344	AD	11/5/98		11/12/98
11/14/98	175-221	DHW	22	DM	11/14/98	2	11/16/98
11/5/98	176-177	DHW	350	AD	11/5/98		11/12/98
11/14/98	176-219	DHW	22	DM	11/14/98		11/16/98
11/5/98	177-178	DHW	361	DM	11/5/98		11/12/98
11/14/98	177-219	DHW	22	DM	11/14/98		11/16/98
11/5/98	178-179	DHW	415	AD	11/5/98		11/12/98
11/14/98	178-219	DHW	22	DM			11/16/98
11/5/98	179-180	DHW	302	DM	11/5/98	Partial	11/12/98
11/5/98	179-181	DHW	143	DM	11/5/98	Partial	11/12/98
11/5/98	180-181	DHW	22	DM	11/6/98		11/12/98
11/5/98	180-182	DHW	322	AD	11/6/98	Partial	11/13/98
11/5/98	181-182	DHW	132	AD	11/6/98		
11/6/98	182-183	DHW	474	AD	11/6/98		11/13/98
11/6/98	183-184	DHW	260	DM	11/6/98		11/12/98
11/6/98	183-185	DHW	132	DM	11/6/98		
11/6/98	183-186	DHW	104	DM	11/6/98		11/13/98
11/6/98	184-185	DHW	22	AD	11/6/98		11/12/98
11/6/98	184-187	DHW	277	AD	11/6/98		11/12/98
11/6/98	185-186	DHW	22	AD	11/6/98		11/12/98
11/6/98	185-187	DHW	132	AD	11/6/98		11/12/98
11/6/98	186-187	DHW	105	AD	11/6/98		
11/6/98	187-188	DHW	557	DM	11/6/98		11/12/98
11/6/98	188-189	DHW	567	AD	11/6/98	3	11/12/98
11/6/98	189-190	DHW	569	DM	11/6/98		11/12/98
11/6/98	190-191	DHW	566	AD	11/6/98		11/12/98
11/7/98	191-192	DHW	571	DM	11/7/98		11/12/98
11/7/98	192-193	DHW	568	DM	11/7/98		11/12/98
11/7/98	193-194	DHW	574	DM	11/7/98		11/12/98
11/7/98	194-195	DHW	575	DM	11/7/98	2	11/12/98

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
11/7/98	195-196	DHW	582	AD	11/7/98	2	11/12/98
11/7/98	196-197	DHW	586	AD	11/7/98		11/12/98
11/18/98	197-222	DHW	585	DM	11/19/98		11/24/98
11/9/98	198-199	DHW	52	DM	11/9/98		11/12/98
11/9/98	198-201	DHW	23	DM	11/9/98		11/11/98
11/9/98	199-200	DHW	84	DM	11/9/98	Partial	11/12/98
11/9/98	199-201	DHW	23	DM	11/9/98		11/12/98
11/9/98	200-201	DHW	23	DM	11/9/98		
11/9/98	200-202	DHW	23	DM	11/9/98		11/12/98
11/9/98	200-203	DHW	23	DM	11/9/98		11/12/98
11/9/98	200-204	DHW	29	DM	11/9/98	Partial	11/12/98
11/9/98	201-202	DHW	38	DM	11/9/98		
11/9/98	201-205	DHW	111	DM	11/9/98		11/12/98
11/9/98	202-203	DHW	40	DM	11/9/98		
11/9/98	203-204	DHW	31	DM	11/9/98	2	11/12/98
11/9/98	205-206	DHW	112	DM	11/9/98		
11/9/98	206-207	DHW	109	DM	11/9/98		
11/9/98	206-208	DHW	11	DM	11/9/98		
11/9/98	207-208	DHW	22	DM	11/9/98		11/11/98
11/9/98	207-209	DHW	95	DM	11/9/98		11/12/98
11/9/98	208-209	DHW	17	DM	11/9/98		
11/9/98	209-210	DHW	87	DM	11/9/98		
11/9/98	209-211	DHW	27	DM	11/9/98		
11/9/98	210-211	DHW	22	DM	11/9/98		11/11/98
11/9/98	210-212	DHW	73	DM	11/9/98		
11/9/98	211-212	DHW	37	DM	11/9/98		
11/9/98	212-213	DHW	87	DM	11/9/98		
11/9/98	212-214	DHW	25	DM	11/9/98		12/6/98
11/9/98	213-214	DHW	22	DM	11/9/98		12/6/98
12/4/98	213-304	DHW	42	AD	12/6/98		12/6/98
12/4/98	213-306	DHW	17	AD	12/6/98		12/6/98
12/4/98	214-304	DHW	34	AD	12/6/98		12/6/98
11/9/98	215-216	DHW	54	DM	11/9/98		
12/4/98	7-308	DHW	18	AD			12/6/98
12/4/98	216-309	DHW	18	AD			12/6/98
11/14/98	217-218	DHW	32	DM			11/16/98
11/14/98	217-219	DHW	135	DM	11/16/98		11/16/98
11/16/98	217-220	DHW	58	DM	11/16/98		
11/16/98	217-221	DHW	26	DM	11/16/98		11/16/98
12/4/98	217-179	DHW	17	AD			12/6/98
11/16/98	219-221	DHW	10	DM	11/16/98		
11/16/98	220-221	DHW	10	DM	11/16/98		
11/18/98	222-223	DHW	256	DM	11/19/98		11/24/98
11/18/98	222-224	DHW	329	DM	11/19/98		
11/18/98	223-224	DHW	22	AD	11/19/98		11/24/98
11/18/98	223-225	DHW	172	DM	11/19/98		11/24/98
11/18/98	223-226	DHW	87	AD	11/19/98		11/26/98
11/18/98	224-226	DHW	322	AD	11/19/98	2	11/24/98
11/19/98	224-226A	DHW	4	AD			11/23/98
11/18/98	225-226	DHW	22	AD	11/19/98		11/24/98
11/19/98	225-227	DHW	179	AD	11/20/98		

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
11/19/98	226-226A	DHW	22	AD			11/23/98
11/19/98	226-227	DHW	184	AD	11/20/98	3	11/24/98
11/19/98	226-228	DHW	227	AD	11/20/98		
11/19/98	226A-228	DHW	2	AD			11/23/98
11/19/98	227-228	DHW	22	AD	11/20/98		11/24/98
11/19/98	227-229	DHW	364	AD	11/20/98		11/24/98
11/19/98	228-229	DHW	169	AD	11/20/98		11/24/98
11/19/98	228-230	DHW	59	AD	11/20/98		
11/19/98	229-230	DHW	22	AD	11/20/98		11/24/98
11/19/98	229-231	DHW	195	AD	11/20/98		
11/19/98	229-232	DHW	243	AD	11/20/98		
11/19/98	229-233	DHW	110	AD	11/20/98		11/24/98
11/19/98	230-233	DHW	60	AD	11/20/98		
11/19/98	231-232	DHW	22	AD	11/20/98		11/24/98
11/20/98	231-234	DHW	172	AD	11/21/98	4	11/24/98
11/20/98	231-235	DHW	32	AD	11/21/98		
11/19/98	232-233	DHW	22	AD	11/21/98		11/24/98
11/20/98	232-235	DHW	243	AD	11/21/98		11/24/98
11/20/98	233-235	DHW	172	AD	11/21/98	Partial	11/24/98
11/23/98	234-235	DHW	22	AD	11/21/98		11/24/98
11/23/98	234-236	DHW	191	AD	11/23/98		11/24/98
11/23/98	235-236	DHW	131	AD	11/23/98		
11/23/98	235-237	DHW	142	AD	11/23/98		
11/23/98	235-238	DHW	109	AD	11/23/98		
11/23/98	235-239	DHW	67	AD	11/23/98		11/24/98
11/23/98	236-237	DHW	22	AD	11/23/98		11/24/98
11/23/98	236-240	DHW	150	AD	11/23/98		
11/23/98	236-241	DHW	174	AD	11/23/98		11/24/98
11/23/98	237-238	DHW	22	AD	11/23/98		11/24/98
11/23/98	237-241	DHW	141	AD	11/23/98		
11/23/98	238-239	DHW	22	AD	11/23/98		11/24/98
11/23/98	238-241	DHW	111	AD	11/23/98		
11/23/98	239-241	DHW	68	AD	11/23/98		
11/23/98	240-241	DHW	22	AD	11/23/98		11/25/98
11/25/98	240-242	DHW	149	AD	11/25/98	2	11/30/98
11/25/98	241-242	DHW	40	AD	11/25/98		
11/25/98	241-243	DHW	274	AD	11/25/98	2	11/30/98
11/25/98	241-244	DHW	184	AD	11/25/98		
11/25/98	242-243	DHW	22	ET	11/25/98		11/30/98
11/25/98	242-245	DHW	168	ET	11/25/98		11/30/98
11/25/98	243-244	DHW	22	ET	11/25/98		11/30/98
11/25/98	243-246	DHW	274	ET	11/25/98	2	11/30/98
11/25/98	244-246	DHW	187	ET	11/25/98		11/30/98
11/25/98	245-246	DHW	22	ET	11/25/98	Partial	11/30/98
11/25/98	245-247	DHW	160	AD	11/25/98	2	11/30/98
11/25/98	246-247	DHW	123	AD	11/25/98		
11/25/98	246-248	DHW	360	AD	11/25/98		11/30/98
11/25/98	247-248	DHW	22	AD	11/25/98		11/30/98
11/28/98	247-249	DHW	286	AD	11/29/98	3	11/30/98
11/28/98	248-249	DHW	26	AD	11/29/98		
11/28/98	248-250	DHW	340	AD	11/29/98	2	11/30/98

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
11/28/98	249-250	DHW	22	AD	11/29/98		11/30/98
11/28/98	249-251	DHW	303	ET	11/29/98		11/30/98
11/28/98	250-251	DHW	340	ET	11/29/98	Partial	11/30/98
11/28/98	251-252	DHW	618	AD	11/29/98	2	11/30/98
11/28/98	252-253	DHW	618	ET	11/29/98	2	11/30/98
11/28/98	253-254	DHW	615	ET	11/29/98	2	11/30/98
11/29/98	254-255	DHW	598	ET	11/29/98	Partial/3	11/30/98
11/30/98	254-272	DHW	11	ET			12/2/98
11/30/98	254-274	DHW	10	ET			12/2/98
11/29/98	255-256	DHW	445	ET	11/29/98	2	11/30/98
11/29/98	255-259	DHW	29	ET			11/30/98
11/29/98	255-265	DHW	24	ET			11/30/98
11/30/98	255-269	DHW	35	AD	12/2/98		12/2/98
11/30/98	255-270	DHW	47	AD	12/2/98		12/2/98
11/30/98	255-271	DHW	12	AD			12/2/98
11/30/98	255-272	DHW	10	ET			12/2/98
11/29/98	256-257	DHW	330	AD	11/29/98	2	11/30/98
11/29/98	256-258	DHW	102	AD	11/29/98		11/30/98
11/29/98	256-259	DHW	16	ET			11/30/98
11/29/98	257-258	DHW	22	AD	11/29/98		11/30/98
11/29/98	257-260	DHW	321	AD	11/29/98		
11/29/98	258-260	DHW	87	AD	11/29/98		11/30/98
11/29/98	258-263	DHW	15	AD			11/30/98
11/29/98	259-265	DHW	15	ET			12/2/98
11/29/98	260-261	DHW	365	ET	11/30/98	2	11/30/98
11/29/98	260-262	DHW	31	ET	11/30/98		
11/29/98	260-263	DHW	22	ET			11/30/98
11/29/98	261-262	DHW	22	AD			11/30/98
11/29/98	261-264	DHW	360	AD	11/30/98	2	11/30/98
11/29/98	262-263	DHW	15	AD			11/30/98
11/29/98	262-264	DHW	48	AD	11/30/98		
11/29/98	264-266	DHW	365	AD	11/30/98	2	11/30/98
11/29/98	264-267	DHW	31	AD	11/30/98		
11/30/98	265-269	DHW	15	AD			12/2/98
11/29/98	266-267	DHW	22	AD	11/30/98		11/30/98
11/29/98	266-268	DHW	358	ET	11/30/98	3	11/30/98
11/29/98	267-268	DHW	32	ET	11/30/98		
12/3/98	268-282	DHW	22	AD	12/3/98		12/6/98
12/3/98	268-283	DHW	22	AD	12/3/98		12/6/98
12/3/98	268-284	DHW	30	AD	12/3/98		
12/3/98	268-285	DHW	305	ET	12/3/98	4	12/6/98
11/30/98	269-270	DHW	13	ET	12/2/98		12/2/98
11/30/98	270-271	DHW	11	ET			12/3/98
11/30/98	271-272	DHW	77	ET	12/2/98		12/3/98
11/30/98	271-273	DHW	32	AD	12/2/98		12/3/98
12/2/98	271-276	DHW	18	AD	12/2/98		12/3/98
12/2/98	271-277	DHW	20	AD	12/2/98		12/3/98
11/30/98	272-273	DHW	22	ET	12/2/98		12/3/98
11/30/98	272-274	DHW	46	ET	12/2/98		12/3/98
11/30/98	272-275	DHW	29	ET	12/2/98		12/3/98
11/30/98	273-275	DHW	25	ET	12/2/98		12/6/98

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
12/2/98	273-276	DHW	21	ET	12/2/98		12/6/98
11/30/98	274-275	DHW	12	AD			12/3/98
12/2/98	275-276	DHW	25	ET			12/6/98
12/2/98	276-277	DHW	2	AD			12/6/98
12/2/98	276-278	DHW	22	AD	12/2/98		12/3/98
12/2/98	276-279	DHW	14	AD	12/2/98		12/3/98
12/2/98	277-278	DHW	59	ET	12/3/98		
12/2/98	278-279	DHW	34	AD	12/3/98		12/3/98
12/2/98	278-278B	DHW	59	ET			12/3/98
12/2/98	278-280	DHW	25	ET	12/3/98		12/3/98
12/2/98	279-280	DHW	5	AD	12/3/98		12/3/98
12/3/98	281-282	DHW	22	ET	12/3/98		12/6/98
12/3/98	281-283	DHW	348	ET	12/3/98		12/6/98
12/3/98	282-283	DHW	58	AD	12/3/98		
12/3/98	283-285	DHW	22	AD	12/3/98		12/6/98
12/3/98	283-286	DHW	22	AD	12/3/98		12/6/98
12/3/98	283-287	DHW	22	AD	12/3/98		12/6/98
12/3/98	283-288	DHW	22	AD			12/6/98
12/3/98	283-289	DHW	22	AD			12/6/98
12/3/98	283-296	DHW	22	AD			12/6/98
12/3/98	283-293	DHW	22	AD			12/6/98
12/3/98	283-295	DHW	22	AD			12/6/98
12/5/98	283-314	DHW	7	AD			12/7/98
12/5/98	283-315	DHW	32	AD			12/7/98
12/5/98	283-316	DHW	30	AD			12/7/98
12/5/98	283-317	DHW	2	AD			12/7/98
12/5/98	283-318	DHW	28	AD			12/7/98
12/5/98	283-319	DHW	30	AD			12/7/98
12/5/98	283-320	DHW	31	AD			12/7/98
12/3/98	284-285	DHW	22	AD	12/3/98		12/7/98
12/3/98	284-286	DHW	303	ET	12/3/98	3	12/7/98
12/3/98	285-286	DHW	29	AD	12/3/98		
12/3/98	286-287	DHW	332	AD	12/3/98	2	12/7/98
12/3/98	287-288	DHW	324	AD	12/3/98	3	12/7/98
12/3/98	288-289	DHW	327	ET	12/4/98	3	12/7/98
12/3/98	289-290	DHW	110	AD	12/4/98	3	12/7/98
12/3/98	289-291	DHW	96	AD	12/4/98	2	12/7/98
12/3/98	289-292	DHW	117	AD	12/4/98		12/7/98
12/3/98	290-291	DHW	22	ET	12/4/98		12/7/98
12/3/98	290-293	DHW	103	ET	12/4/98		
12/3/98	291-292	DHW	22	ET	12/4/98		12/7/98
12/3/98	291-293	DHW	96	ET	12/4/98		
12/3/98	292-293	DHW	117	ET	12/4/98	2	12/7/98
12/3/98	293-294	DHW	205	AD	12/4/98	5	12/7/98
12/3/98	293-295	DHW	95	AD	12/4/98		
12/4/98	294-295	DHW	22	ET	12/4/98		12/7/98
12/4/98	294-296	DHW	159	ET	12/4/98		
12/4/98	294-297	DHW	26	ET	12/4/98	2	12/7/98
12/4/98	295-296	DHW	97	AD	12/4/98		12/7/98
12/4/98	296-297	DHW	22	AD	12/4/98		12/7/98
12/4/98	297-298	DHW	26	AD	12/4/98		12/7/98

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
12/4/98	297-299	DHW	28	AD	12/4/98		12/7/98
12/4/98	297-300	DHW	29	AD	12/4/98		12/7/98
12/4/98	297-301	DHW	30	AD	12/4/98		12/7/98
12/4/98	296-302	DHW	18	AD	12/4/98		12/7/98
12/4/98	297-301	DHW	9	ET	12/4/98		12/7/98
12/5/98	296-310	DHW	30	ET			12/7/98
12/5/98	296-311	DHW	32	ET			12/7/98
12/5/98	296-312	DHW	30	ET			
12/5/98	296-313	DHW	20	ET			
12/4/98	298-299	DHW	16	AD	12/4/98		
12/4/98	299-300	DHW	36	AD	12/4/98		
12/4/98	300-301	DHW	58	AD	12/4/98		12/7/98
12/4/98	301-302	DHW	79	ET	12/4/98		
12/4/98	301-303	DHW	4	ET	12/4/98		12/7/98
12/4/98	302-303	DHW	22	ET	12/4/98		12/7/98
12/5/98	302-310	DHW	99	AD	12/5/98	2	12/7/98
12/4/98	303-310	DHW	3	AD			12/7/98
12/4/98	304-305	DHW	67	ET	12/6/98		12/7/98
12/4/98	304-306	DHW	22	ET	12/6/98		12/7/98
12/4/98	304-307	DHW	16	ET			12/7/98
12/4/98	305-307	DHW	22	AD	12/6/98		12/7/98
12/4/98	305-308	DHW	21	AD	12/6/98		12/7/98
12/4/98	305-309	DHW	21	AD	12/6/98		12/7/98
12/4/98	308-309	DHW	4	AD	VBOX		12/7/98
12/5/98	310-311	DHW	126	ET	12/5/98		
12/5/98	311-312	DHW	138	AD	12/5/98	2	12/7/98
12/5/98	312-313	DHW	159	ET	12/5/98		
12/5/98	313-314	DHW	167	AD	12/5/98		
12/5/98	314-315	DHW	137	ET	12/5/98		12/7/98
12/5/98	315-316	DHW	104	AD	12/6/98		
12/5/98	316-317	DHW	59	ET	12/6/98		
12/5/98	317-318	DHW	20	AD	12/6/98		12/7/98
12/5/98	317-319	DHW	55	AD	12/6/98		12/7/98
12/5/98	319-320	DHW	27	AD	12/6/98		

[1] DHW-- Dual Hot Wedge, EXT-- Extrusion Weld

[2] Indicates that there were leaks (later repaired & vacuum tested) in that seam. Air test sections between repair locations.

SOUTHSIDE SLOPE RECONSTRUCTION							
Seam Date	Seam Number	Seaming Process [1]	Length of Seam (ft)	Seamer Initials	Air Test	Number of Sections Air Tested [2]	Vacuum Box Passed Test Date
11/3/99	EXIST-CR1	EXT	192	CC			11/5/99
11/3/99	CR1-CR2	EXT	130	BB	11/4/99	1	
11/3/99	CR1-CR2	EXT	56	BB	11/4/99	1	
11/4/99	CR2-CR3	EXT	199	BB	11/4/99		
11/4/99	CR3-CR4	EXT	210	BB	11/4/99		
11/4/99	CR4-CR5	EXT	222	BB	11/4/99		

Table F-3

**Field Seaming Testing Report
Town of Moreu, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
11/4/99	CR5-CR6	EXT	223	BB	11/4/99		
11/4/99	CR6-CR7	EXT	235	BB	11/4/99		
11/4/99	CR7-CR8	EXT	246	BB	11/5/99		
11/4/99	CR8-CR9	EXT	257	BA	11/5/99		
11/5/99	EXIST-CR9	EXT	22	BB			11/5/99
11/5/99	EXIST-CR8	EXT	22	BB			11/5/99
11/5/99	EXIST-CR6	EXT	22	BB			11/5/99
11/5/99	EXIST-CR5	EXT	22	BB			11/5/99
11/5/99	EXIST-CR4	EXT	22	BB			11/5/99
11/5/99	EXIST-CR3	EXT	22	BB			11/5/99
11/5/99	EXIST-CR2	EXT	22	BB			11/5/99
11/17/99	CR10-CR11	EXT	181	BB	11/18/99		
11/17/99	CR11-CR12	EXT	186	BB	11/18/99		
11/17/99	CR12-CR13	EXT	192	BB	11/18/99		
11/17/99	CR13-CR14	EXT	197	BB	11/18/99		
11/17/99	CR14-CR15	EXT	197	BB	11/18/99		
11/18/99	CR15-CR16	EXT	186	BB	11/18/99		
11/18/99	CR17-CR18	EXT	11	BB	11/18/99	1	
11/18/99	CR17-CR18	EXT	11	BB	11/18/99	1	
11/18/99	CR16-CR18	EXT	57	CC	11/18/99		
11/18/99	CR16-CR17	EXT	129	CC	11/18/99		
11/18/99	CR18-CR19	EXT	57	BB	11/18/99		
11/18/99	CR17-CR19	EXT	178	BB	11/18/99		
11/18/99	CR19-CR20	EXT	160	CC	11/18/99	1	
11/18/99	CR19-CR20	EXT	105	CC	11/18/99	1	
11/18/99	CR20-CR21	EXT	286	BB	11/18/99		
11/18/99	CR21-CR22	EXT	299	CC	11/18/99		
11/18/99	CR22-CR23	EXT	307	BB	11/18/99		
11/18/99	CR23-CR24	EXT	25	BB	11/18/99	1	
11/18/99	CR23-CR24	EXT	284	BB	11/18/99	1	
11/18/99	CR25-CR26	EXT	22	CC	11/18/99		
11/18/99	CR24-CR26	EXT	172	BB	11/18/99		
11/18/99	CR24-CR25	EXT	132	BB	11/18/99		
11/18/99	CR26-CR27	EXT	172	CC	11/18/99		
11/18/99	CR25-CR27	EXT	128	CC	11/18/99		
11/18/99	CR27-CR28	EXT	296	BB	11/19/99		
11/19/99	CR28-CR29	EXT	139	BB	11/19/99		
11/19/99	CR29-CR30	EXT	22	CC			11/19/99
11/19/99	CR29-CR31	EXT	139	CC	11/19/99		
11/19/99	CR30-CR31	EXT	148	CC	11/19/99		
11/19/99	CR31-CR32	EXT	286	BB	11/19/99		
11/19/99	CR32-CR33	EXT	280	CC	11/19/99		
11/19/99	CR33-CR34	EXT	272	BB	11/19/99		
11/19/99	CR28-CR30	EXT	146	BB	11/19/99		
11/19/99	CR34-CR35	EXT	220	CC	11/19/99		
11/19/99	CR35-CR36	EXT	22	CC			11/19/99
11/19/99	CR35-CR37	EXT	220	BB	11/19/99		
11/19/99	CR36-CR37	EXT	51	BB	11/19/99		
11/19/99	CR37-CR38	EXT	267	CC	11/19/99		
11/19/99	CR39-CR40	EXT	181	BB	11/19/99		
11/19/99	CR38-CR40	EXT	83	BB	11/19/99		

Table F-3

**Field Seaming Testing Report
Town of Moreau, N.Y.**

Seam Date	Seam Number	Seaming Process [1]	of Seam (ft)	Seamer Initials	Air Test	Sections Air Tested [2]	Passed Test Date
11/19/99	CR40-CR9	EXT	83	CC			11/19/99
11/19/99	CR39-CR9	EXT	184	CC	11/19/99		

Table F-4

Laboratory Destructive Test Log
Town of Moreau, N.Y.

Requirements	Peel	Shear
Average	>= 50lb/in	>= 60 lb/in
All Tests	>= 48 lb/in	>= 55 lb/in

Destructive Test (D Number)	Seam No.	Seamer Initials	Report Date	Average Peel (lb/in)		Minimum Peel (lb/in)		Shear	
				Sample A	Sample B	Sample A	Sample B	Avg	Min
D54	92-93	DAM	26-Oct-98	77	76	77	74	83	82
D55	93-94	AD	26-Oct-98	79	79	76	77	87	86
D56	94-95	DAM	26-Oct-98	80	77	76	75	85	83
D57	96-97	AD	28-Oct-98	79	80	75	78	87	84
D58	96-98	AD	28-Oct-98	77	79	74	77	87	84
D59	99-100	DAM	28-Oct-98	77	82	75	79	88	85
D60	104-105	DAM	28-Oct-98	82	81	77	79	89	87
D61	112-113	AD	28-Oct-98	76	78	74	76	86	84
D62	117-118	DAM	28-Oct-98	78	79	76	78	88	85
D63	120-121	AD	28-Oct-98	77	79	76	75	89	88
D64	97-124	DAM	28-Oct-98	76	78	67	74	84	80
D65	125-127	AD	28-Oct-98	79	80	75	78	87	81
D66	129-130	AD	28-Oct-98	76	81	70	77	87	85
D64N	97-124	DAM	30-Oct-98	74	77	66	72	85	81
D67	63-148	DAM	4-Nov-98	88	88	87	87	95	93
D68	136-145	AD	4-Nov-98	81	80	80	63	93	92
D69	145-147	AD	4-Nov-98	80	84	77	83	92	88
D70	147-148	DAM	4-Nov-98	85	83	83	81	91	87
D71	147-148	DAM	4-Nov-98	82	84	81	82	91	84
D72	148-149	AD	4-Nov-98	83	85	80	83	93	89
D73	149-151	DAM	4-Nov-98	82	83	80	82	92	90
D74	150-151	DAM	4-Nov-98	79	82	76	79	94	92
D75	151-152	AD	4-Nov-98	82	85	79	83	92	88
D76	151-152	AD	3-Nov-98	84	85	83	84	92	90
D77	152-153	AD	3-Nov-98	83	83	79	81	91	87
D78	153-155	DAM	3-Nov-98	81	83	80	77	90	87
D79	153-155	DAM	3-Nov-98	83	81	79	79	91	85
D80	155-156	AD	3-Nov-98	82	80	80	77	89	88
D81	156-157	DAM	3-Nov-98	79	82	77	79	91	91
D82	156-157	DAM	3-Nov-98	80	76	79	73	87	84
D83	157-158	AD	3-Nov-98	82	83	81	81	90	88
D84	158-159	AD	3-Nov-98	81	81	79	80	89	85
D85	158-159	DAM	3-Nov-98	81	81	79	78	91	88
D86	159-160	DAM	3-Nov-98	82	82	76	79	90	87
D87	159-160	DAM	3-Nov-98	81	83	78	81	91	88
D88	160-161	AD	3-Nov-98	82	82	80	79	90	88
D89	161-162	AD	6-Nov-98	84	83	83	80	94	92
D90	161-162	AD	6-Nov-98	85	84	82	82	94	90
D64-3	97-124	DAM	4-Nov-98	78	81	74	79	88	87
D64-4	97-124	DAM	4-Nov-98	76	79	72	76	91	89
D91	162-164	DAM	6-Nov-98	85	83	83	80	94	88
D92	162-164	DAM	6-Nov-98	84	85	83	85	95	92
D93	164-165	AD	6-Nov-98	84	83	82	80	93	91
D94	164-165	AD	6-Nov-98	81	82	79	80	89	86
D95	166-167	AD	10-Nov-98	82	82	82	79	89	87
D96	168-170	AD	10-Nov-98	85	83	81	81	96	93
D97	170-171	AD	10-Nov-98	84	84	82	82	97	95
D98	172-173	AD	10-Nov-98	84	84	82	82	97	95
D99	173-175	DAM	10-Nov-98	78	84	65	82	95	93
D100	176-177	AD	10-Nov-98	83	83	79	82	92	87
D101	177-178	DAM	10-Nov-98	83	84	82	82	94	92
D102	178-179	AD	10-Nov-98	83	82	81	79	96	91
D103	179-180	DAM	10-Nov-98	83	84	82	82	99	97
D104	182-183	AD	10-Nov-98	85	84	83	82	94	93

Table F-4

Laboratory Destructive Test Log
Town of Moreau, N.Y.

Requirements	Peel	Shear
Average	>= 50lb/in	>= 60 lb/in
All Tests	>= 48 lb/in	>= 55 lb/in

Destructive Test (D Number)	Seam No.	Seamer Initials	Report Date	Average Peel (lb/in)		Minimum Peel (lb/in)		Shear	
				Sample A	Sample B	Sample A	Sample B	Avg	Min
D105	183-184	DAM	10-Nov-98	85	85	77	83	96	92
D106	183-186	DAM	10-Nov-98	85	85	82	83	97	95
D107	184-187	AD	10-Nov-98	85	84	83	81	96	94
D108	187-188	DAM	10-Nov-98	84	84	82	82	92	86
D109	188-189	AD	10-Nov-98	81	82	80	79	95	88
D110	189-190	DAM	13-Nov-99	88	86	85	84	96	94
D111	189-190	DAM	13-Nov-99	86	84	82	75	94	91
D112	191-192	DAM	13-Nov-99	84	86	82	83	96	93
D113	192-193	DAM	13-Nov-99	87	86	86	84	94	92
D114	193-194	TS	13-Nov-99	83	83	80	80	93	88
D115	194-195	TS	13-Nov-99	84	85	82	82	92	89
D116	195-196	DAM	13-Nov-99	84	85	78	83	92	90
D117	195-196	DAM	13-Nov-99	87	85	86	83	93	91
D118	196-197	AD	13-Nov-99	85	80	82	76	92	90
D119	198-199	DAM	11-Nov-99	82	85	77	84	90	88
D120	201-205	DAM	11-Nov-99	84	84	83	82	92	88
D121	207-209	DAM	11-Nov-99	86	85	82	82	94	91
D122	212-214	DAM	11-Nov-99	84	84	79	82	92	91
D123	190-191	AD	13-Nov-98	82	83	79	82	91	89
D124	217-221	DAM	18-Nov-98	81	81	78	80	90	87
D125	197-222	DAM	20-Nov-98	82	82	81	79	92	90
D126	222-223	DAM	20-Nov-98	84	82	80	78	91	88
D127	222-224	DAM	20-Nov-98	84	82	79	81	93	90
D128	223-226	DAM	20-Nov-98	77	81	74	80	89	87
D129	226-227	AD	24-Nov-99	79	78	77	74	85	83
D130	228-229	DAM	24-Nov-99	83	83	82	82	93	90
D131	227-229	DAM	24-Nov-99	81	81	78	77	88	82
D132	229-232	AD	24-Nov-99	84	83	81	81	92	90
D133	233-235	AD	25-Nov-99	79	82	77	78	87	83
D134	234-236	AD	25-Nov-99	84	85	82	84	90	87
D135	235-239	AD	25-Nov-99	81	80	79	78	89	83
D136	236-241	AD	25-Nov-99	77	81	73	78	88	82
D137	241-243	AD	30-Nov-99	78	79	76	77	85	82
D138	244-246	ET	30-Nov-99	80	80	77	79	88	84
D139	242-245	ET	30-Nov-99	81	82	76	79	90	87
D140	246-248	AD	30-Nov-99	78	80	76	79	87	86
D141	248-250	RV	1-Dec-98	80	81	78	78	91	85
D142	249-251	ET	1-Dec-98	82	80	81	78	89	87
D143	250-251	ET	1-Dec-98	81	78	79	77	90	86
D144	251-252	ET	1-Dec-98	81	81	78	79	90	88
D145	252-253	ET	1-Dec-98	80	81	78	74	90	88
D146	253-254	RV	1-Dec-98	79	82	76	80	86	80
D147	254-255	ET	1-Dec-98	80	79	78	77	89	88
D148	254-255	ET	1-Dec-98	79	83	78	80	90	87
D149	256-257	AD	1-Dec-98	77	80	76	79	89	87
D150	258-260	AD	1-Dec-98	80	78	77	73	88	86
D151	260-261	ET	1-Dec-98	78	79	73	77	86	84
D152	261-264	AD	1-Dec-98	81	78	79	75	89	85
D153	264-266	AD	3-Dec-98	81	77	79	75	89	86
D154	266-268	ET	3-Dec-98	81	77	79	75	89	86
D155	271-272	AD	3-Dec-98	81	79	77	77	90	88
D156	165-281	AD	8-Dec-98	86	85	85	83	90	87
D157	281-283	ET	8-Dec-98	82	83	80	81	89	88
D158	268-284	AD	8-Dec-98	84	84	84	82	90	87

Table F-4

**Laboratory Destructive Test Log
Town of Moreau, N.Y.**

Requirements	Peel	Shear
Average	>= 50lb/in	>= 60 lb/in
All Tests	>= 48 lb/in	>= 55 lb/in

Destructive Test (D Number)	Seam No.	Seamer Initials	Report Date	Average Peel (lb/in)		Minimum Peel (lb/in)		Shear	
				Sample A	Sample B	Sample A	Sample B	Avg	Min
D159	286-287	AD	8-Dec-98	83	83	82	76	96	94
D160	287-288	AD	8-Dec-98	82	85	80	84	93	89
D161	288-289	ET	8-Dec-98	83	82	82	79	91	90
D162	292-293	ET	8-Dec-98	81	85	80	83	91	88
D163	293-295	AD	8-Dec-98	85	84	83	83	93	90
D164	298-299	AD	8-Dec-98	86	84	84	81	91	88
D165	300-301	AD	8-Dec-98	83	84	77	83	90	86
D166	311-312	AD	8-Dec-98	79	75	76	64	87	78
D167	314-315	AD	8-Dec-98	81	81	79	80	91	89
D168	317-319	ET	8-Dec-98	82	84	78	82	91	89

NOTE: ALL RESULTS WERE FTB WITH THE EXCEPTION OF DS-64 (SHADED). SHADED AREAS FAILED TEST. SEAM 97-124 (DS-64)-- RETEST ON EITHER SIDE OF DS-64 WITH TESTS DS-64N, DS-64-3, & DS-64-4.

SOUTHSIDE SLOPE RECONSTRUCTION

Destructive Test (DT Number)	Seam No.	Seamer Initials	Report Date	Average Peel (lb/in)		Minimum Peel (lb/in)		Shear	
				Sample A	Sample B	Sample A	Sample B	Avg	Min
DT1	CR3-CR4	BB	9-Nov-99	95	95	89	89	97	96
DT2	CR5-CR6	BB	9-Nov-99	97	94	96	90	96	94
DT3	CR7-CR8	BB	9-Nov-99	100	101	95	96	101	99
DT4	CR11-CR12	BB	22-Nov-99	97	97	93	92	103	98
DT5	CR13-CR14	BB	22-Nov-99	88	90	81	87	95	93
DT6	CR15-CR16	BB	22-Nov-99	86	88	82	85	91	88
DT7	CR18-CR19	BB	22-Nov-99	89	86	82	83	95	92
DT8	CR20-CR21	BB	22-Nov-99	90	93	84	88	96	93
DT9	CR22-CR23	BB	22-Nov-99	103	97	98	93	103	101
DT10	CR23-CR24	BB	22-Nov-99	98	96	94	86	103	100
DT11	CR24-CR26	BB	23-Nov-99	93	94	87	90	98	94
DT12	CR26-CR27	CC	23-Nov-99	94	94	91	89	98	97
DT13	CR27-CR28	BB	23-Nov-99	93	99	93	97	96	92
DT14	CR28-CR29	BB	23-Nov-99	90	89	88	83	92	91
DT15	CR30-CR31	CC	23-Nov-99	88	87	86	86	89	86
DT16	CR31-CR32	BB	23-Nov-99	89	88	84	85	88	86
DT17	CR32-CR33	CC	23-Nov-99	90	90	87	86	92	89
DT18	CR34-CR36	?	23-Nov-99	92	90	89	84	94	93
DT19	CR35-CR37	BB	23-Nov-99	87	91	85	88	92	90
DT20	CR37-CR38	CC	23-Nov-99	90	91	87	90	92	89
DT21	CR38-CR40	BB	23-Nov-99	95	94	92	92	93	91

**Geomembrane Repair Log Testing Report
Town of Moreau, N.Y.**

Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
1-2	FN	None Needed	
1-4	FN	JT 1-4-8; DS-1@9-13	10/15/98
1-8	FN	None Needed	
1-219	FE	EXT 4-7 JT 1-2-219	11/16/98
2-3	FN	None Needed	
2-219	FE	JT 2-3-219	11/16/98
3-9	FS	DS-2@160'-164'	10/15/98
3-219	FE	JT 3-9-219	11/16/98
4-5	FN	None Needed	
4-8	FE	JT 4-5-8	10/15/98
5-6	FN	None Needed	
5-8	FN	None Needed	
5-219	FE	JT 5-8-219	11/16/98
6-7	FN	None Needed	
6-219	FE	JT 5-6-219	11/16/98
7-215	FN	None Needed	
7-219	FW	EXT 0-5 JT 6-7-219	11/16/98
7-305	FW	JT 7-219-305, 7-215-308	12/7/98
7-308	FW	JT 7-215-308	
8-219	FW	JT 1-8-219	11/16/98
9-10	FN	PATCH @ 24' & 158 VBOX 0-24	11/16/98
9-219	FW	JT 9-219-221	11/16/98
9-221	FW	JT 9-10-221	11/16/98
10-11	FS	DS-3 @132-136	10/15/98
10-220	FW	JT 10-220-11	11/16/98
10-221	FW	JT 10-220-221	11/16/98
11-12	FN	PATCH 82, 91, 125 & 144	10/15/98
11-15	FN	DUAL SEAM/PATCH 0-24; JT 11-12-15	10/15/98
11-220	FW	None Needed	11/16/98
12-13	FS	DS-4@158-162	10/15/98
12-15	FE	JT 12-13-15	10/15/98
13-14	FN	None Needed	
13-15	FN	None Needed	10/15/98
13-178	FW	PATCH @ JT 13-14-178	11/14/98
13-220	FW	JT 13-178-220	11/16/98
14-16	FN	DS-5@12-16	10/15/98
14-17	FN	None Needed	
14-178	FW	PATCH @ 178 JT 14-178-179	11/14/98
14-179	FW	JT 14-17-179	11/14/98
15-220	FW	JT 13-15-220	11/16/98
16-17	FN	JT 14-16-17 ; 16-17-18	10/15/98
16-18	FN	None Needed	
17-18	FN	None Needed	
17-179	FW	JT 17-179-181	11/14/98
17-181	FW	JT 17-18-181	11/14/98
18-19	FN	DS-6@ 31-35; PATCH @ 168	10/15/98
18-181	FW	JT 18-181-182	11/14/98
18-182	FW	JT 18-182-183	11/14/98

**Geomembrane Repair Log Testing Report
Town of Moreau, N.Y.**

Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
18-183	FW	JT 18-19-183	11/14/98
19-20	FS	None Needed	
19-21	FN	DS-7@55-59	10/15/98
19-183	FW	JT 19-183-186	11/14/98
19-185	FW	JT 19-21-186	11/14/98
20-21	FW	JT 19-20-21; 20-21-22	10/15/98
20-22	FN	None Needed	
21-22	FN	None Needed	
21-186	FW	PATCH @ 1' & 16', JT 21-186-187	11/13/98
21-187	FW	JT 21-22-187	11/13/98
22-23	FN	DS-8@163-167	10/17/98
22-187	FW	JT 22-187-188	11/13/98
22-188	FW	JT 22-23-188	11/13/98
23-24	FS	PATCH @ 54'	10/14/98
23-188	FW	JT 18-188-189	11/13/98
23-189	FW	JT 23-24-189	11/13/98
24-25	FN	DS-9 @ 88-92'; JT 24-25-26	10/16/98
24-26	FS	None Needed	
24-189	FW	JT 24-189-190	11/13/98
24-190	FW	JT 24-26-190	11/13/98
25-26	FW	JT 25-26-27	10/16/98
25-27	FN	None Needed	
26-27	FS	FS PATCH @ ', 17-19,24-28,DS-10 @ 46-50 VBOX 0-9	10/17/98
26-190	FW	JT 26-190-191	11/13/98
26-191	FW	JT 26-27-191	11/13/98
27-28	FN	FN PATCH @ VENT 154'	10/18/98
27-191	FE	JT 27-191-192	11/14/98
27-192	FE	JT 27-28-192	11/14/98
28-29	FS	DS-11 @ 341-345, PATCH @ 351 VBOX 351-356	10/17/98
28-192	FW	JT 28-192-193	11/14/98
28-193	FW	JT28-29-193	11/14/98
29-30	FN	DS-12 @ 342-346 EXT 0-10, 15,19 VBOX 0-19	10/18/98
29-193	FE	JT 29-193-194	11/13/98
29-194	FE	JT 29-30-194	11/13/98
30-31	FN	JT 30-31-32; PATCH @152 DS-13 @ 5'-7'	10/18/98
30-32	FS	PATCH @ 13-16	10/17/98
30-194	FE	JT 30-194-195	11/14/98
30-195	FE	JT 30-32-195	11/14/98
31-32	FE	None Needed	
31-33	FS	PATCH @ 139-142; JT 31-33-34	10/17/98
31-34	FS	EXT @ 89-96; JT 31-32-34 VBOX 89-114	10/17/98
32-34	FS	PATCH @ 25-26	10/17/98
32-195	FE	JT 32-195-196	11/14/98
32-196	FE	JT 32-34-196	11/14/98
33-34	FE	JT 33-34-35	10/17/98
33-35	FN	PATCH @ 44, 52-53,57-59,61,66,78-80,88,94,	10/17/98
		(con't) 118-122,129,139,145-147,183-187,244 DS-14@ 205-207	
34-35	FE	None Needed	10/17/98

**Geomembrane Repair Log Testing Report
Town of Moreau, N.Y.**

Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
34-36	FN	PATCH @ 100, 121, 134,141, JT 34-35-36 EXT. 152-158	10/17/98
34-196	FW	JT 34-196-197 VBOX 100-158	11/13/98
34-197	FW	JT 34-36-197	11/13/98
35-36	FW	JT 35-36-37	10/17/98
35-37	FS	PATCH @ 33-37, 42 EXT 8-12, 17-22, 232-237	10/17/98
36-37	FS	PATCH @ 52-53 EXT 65-67 DS-15 @ 291-331	10/17/98
36-197	FW	JT 36-37-197	10/18/98
37-38	FN	DS-16 @ 277-282	10/18/99
37-197	FW	JT 36-37-197	11/24/98
37-222	FW	JT 37-38-222	11/24/98
38-39	FS	DS-18 @ 72-79	10/20/98
38-40	FS	DS-17 @ 80-85 JT 38-39-40	10/18/98
38-222	FW	JT 38-222-224	11/24/98
38-224	FW	JT 38-40-224 PATCH @ PANELS 38 & 224	11/24/98
39-40	FW	JT 38-39-40; 39-40-41	10/18/98
39-41	FN	DS-19 @ 62-66	10/18/98
40-41	FN	None Needed	
40-224	FW	JT 40-224-226A	11/24/98
40-226A	FW	JT 40-41-226A	11/24/98
41-42	FS	PATCH/EXT 70-81 DS-21 @ 110-114 DS-20 @ 407-411	10/20/98
41-43	FS	JT 41-42-43	10/18/98
41-228	FE	JT 41-43-228 PATCH @ PANELS 41-228	11/24/98
42-43	FE	JT 42-43-45	10/18/98
42-44	FN	None Needed	
42-45	FN	DS-22 @ 42-47 JT 42-44-45	10/18/98
43-45	FN	None Needed	
43-230	FW	JT 43-230-233	11/24/98
43-233	FW	JT 43-45-233	11/24/98
44-45	FW	None Needed	
44-46	FS	DS-23 @ 47-52; JT 44-45-46	10/18/98
45-46	FS	None Needed	
45-233	FW	JT 45-233-235	11/24/98
45-235	FW	JT 45-46-235	11/24/98
46-47	FN	DS-24 @ 26-30	10/18/98
46-235	FW	JT 46-235-239	11/24/98
46-239	FW	JT 46-47-239	11/24/98
47-48	FS	DS-25 @ 13-18; PATCH @ 347	10/20/98
47-239	FE	JT 47-239-241	11/24/98
47-241	FE	JT 47-48-241	11/24/98
47-244	FE	JT 47-244-253	12/2/98
48-49	FN	None Needed	
48-50	FN	DS-26 @ 13-17; ext@ 119-122,226-228, 176-181	10/18/98
48-244	FE	JT 48-241-244	11/25/98
48-246	FE	JT 48-50-246	11/25/98
49-50	FE	JT 48-49-50; 49-50-51	10/20/98
49-51	FS	DS-27 @ 16-21 PATCH @ 109	10/20/98
50-51	FS	None Needed	
50-246	FE	JT 50-246-248	12/2/98

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
50-248	FE	JT 50-51-248	12/2/98
51-52	FN	None Needed	
51-53	FN	DS-28 @ 19-23	10/18/98
51-248	FE	JT 51-248-250	12/2/98
51-250	FE	JT 51-53-250	12/2/98
52-53	FE	JT 51-52-53; 52-53-54	10/20/98
52-54	FS	DS-29@ 22-26	10/20/98
53-54	FS	None Needed	
53-55	FN	EXT 0-8' VBOX 0-8	10/20/98
53-250	FE	JT 53-250-251	12/2/98
53-251	FW	JT 53-55-251	12/2/98
54-55	FE	JT 53-54-55; 54-55-56	10/20/98
54-56	FN	DS-30 @ 4-8; EXT 458-475	10/20/98
55-56	FN	None Needed	
55-251	FW	JT 55-251-252	12/2/98
55-252	FW	JT 55-56-252	12/2/98
56-57	FS	EXT @ 16-17; DS-31@70-75	10/20/98
56-58	FS	None Needed	
56-252	FE	JT 56-252-253	12/2/98
56-253	FE	JT 56-58-253	12/2/98
57-58	FW	JT 56-57-58; 57-58-59; EXT 10-12	10/20/98
57-59	FS	PATCH @ 30-32	10/20/98
58-59	FS	DS-32 201-205	10/20/98
58-253	FE	JT @ PANELS 58-253; PATCH @ 254	12/2/98
58-254	FS	JT 58-59-254	12/2/98
58-274	FS	JT 58-274-275	12/2/98
58-275	FS	JT 58-59-275	12/2/98
59-60	FN	None Needed	
59-64	FN	None Needed	10/21/98
59-275	FE	None Needed	12/2/98
59-279	FN	None Needed	12/3/98
59-280	FE	None Needed	12/3/98
60-61	FS	DS-33 @ 223-228	10/21/98
60-64	FE	JT 59-60-64; 60-61-64	10/21/98
61-62	FS	DS-34 @ 27-31; PATCH @ 221-223; 286 318-320; EXT 320-330	10/21/98
61-64	FS	None Needed	10/21/98
61-277	FE	JT 61-62-277	12/8/98
61-278	FS	JT 61-64-278	12/8/98
62-63	FN	PATCH@ 49-51	10/21/98
62-147	FE	None Needed	11/1/98
62-271	FS	JT 62-147-271	12/8/98
63-65	FN	DS-35 @ 113-118, PATCH @ 291 EXT 298	10/22/98
63-145	FN	DS-67 @2-6	11/1/98
63-147	FW	None Needed	11/1/98
64-278	FE	PATCH @ JT 61-64-278	12/8/98
64-280	FE	None Needed	12/8/98
65-66	FS	DS-36 @ 61-66	10/22/98
65-136	FE	PATCH 11 3, JT 65-66-137	11/3/98

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
65-145	FN	EXT 4-8	11/3/98
66-67	FN	DS-37 @ 27-32 EXT 96-97	10/22/98
66-136	FE	JT 66-67-136	11/3/98
67-68	FS	DS-38 @ 172-176	10/22/98
67-136	FE	JT 67-68-136	11/3/98
68-69	FN	DS-39 @ 319-323	10/22/98
68-136	FE	JT 68-69-136-137	11/3/98
69-70	FS	None Needed	
69-137	FE	JT 69-70-137	11/3/98
70-71	FN	DS-40 @ 103-108; PATCH 288-293	10/22/98
70-137	FE	JT 70-71-137	11/3/98
71-72	FS	DS-41 @ 205-210	10/22/98
71-73	FS	None Needed	
71-136	FE	JT 71-136-137, 71-72-136	11/3/98
71-137	FE	None Needed	11/3/98
72-73	FE	JT 71-72-73; 72-73-74	10/23/98
72-74	FN	DS-42 @ 341-346	10/22/98
72-136	FE	PATCH @ 8, JT 72-74-136	11/3/98
73-74	FS	None Needed	
74-75	FS	PATCH 53, 149-152	10/23/98
74-76	FS	PATCH @ 8-13	10/22/98
74-77	FN	None Needed	
74-136	FE	PATCH @ VENT @ 3; JT 74-75-136	11/3/98
75-76	FE	JT 74-75-76; 75-76-78	10/22/98
75-78	FN	DS-43 @ 40-45	10/27/98
75-136	FE	JT 75-78-136	11/3/98
76-77	FE	JT 74-76-77; 76-77-78	10/22/98
76-78	FS	None Needed	
77-78	FS	None Needed	
78-79	FN	DS-45 @ 34-38	10/27/98
78-80	FN	DS-44 @ 20-24	10/23/98
78-136	FE	JT 78-79-136	11/3/98
79-80	FE	JT 78-79-80; 79-80-81	10/23/98
79-81	FN	None Needed	
79-136	FE	JT 79-81-136	11/3/98
80-81	FN	None Needed	
81-82	FN	None Needed	
81-83	FN	DS-46 @ 316-320	10/23/98
81-136	FE	JT 81-82-136	11/3/98
82-83	FE	JT 81-82-83; 82-83-84	10/27/98
82-84	FS	DS-47 @ 72-76	10/23/98
82-136	FE	JT 82-84-136	11/3/98
83-84	FS	None Needed	
83-85	FS	None Needed	
84-85	FE	JT 83-84-85; 84-85-86	10/23/98
84-86	FS	PATCH @ 272-273, DS-48 @ 5-9	10/27/98
84-136	FE	PATCH @ 6', JT 84-86-136	11/3/98
85-86	FN	None Needed	

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
86-87	FN	DS-49 @ 92-96 EXTR 192, PATCH 194-196	10/27/98
86-136	FE	JT 86-87-136	11/3/98
87-88	FS	DS-51 @ 130-134	10/27/98
87-89	FS	None Needed	
87-90	FS	DS-50 @ 69-73	10/27/98
87-136	FE	JT 87-88-136-138	11/3/98
88-89	FE	JT 87-88-89; 88-89-91	10/27/98
88-91	FS	DS-52 @ 181-185	10/27/98
88-138	FE	JT 88-91-138	11/3/98
89-90	FE	JT 87-88-90; 89-90-91	10/27/98
89-91	FN	None Needed	
90-91	FN	PATCH @ 31-33	10/27/98
91-92	FS	DS-53 @ 242-246	10/27/98
91-136	FE	JT 91-92-136	11/3/98
91-138	FE	JT 91-136-138	11/3/98
92-93	FS	PATCH @ 233-236; DS-54 @ 275-280	10/27/98
92-136	FE	JT 92-93-136	11/3/98
93-94	FN	EXT 0-6; DS-55 @ 299-303	10/27/98
93-136	FE	JT 93-94-136	11/3/98
94-95	FS	PATCH @ 305-306; DS-56 @ 328-332	10/27/98
94-136	FE	JT 94-95-136	11/3/98
95-96	FS	None Needed	10/28/98
95-97	FS	JT 95-96-97	10/28/98
95-98	FS	None Needed	10/28/98
95-99	FS	None Needed	10/28/98
95-100	FS	JT 95-99-100	10/28/98
95-101	FS	JT 95-100-101	10/28/98
95-102	FS	None Needed	10/28/98
95-103	FS	JT 95-103-112	10/28/98
95-104	FS	JT 95-103-104	10/28/98
95-106	FS	JT 95-104-106	10/28/98
95-108	FS	JT 95-106-108	10/28/98
95-109	FS	JT 95-108-109	10/28/98
95-110	FS	JT 95-109-110	10/28/98
95-111	FS	JT 95-101-111, 95-110-111	10/28/98
95-112	FS	JT 95-112-115	10/28/98
95-115	FS	None Needed	10/28/98
95-116	FS	PATCH 0-11', JT 95-116-117	10/28/98
95-117	FS	PATCH 3-22'	10/28/98
95-118	FS	JT 95-118-119	10/28/98
95-119	FS	JT 95-119-120	10/28/98
95-120	FS	JT 95-120-121	10/28/98
95-121	FS	JT 95-121-122	10/28/98
95-122	FS	JT 95-122-123	10/28/98
95-123	FS	None Needed	11/3/98
95-136	FS	JT 95-123-136	11/3/98
96-97	FE	DS-57 @ 165-169 PATCH @ 170-172, 174	10/28/98
96-98	FE	DS-58 @ 4-8, EXT 141-144, 159-160	10/28/98

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
96-102	FN	None Needed	10/28/98
97-124	FE	PATCH @ 225-227 DS-64 @ 77-82, DS-64-N, DS-64-3, DS-64-4, BOX 225-246	11/2/98
98-99	FE	None Needed	
98-102	FN	JT 96-98-102	10/28/98
99-100	FE	None Needed	
100-101	FE	DS-59 @ 44-48	10/28/98
101-104	FE	JT 101-104-105	10/28/98
101-105	FE	JT 101-105-107	10/28/98
101-107	FE	JT 101-107-109	10/28/98
101-109	FE	None Needed	
101-110	FE	JT 101-109-110	10/28/98
101-111	FE	JT 101-110-111	10/28/98
103-104	FE	None Needed	
103-112	FE	PATCH @ 47,54,80 EXT 47-54, 80-82	10/28/98
104-105	FE	PATCH @ 8-9, 15-17 DS-60 @ 21-26 VBOX 0-9	10/28/98
104-106	FE	None Needed	
105-106	FS	JT 105-106-108; 104-105-106	10/28/98
105-107	FE	None Needed	
105-108	FE	None Needed	10/28/98
106-108	FE	None Needed	
107-108	FS	JT 107-108-109; 105-107-108	10/28/98
107-109	FE	None Needed	
108-109	FE	PATCH @ 1	10/28/98
109-110	FE	None Needed	10/28/98
110-111	FE	JT 101-110-111	10/28/98
112-113	FE	DS-61 @ 110-115	10/28/98
112-115	FS	None Needed	10/28/98
113-114	FE	None Needed	
113-115	FS	PATCH @ 1; JT 112-113-115; 113-115-116	10/28/98
113-116	FE	None Needed	10/28/98
114-116	FS	JT 113-114-116, 114-116-117	10/28/98
114-117	FE	None Needed	
115-116	FE	PATCH @ 4	10/28/98
116-117	FS	None Needed	
117-118	FE	DS-62 @ 69-74 PATCH @79; EXT 82 @ 97-100	10/28/98
118-119	FE	None Needed	
119-120	FE	None Needed	
120-121	FE	DS-63 @ 74-78	10/28/98
121-122	FE	None Needed	
122-123	FE	None Needed	
123-139	FE	JT 123-136-139, 123-139-140-141	10/28/98
123-141	FE	JT 123-141-142	10/28/98
123-142	FE	JT 123-142-143	10/28/98
123-143	FE	None Needed	
124-125	FE	None Needed	
124-126	FE	None Needed	
125-126	FN	JT 124-125-126, 125-126-128	10/28/98

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
125-127	FE	DS-65 @ 7-11, PATCH @ 45-48	10/28/98
125-128	FE	None Needed	
126-128	FE	None Needed	
127-128	FN	JT 125-127-128, 127-128-129	10/28/98
127-129	FE	PATCH @ 66-68	10/28/98
128-129	FE	None Needed	
129-130	FE	FE DS-66 @ 158-162	10/28/98
130-131	FE	None Needed	
130-134	FE	None Needed	
131-132	FE	PATCH @ 62, EXT-70	10/28/98
131-134	FN	None Needed	
132-133	FE	EXT 10-14 PATCH -14, 31; EXT 36 VBOX 0-14	10/28/98
133-135	FE	None Needed	
136-137	FE	None Needed	
136-138	FE	None Needed	
136-139	FE	JT 136-139-140	10/28/98
136-140	FE	JT 136-140-141	10/28/98
136-141	FE	JT 136-141-142	10/28/98
136-142	FE	JT 136-142-144	10/28/98
136-144	FE	None Needed	
139-140	FN	None Needed	10/28/98
140-141	FN	None Needed	10/28/98
141-142	FN	None Needed	
142-143	FN	None Needed	
143-144	FE	JT 142-143-144	10/28/98
136-145	FE	DS-68 @ 500-504	11/1/98
145-146	FS	JT 145-146-147	11/1/98
145-147	FE	DS-69 @ 358-362 EXT 630-632	11/1/98
146-147	FE	None Needed	
147-148	FW	DS-71 @ 82-86, DS-70 @ 580-584	11/1/98
147-277	FN	None Needed	12/3/98
148-149	FW	DS-72 @ 215-219	11/3/98
148-150	FW	None Needed	
148-277	FN	None Needed	12/3/98
149-150	FN	JT 148-149-150, 149-150-151	11/2/98
149-151	FE	DS-73 @ 156-160	11/3/98
149-277	FN	None Needed	12/3/98
150-151	FE	DS-74 @ 105-109	11/3/98
151-152	FW	DS-75@12-16, DS-76 507-511	11/3/98
151-271	FN	JT 151-152-271	12/2/98
151-277	FN	JT 151-271-277	12/3/98
152-153	FE	DS-77@285-289 EXT 340-342	11/3/98
152-154	FN	None Needed	11/3/98
152-271	FN	JT 152-153-271	12/2/98
153-154	FE	JT 152-153-154, 153-154-155	11/3/98
153-155	FW	DS-78@ 55-59; DS-79@ 507-511	11/2/98
153-271	FN	JT 153-155-271	12/2/98
154-155	FE	None Needed	

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
155-156	FE	DS-80 @ 346-350	11/2/98
155-271	FN	JT 155-156-271	12/2/98
156-157	FW	DS-81 @ 158-162; DS-82 @ 652-656	11/2/98
156-271	FN	JT 156-157-277	12/2/98
157-158	FE	DS-83 @ 438-442	11/3/98
157-271	FN	JT 157-158-271	12/2/98
158-159	FE	DS-85 @ 75-79; DS-84 @ 376-380	11/3/98
158-270	FN	JT 158-159-270	12/2/98
158-271	FN	JT 158-270-271	12/2/98
159-160	FW	DS-87 @ 107-110, DS-86 @ 404-408	11/3/98
159-270	FN	JT 159-160-270, 158-159-270	12/8/98
160-161	FE	DS-88 @ 223-227	11/2/98
160-269	FN	JT 160-161-269	12/8/98
160-270	FN	JT 160-269-270	12/8/98
161-162	FE	DS-89 @ 100-104; DS-90 @ 404-408	11/2/98
161-163	FE	None Needed	
161-269	FN	JT 161-162-269; 160-161-269	12/8/98
162-163	FN	JT 161-162-163, 162-163-164	11/2/98
162-164	FW	DS-91 @ 63-67; DS-92 @ 367-371	11/2/98
162-265	FN	JT 162-164-265	12/8/98
162-269	FN	JT 162-164-269	12/8/98
163-164	FE	None Needed	
164-165	FE	DS-93 @ 80-84, DS-94 @ 384-388	11/2/98
164-259	FN	JT 164-259-265	11/30/98
164-265	FN	JT 162-164-265	12/8/98
165-256	FE	PATCH @ 7; DS 156 @ 32-36 VBOX 0-7	11/30/98
165-258	FE	PATCH @ 1	11/30/98
165-262	FE	JT 165-256-259; 165-256-258	11/30/98
165-263	FE	JT 165-258-263	11/30/98
165-264	FE	JT 165-262-263	11/30/98
165-267	FE	None needed	11/30/98
165-268	FE	JT 165-262-264	11/30/98
165-259	FE	JT 165-264-267	
165-281	FE	JT 165-266-268	12/3/98
165-282	FE	None needed	12/3/98
166-167	FS	DS-95 @ 105-109	11/11/98
166-198	FN	None Needed	
166-201	FN	JT 166-198-201	11/11/98
166-205	FS	PATCH @ 13-15 JT 166-201-205	11/11/98
166-206	FN	JT 166-205-206	11/11/98
166-208	FN	JT 166-206-208	11/11/98
166-209	FN	JT 166-208-209	11/11/98
166-211	FN	JT 166-209-211; 166-211-212	12/6/98
166-212	FN	JT 166-212-214	12/6/98
166-214	FN	None Needed	
166-217	FE	JT 166-217-218	11/16/98
166-218	FE	JT 166-167-218	11/16/98
166-304	FS	None Needed	12/7/98

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
167-168	FS	None Needed	
167-169	FS	None Needed	
167-218	FE	JT 167-169-218	11/16/98
168-169	FE	JT 167-168-169; 168-169-170	11/11/98
168-170	FS	DS-96 @ 79-83	11/11/98
169-170	FS	None Needed	
169-217	FE	JT 169-217-218	
169-218	FE	None Needed	11/16/98
170-171	FS	DS-97 @ 222-226	11/11/98
170-174	FS	None Needed	
170-217	FE	None Needed	
171-172	FS	None Needed	
171-174	FE	JT 170-171-174; 171-172-174	11/11/98
172-173	FS	DS-98 @ 77-81	11/11/98
172-174	FS	None Needed	
172-217	FE	JT 172-174-217; 172-173-217	11/16/98
173-175	FN	DS-99 @ 237-241	11/11/98
173-217	FE	JT 173-175-217	11/16/98
174-217	FE	None Needed	
175-176	FS	EXT 213-216	11/12/98
175-217	FE	PATCH @ 10' JT 175-176-217	11/16/98
176-177	FN	DS-100 @ 47-51	11/12/98
176-217	FE	JT 176-177-217	11/16/98
177-178	FS	DS-101 @ 189-193	11/12/98
177-217	FE	JT 177-178-217	11/16/98
178-179	FS	DS-102 @ 84-88	11/12/98
178-217	FE	None Needed	11/16/98
179-180	FN	PATCH @ 3; DS-103 @ 30-34 VBOX 0-3	11/12/98
179-181	FN	PATCH @ 5 & 7 VBOX 0-7	11/12/98
180-181	FE	JT 179-180-181; 180-181-182	11/12/98
180-182	FS	PATCH 0-3 VBOX 0-3	11/13/98
181-182	FS	None Needed	
182-183	FS	DS-104 @ 9-13	11/13/98
183-184	FS	DS-105 @ 222-226	11/12/98
183-185	FS	None Needed	
183-186	FS	DS-106 @ 5-9	11/13/98
184-185	FE	JT 183-184-185; 184-185-187	11/12/98
184-187	FS	DS-107 @ 250-254	11/12/98
185-186	FE	JT 183-185-186; 185-186-187	11/12/98
185-187	FS	EXT 82-86	11/12/98
186-187	FN	None Needed	
187-188	FN	EXT @ 123, 400-405, 430-434; DS-108 @ 472-476	11/12/98
188-189	FS	VENT @ 118; EXT 304-307 DS-109 @ 420-424,	11/12/98
	(continued)	PATCH @ 468-471, 475 EXT 480-481, 490	
189-190	FS	DS-111 @ 116-120; DS-110 @ 415-419	11/12/98
190-191	FS	DS-123 @ 250-254	11/12/98
191-192	FS	DS-112 @ 377-381	11/12/98
192-193	FN	DS-113 @ 300-304	11/12/98

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
193-194	FS	DS-114 @ 241-245	11/12/98
194-195	FN	PATCH @ 65-67; DS-115 @ 105-109	11/12/98
195-196	FS	DS-116 @ 26-30 PATCH @ 96,	11/12/98
	(continued)	VENT @ 98-100, DS-117 @ 520-524	
196-197	FN	DS-118 @ 401-405	11/12/98
197-222	FS	DS-125 @ 114-118; EXT 424	11/24/98
198-199	FN	DS-119 @ 24-28	11/12/98
198-201	FE	JT 198-199-201	11/11/98
199-200	FS	PATCH @ 8' VBOX 0-8	11/12/98
199-201	FE	JT 199-200-201	11/12/98
200-201	FE	None Needed	
200-202	FN	JT 200-201-202	11/12/98
200-203	FN	JT 200-202-203	11/12/98
200-204	FN	PATCH @ 23-24 JT 200-203-204 VBOX 23-29	11/12/98
201-202	FE	DS-120 @ 3-7	11/12/98
201-205	FW	None Needed	
202-203	FW	None Needed	
203-204	FW	PATCH @ 8-9	11/12/98
205-206	FW	None Needed	
206-207	FW	None Needed	
206-208	FW	None Needed	
207-208	FS	JT 206-207-208, 207-208-209	11/11/98
207-209	FW	DS-121 @ 20-24	11/12/98
208-209	FW	None Needed	
209-210	FW	None Needed	
209-211	FW	None Needed	
210-211	FS	JT 209-210-211, 210-211-212	11/11/98
210-212	FW	None Needed	
211-212	FW	None Needed	
212-213	FW	None Needed	
212-214	FE	DS-122 @ 13-17	12/6/98
213-214	FS	JT 212-213-214	12/6/98
213-304	FE	JT 213-214-304	12/6/98
213-306	FE	JT 213-304-306	12/6/98
214-304	FE	JT 166-214-304	12/6/98
215-216	FS	None Needed	
215-308	FE	JT 7-215-308; 215-216-308	12/6/98
216-308	FE	JT 215-216-308	12/6/98
216-309	FE	JT 216-308-309	12/6/98
217-218	FE	None Needed	11/16/98
217-219	FE	JT 217-219-221	11/16/98
217-220	FE	None Needed	
217-221	FW	DS-124 @ 0-4	11/16/98
217-304	FN	JT 166-217-304	12/6/98
217-305	FN	JT 217-304-305	12/6/98
219-221	FS	None Needed	
219-305	FS	JT 217-219-305; 7-219-305	12/6/98
220-221	FS	None Needed	

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
222-223	FN	DS-126 @ 14-18	11/24/98
222-224	FN	DS-127 @ 251-255	
223-224	FE	JT 222-223-224; 223-224-226	11/24/98
223-225	FN	None Needed	11/24/98
223-226	FS	DS-128 @ 16-20	11/26/98
224-226	FS	EXT 0-13; PATCH @ 13, 18, 262-267	11/24/98
224-226A	FS	None Needed	11/23/98
225-226	FE	JT 223-225-226; 225-226-227	11/24/98
225-227	FS	None Needed	
226-226A	FE	JT 224-226-226A; 226-226A-228	11/23/98
226-227	FS	PATCH @ 71-75; 170-174; DS-129 @ 152-156	11/24/98
226-228	FN	None Needed	
226A-228	FN	None needed	11/23/98
227-228	FE	JT 226-227-228; 227-228-229	11/24/98
227-229	FN	DS-131 @ 49-53	11/24/98
228-229	FN	DS-130 @ 15-19	11/24/98
228-230	FS	None Needed	
229-230	FE	JT 228-229-230; 229-230-233	11/24/98
229-231	FN	None Needed	
229-232	FS	None Needed	
229-233	FN	DS-132 @ 99-103	11/24/98
230-233	FN	None Needed	
231-232	FE	JT 229-231-232; 231-232-235	11/24/98
231-234	FN	PATCH @ 27; 39-42; 130	11/24/98
231-235	FN	None Needed	
232-233	FE	JT 229-232-233; 232-233-235	11/24/98
232-235	FS	DS-133 @ 122-126	11/24/98
233-235	FN	EXT 0-11 VBOX 0-11	11/24/98
234-235	FE	JT 231-234-235; 234-235-236	11/24/98
234-236	FS	DS-134 @ 157-161	11/24/98
235-236	FS	None Needed	
235-237	FN	None Needed	
235-238	FN	None Needed	
235-239	FS	DS-135 @ 43-47	11/24/98
236-237	FE	JT 235-236-237; 236-237-241	11/24/98
236-240	FS	None Needed	
236-241	FS	DS-136 @ 56-60	11/24/98
237-238	FE	JT 235-237-238; 237-238-241	11/24/98
237-241	FS	None Needed	
238-239	FE	JT 235-238-239; 238-239-241	11/24/98
238-241	FS	None Needed	
239-241	FS	None Needed	
240-241	FE	JT 236-240-241; 240-241-242	11/25/98
240-242	FS	PATCH @ 114	11/30/98
241-242	FS	None Needed	
241-243	FS	DS-137 @ 240-244 PATCH @ 272 VBOX 272-274	11/30/98
241-244	FN	None Needed	
242-243	FE	JT 241-242-243; 242-243-246	11/30/98

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
242-245	FN	DS-139 @ 97-101	11/30/98
242-246	FN	None Needed	
243-244	FE	JT 241-243-244; 243-244-246	11/30/98
243-246	FN	PATCH @ 10	11/30/98
244-246	FN	DS-138 @ 165-169	11/30/98
245-246	FE	JT 242-245-246; 245-246-247 FE PATCH @ 13-20 VBOX 13-22	11/30/98
245-247	FS	PATCH @ 24-26	11/30/98
246-247	FS	None Needed	
246-248	FS	DS-140 @ 260-264	11/30/98
247-248	FE	JT 246-247-248; 247-248-249	11/30/98
247-249	FN	PATCH @ 38; 224	11/30/98
248-249	FE	None Needed	
248-250	FN	DS-141 @ 117-121; EXT 251-253	11/30/98
	(continued)	VENT @ 267-271	
249-250	FE	JT 248-249-250; 249-250-251	11/30/98
249-251	FS	DS-142 @ 230-234	11/30/98
250-251	FS	DS-143 @ 63-67 PATCH @ 333-335 VBOX 333-340	11/30/98
251-252	FN	DS-144 @ 204-208 EXT 427-429 PATCH @ 561, 565	11/30/98
252-253	FS	PATCH @ 233-235, DS-145@324-328	11/30/98
253-254	FN	PATCH @ 4;; 420-424 DS-145@324-328 VBOX 0-4	11/30/98
254-255	FS	PATCH @ 213, 567, 587, EXT 590-598 DS-148@30-34;	11/30/98
	(continued)	DS-147 @ 535-539 VBOX 587-598	
254-272	FE	JT 254-255-272	12/2/98
254-274	FE	JT 254-272-274	12/2/98
255-256	FN	PATCH @ 371-373	11/30/98
255-259	FS	None Needed	11/30/98
255-265	FE	None Needed	11/30/98
255-269	FS	JT 255-265-269	12/2/98
255-270	FS	JT 255-269-270	12/2/98
255-271	FE	JT 255-270-271	12/2/98
255-272	FE	JT 255-271-272	12/2/98
256-257	FS	PATCH @ 226 DS-149 @ 70-74	11/30/98
256-258	FS	PATCH @ 101	11/30/98
256-259	FE	JT 254-256-259; 165-256-259	11/30/98
257-258	FE	JT 256-257-258; 257-258-260	11/30/98
257-260	FN	None Needed	
258-260	FS	DS-150 @ 36-40	11/30/98
258-263	FS	None Needed	11/30/98
259-265	FE	JT 255-259-265; 164-259-265	12/2/98
260-261	FN	DS-151 @ 241-245	11/30/98
260-262	FN	None Needed	
260-263	FE	JT 260-262-263; 258-260-263	11/30/98
261-262	FE	JT 260-261-262; 261-262-264	11/30/98
261-264	FN	DS-152 @ 245-249	11/30/98
262-263	FS	None Needed	11/30/98
262-264	FN	None Needed	
264-266	FS	PATCH @ 144-145 EXT 171;270 DS-153 @ 124-128	11/30/98
264-267	FS	None Needed	

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
265-269	FE	JT 162-265-269; 255-265-269	12/2/98
266-267	FE	JT 264-266-267; 266-267-268	11/30/98
266-268	FN	PATCH @ 117-119; 145-148; EXT 155; DS-154 @91-95	11/30/98
267-268	FN	None Needed	
268-282	FN	JT 165-268-282, 268-282-283	12/6/98
268-283	FN	JT 268-282-283, 268-283-285	12/6/98
268-284	FN	None Needed	
268-285	FS	PATCH @ 35, VENT 142-144,	12/6/98
	(continued)	DS-158@178-182 VENT 269-271	
269-270	FE	JT 160-269-270, 255-269-270	12/2/98
270-271	FE	JT 158-270-271, 255-270-271	12/3/98
271-272	FS	JT 255-271-272	12/3/98
271-273	FS	JT 271-272-273 DS-155 @ 6-10	12/3/98
271-276	FE	JT 271-276-277	12/3/98
271-277	FE	JT 271-273-276	12/3/98
272-273	FE	JT 272-273-275	12/3/98
272-274	FS	JT 272-273-274	12/3/98
272-275	FS	JT 272-273-275	12/3/98
273-275	FS	JT 273-275-276-59	12/6/98
273-276	FE	JT 273-275-276-59	12/6/98
274-275	FS	JT 58-274-275, 272-274-275	12/3/98
276-277	FE	JT 276-277-278	12/6/98
276-278	FE	JT 276-277-278; 276-277-279	12/3/98
276-279	FS	JT 276-278-279; 59-276-279	12/3/98
277-278	FS	None Needed	
278-279	FS	JT 278-279-280	12/3/98
278-280	FS	JT 278-279-280	12/3/98
279-280	FS	JT 59-279-280	12/3/98
281-282	FS	JT 165-281-282; 281-282-283	12/6/98
281-283	FW	DS-157 @ 164-168	12/6/98
282-283	FW	None Needed	
283-285	FE	JT 268-283-285; 283-285-286	12/6/98
283-286	FE	JT 283-285-286; 283-286-287	12/6/98
283-287	FE	JT 283-286-287; 283-287-288	12/6/98
283-288	FE	JT 283-287-288; 283-288-289	12/6/98
283-289	FE	JT 283-288-289; 283-289-292	12/6/98
283-292	FE	JT 283-289-292; 283-292-293	12/6/98
283-293	FE	JT 283-292-293; 283-293-295	12/6/98
283-295	FE	JT 283-293-295; 283-295-297	12/6/98
283-313	FE	JT 283-313-314	12/7/98
283-314	FE	JT 283-314-315	12/7/98
283-315	FE	JT 283-315-316	12/7/98
283-316	FE	JT 283-316-317	12/7/98
283-317	FE	JT 283-317-318	12/7/98
283-318	FE	JT 283-318-319	12/7/98
283-319	FE	JT 283-319-320	12/7/98
283-320	FE	JT 283-319-320	12/7/98
284-285	FE	JT 268-284-285; 284-285-286	12/7/98

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
284-286	FN	PATCH @ 58-60; 155-158	12/7/98
285-286	FN	None needed	
286-287	FS	DS 159 @ 5-9; PATCH @ 247-251	12/7/98
287-288	FN	PATCH@ 62-65 DS 160 @177-181 PATCH@ 216-218	12/7/98
288-289	FS	PATCH@ 114, 250, DS 161@ 311-315	12/7/98
289-290	FN	PATCH@ 20-23 50, 56-58	12/7/98
289-291	FN	PATCH@ 68-70	12/7/98
289-292	FN	JT 283-289-292	12/7/98
290-291	FE	JT 289-290,291;290-291-292	12/7/98
290-293	FS	None needed	
291-292	FE	JT 289-291-292; 291-292-293	12/7/98
291-293	FS	None needed	
292-293	FS	FS DS 162@ 108-112	12/7/98
293-294	FN	FN P@ 21-25, 72,91-93;108,117 DS 163 @ 183-187	12/7/98
293-295	FN	None needed	
294-295	FE	JT 293-294-295; 294-295-297	12/7/98
294-296	FS	None needed	
294-297	FS	PATCH@ 12,14	12/7/98
295-297	FS	None needed	12/7/98
296-297	FE	JT 294-296-297	12/7/98
296-298	FN	JT 296-298-299	12/7/98
296-299	FN	DS 164@1-5 JT 296-299-300	12/7/98
296-300	FN	JT 296-300-301	12/7/98
296-301	FN	JT 296-301-302	12/7/98
296-302	FN	JT 296-302-297	12/7/98
297-302	FN	JT 297-302-310	12/7/98
297-310	FN	JT 297-303-310; 297-310-311	12/7/98
297-311	FN	JT 297-311-312	12/7/98
297-312	FN	JT 297-312-313	
297-313	FN	JT 283-297-313	
298-299	FE	None needed	
299-300	FE	None needed	
300-301	FE	DS-165@11-15	12/7/98
301-302	FW	EXT@41	
301-303	FW	JT 301-302-303	12/7/98
302-303	FS	JT 301-302-303; 302-303-310	12/7/98
302-310	FE	PATCH @ 59	12/7/98
303-310	FE	JT 302-303-310	12/7/98
304-305	FE	JT 217-304-305; 304-305-307	12/7/98
304-306	FS	JT 213-304-306	12/7/98
304-307	FE	JT 304-305-307	12/7/98
305-307	FS	JT 304-305-307	12/7/98
305-308	FE	JT 7-305-308; 305-308-309	12/7/98
305-309	FE	JT 305-308-309	12/7/98
308-309	FE	None needed	12/7/98
310-311	FE	None needed	
311-312	FE	PATCH @ 93 DS 166 @ 40-44	12/7/98
312-313	FW	None needed	

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Seam Number	Measurement Direction [1]	Repairs [2]	Vacuum Box Passed Test Date
313-314	FE	None needed	
314-315	FW	DS-167 @ 20-24	12/7/98
315-316	FE	None needed	
316-317	FS	None needed	
317-318	FE	JT 316-317-318; 317-318-283	12/7/98
317-319	FE	DS-168 @ 9-13	12/7/98
319-320	FE	None needed	

[1] FN-- From North FE-- From East FS-- From South FW-- From West	[2] JT-- Joint @ Tee of 3 Panels EXT-- Extrusion Weld DS-- Destruction Test
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