

Table 1. Evaluation of Pipeline Segments in HCAs for the Manufacturing and Construction Defect Threat with Regard to MOP Excursions

	A	B	C	D	E	F	G	H	I	J
	ROUTE	SEGMENT NUMBER	MP1	MP2	Manufacturing Threat Determination with Regard to MOP Excursions	Media	Min Indicated Test Pressure	Duration (hrs)	Test Date	Comment
1										
2	191	110	3.88	4.45	Stable					Incomplete Test Records
3	191	111	4.47	4.54	Stable					Incomplete Test Records
4	191	111.5	4.54	4.69	Stable					Incomplete Test Records
5	191	111.7	4.69	5.14	Stable					Incomplete Test Records
6	191	112.3	5.42	5.43	Stable					Incomplete Test Records
7	191	112.6	5.43	5.47	Stable	Water	920	2	7/23/1965	Records Verified - Segment tested to 1.25x MOP
8	191	113.3	5.60	5.91	Stable					Incomplete Test Records
9	191	113.4	5.91	6.48	Stable					Incomplete Test Records
10	0804-16	16.2	0.00	0.00	Stable					Incomplete Test Records
11	210B	122.3	18.71	18.72	Stable					Scheduled for Hydrotest in 2012 (TIM-091-12)
12	210B	122.9	18.78	18.81	Stable					Scheduled for Hydrotest in 2012 (TIM-091-12)
13	210B	124.3	19.38	19.47	Stable					Scheduled for Hydrotest in 2012 (TIM-091-12)
14	GCUST5885	104	0.46	0.57	Stable					Incomplete Test Records
15	7221-10	108.08	8.35	8.46	Stable	Water	760	1	4/13/2012	Tested in 2012
16	7221-10	108.1	8.46	8.66	Stable	Water	760	1	4/13/2012	Tested in 2012
17	7221-10	108.25	8.84	9.63	Stable	Water	760	1	4/13/2012	Tested in 2012
18	7221-10	117.3	14.82	14.85	Stable					Scheduled for replacement in 2012 (R-03)
19	DCUST2823	101.6	0.18	0.20	Stable					Incomplete Test Records
20	DCUST2823	104	0.30	0.43	Stable					Incomplete Test Records
21	111A	140	25.60	25.70	Stable					Scheduled for replacement in 2012 (R-06)
22	111A	142	26.86	26.86	Stable					Scheduled for replacement in 2012 (R-06)
23	111A	142.2	26.86	27.14	Stable					Scheduled for replacement in 2012 (R-06)
24	111A	144	27.31	27.46	Stable					Scheduled for replacement in 2012 (R-06)
25	111A	145	27.46	27.53	Stable					Scheduled for replacement in 2012 (R-06)
26	118A	102.5	0.76	0.79	Stable					Incomplete Test Records
27	118A	114.5	8.43	8.56	Stable					Incomplete Test Records
28	118A	115	8.56	8.64	Stable					Incomplete Test Records
29	118A	120	11.00	11.01	Stable					Incomplete Test Records
30	118A	120.4	11.15	11.23	Stable					Incomplete Test Records
31	118A	120.5	11.23	11.35	Stable					Incomplete Test Records
32	118A	120.9	11.38	11.41	Stable					Incomplete Test Records
33	118A	202	58.48	58.74	Stable	Water	868	1.5	6/1/2012	Tested in 2012
34	118A	218.6	65.54	65.57	Stable					Incomplete Test Records
35	118B	101	0.00	0.08	Stable	Water	1575	24	9/5/1962	Records Verified - Segment tested to 1.25x MOP
36	118B	101.5	0.08	0.29	Stable	Water	1575	24	9/5/1962	Records Verified - Segment tested to 1.25x MOP
37	118B	102	0.29	0.45	Stable	Water	1575	24	9/5/1962	Records Verified - Segment tested to 1.25x MOP
38	118B	107	2.26	2.47	Stable					Incomplete Test Records
39	118B	107.2	2.47	2.52	Stable					Incomplete Test Records
40	118B	107.8	3.58	3.64	Stable					Incomplete Test Records
41	118B	108	3.64	3.78	Stable					Incomplete Test Records
42	118B	111.27	4.75	4.98	Stable					Incomplete Test Records
43	118B	116	7.86	7.89	Stable					Incomplete Test Records
44	118B	116.5	7.89	8.00	Stable					Incomplete Test Records
45	118B	117	8.00	8.22	Stable					Incomplete Test Records
46	118B	119.73	9.65	9.94	Stable					Incomplete Test Records
47	118B	120	9.94	9.99	Stable					Incomplete Test Records
48	118B	120.1	10.28	10.45	Stable					Incomplete Test Records
49	118B	120.4	10.46	10.47	Stable					Incomplete Test Records
50	118B	120.8	10.47	10.50	Stable					Incomplete Test Records
51	118B	121.94	10.89	10.94	Stable					Incomplete Test Records
52	118B	122	10.94	11.34	Stable					Incomplete Test Records
53	118B	123	11.34	11.43	Stable					Incomplete Test Records
54	118B	123.5	11.43	11.65	Stable					Incomplete Test Records
55	118B	124	11.65	11.71	Stable					Incomplete Test Records
56	118B	124.5	11.71	12.07	Stable					Incomplete Test Records
57	118B	125	12.46	12.84	Stable					Incomplete Test Records
58	118B	126.3	13.49	13.61	Stable					Incomplete Test Records
59	118B	126.5	13.61	13.96	Stable					Incomplete Test Records
60	118B	129.8	15.85	16.00	Stable					Incomplete Test Records
61	118B	130	16.00	16.38	Stable					Incomplete Test Records
62	118B	132.88	17.02	17.09	Stable					Incomplete Test Records
63	118B	133	17.09	17.27	Stable					Incomplete Test Records
64	118B	134.3	17.65	17.69	Stable					Incomplete Test Records
65	118B	134.5	17.69	17.72	Stable					Incomplete Test Records
66	118B	134.7	17.72	17.88	Stable					Incomplete Test Records
67	7204-01	101	1.90	1.96	Stable					Incomplete Test Records
68	DREG4388	119	0.00	0.07	Stable					Incomplete Test Records
69	197C-1	214.5	16.72	16.96	Stable	Water	1200	1	1/6/1966	Records Verified - Segment tested to 1.25x MOP
70	197C-1	224	16.96	17.05	Stable	Water	1230	2.17	12/14/1965	Records Verified - Segment tested to 1.25x MOP
71	1803-01	204	0.19	0.37	Stable					Incomplete Test Records
72	1803-01	206	0.82	1.24	Stable					Incomplete Test Records
73	1611-03	111	0.23	0.58	Stable					Incomplete Test Records
74	1611-03	112	0.58	0.61	Stable	Water	780	3	9/19/1967	Records Verified - Segment tested to 1.25x MOP
75	1611-03	112.5	0.76	0.97	Stable	Water	780	3	9/19/1967	Records Verified - Segment tested to 1.25x MOP
76	1611-03	112.8	1.28	1.41	Stable	Water	780	3	9/19/1967	Records Verified - Segment tested to 1.25x MOP
77	1611-03	113	1.41	1.90	Stable	Water	690	2.25	8/30/1967	Records Verified - Segment tested to 1.25x MOP
78	1611-03	113.5	1.90	2.19	Stable	Water	690	2.25	8/30/1967	Records Verified - Segment tested to 1.25x MOP
79	GCUST5969	302	0.07	0.17	Stable					Incomplete Test Records
80	1607-01	105.1	1.00	1.02	Stable					Incomplete Test Records
81	GCUST5842	215.4	1.49	1.51	Stable					Incomplete Test Records
82	301F	105.4	3.10	3.16	Stable	Water	1370	16.78	9/26/1969	Records Verified - Segment tested to 1.25x MOP
83	1815-02	218.6	16.46	16.75	Stable					Incomplete Test Records
84	1815-02	226	18.18	18.76	Stable	Water	1200	2.25	3/18/1968	Records Verified - Segment tested to 1.25x MOP
85	1815-02	240	19.24	19.48	Stable					Incomplete Test Records
86	1815-15	102	0.00	0.18	Stable	Water	900	3.08	8/27/1962	Records Verified - Segment tested to 1.25x MOP
87	1815-15	108	0.36	0.46	Stable					Incomplete Test Records
88	1815-15	115	1.18	1.33	Stable	Water	1175	1.75	10/2/1966	Records Verified - Segment tested to 1.25x MOP
89	1815-15	130.3	2.04	2.13	Stable					Incomplete Test Records
90	1815-02	118	4.04	4.08	Stable	Water	1180	2.75	12/12/1967	Records Verified - Segment tested to 1.25x MOP
91	1815-02	121	4.08	4.17	Stable	Water	1180	2.75	12/12/1967	Records Verified - Segment tested to 1.25x MOP
92	1815-02	218	16.28	16.39	Stable					Incomplete Test Records
93	187	127.1	32.70	33.06	Stable					Incomplete Test Records
94	187	138.35	41.05	41.06	Stable					Incomplete Test Records

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1	ROUTE	SEGMENT NUMBER	MP1	MP2	Manufacturing Threat Determination with Regard to MOP Excursions	Media	Min Indicated Test Pressure	Duration (hrs)	Test Date	Comment
95	187	138.4	41.06	41.08	Stable					Incomplete Test Records
96	187	138.6	41.08	41.15	Stable					Incomplete Test Records
97	187	139	41.15	41.18	Stable					Incomplete Test Records
98	187	139.2	41.24	41.34	Stable					Incomplete Test Records
99	187	140	41.43	41.53	Stable					Incomplete Test Records
100	187	141.5	41.69	41.79	Stable					Incomplete Test Records
101	187	144	45.00	45.11	Stable					Incomplete Test Records
102	187	144.2	45.20	45.37	Stable					Incomplete Test Records
103	187	144.4	46.58	46.76	Stable					Incomplete Test Records
104	187	147.2	50.29	50.34	Stable					Incomplete Test Records
105	187	147.3	50.34	50.49	Stable					Incomplete Test Records
106	187	148	50.49	51.15	Stable					Incomplete Test Records
107	187	148.4	51.84	52.01	Stable					Incomplete Test Records
108	187	149.2	52.83	52.95	Stable					Incomplete Test Records
109	187	152.8	56.85	56.98	Stable					Incomplete Test Records
110	187	153.7	56.41	56.54	Stable					Incomplete Test Records
111	187	164.7	64.34	64.37	Stable					Incomplete Test Records
112	187	165	64.37	64.53	Stable					Incomplete Test Records
113	1816-01	223	10.84	11.26	Stable					Incomplete Test Records
114	1816-01	223.5	11.26	11.37	Stable					Incomplete Test Records
115	1816-01	229	13.46	13.81	Stable					Incomplete Test Records
116	1816-01	230.3	13.98	14.06	Stable					Incomplete Test Records
117	1816-01	230.6	14.06	14.08	Stable					Incomplete Test Records
118	1816-01	232.5	14.36	14.66	Stable					Incomplete Test Records
119	1816-01	232.6	14.66	14.70	Stable					Incomplete Test Records
120	1816-01	232.8	14.70	14.82	Stable					Incomplete Test Records
121	1816-01	233.3	15.17	15.22	Stable					Incomplete Test Records
122	1816-02	101	0.00	0.01	Stable					Incomplete Test Records
123	1816-02	102	0.01	0.12	Stable					Incomplete Test Records
124	1816-15	301	0.00	0.47	Stable					Incomplete Test Records
125	1816-15	306	0.47	0.54	Stable					Incomplete Test Records
126	1816-15	309.5	0.73	0.98	Stable					Incomplete Test Records
127	1816-15	323	4.65	4.85	Stable					Incomplete Test Records
128	DREG5130	208	0.06	0.07	Stable					Incomplete Test Records
129	DREG5130	212	0.08	0.09	Stable					Incomplete Test Records
130	DREG5130	551.7	0.04	0.06	Stable					Incomplete Test Records
131	0817-01	121	0.00	0.21	Stable					Incomplete Test Records
132	0817-01	129.1	0.48	0.49	Stable					Incomplete Test Records
133	0817-01	129.4	0.52	0.96	Stable					Incomplete Test Records
134	0817-01	129.6	0.99	1.07	Stable					Incomplete Test Records
135	0817-01	129.8	1.12	1.21	Stable					Incomplete Test Records
136	0817-01	130	1.24	1.30	Stable					Incomplete Test Records
137	138	130	38.43	38.58	Stable					Incomplete Test Records
138	138	130.4	38.93	39.15	Stable	Water	1300	1.08	9/14/1960	Records Verified - Segment tested to 1.25x MOP
139	138	133.2	43.12	43.32	Stable	Water	1300	1.08	9/14/1960	Records Verified - Segment tested to 1.25x MOP
140	300B	193	161.02	161.07	Stable	Natural Gas	983	9.05	11/5/1957	Records Verified - Segment tested to 1.25x MOP
141	300B	194	161.43	161.48	Stable	Natural Gas	983	9.05	11/5/1957	Records Verified - Segment tested to 1.25x MOP
142	132	171.25	32.74	32.92	Stable	Water	879	9.05	2/18/1967	Records Verified - Segment tested to 1.25x MOP
143	132	197.5	46.59	46.61	Stable					Incomplete Test Records
144	132	197.7	46.61	46.77	Stable	Water	401	1.25	5/22/2012	Tested in 2012
145	132	198	46.77	47.65	Stable	Water	401	1.25	5/22/2012	Tested in 2012
146	132	200	47.95	48.52	Stable	Water	401	1.25	5/22/2012	Tested in 2012
147	132	200.2	48.52	49.50	Stable	Water	263	1.75	7/3/2012	Tested in 2012
148	132	200.3	49.50	49.53	Stable	Water	263	1.75	7/3/2012	Tested in 2012
149	132	201.5	49.61	49.71	Stable	Water	263	1.75	7/3/2012	Tested in 2012
150	132	204	49.97	49.98	Stable	Water	263	1.75	7/3/2012	Tested in 2012
151	132	204.1	49.98	50.16	Stable	Awaiting documentation			7/5/2012	Tested in 2012
152	132	205	50.24	50.79	Stable	Awaiting documentation			7/5/2012	Tested in 2012
153	132	207	51.01	51.39	Stable	Awaiting documentation			7/5/2012	Tested in 2012
154	132	208	51.42	51.50	Stable	Awaiting documentation			7/5/2012	Tested in 2012
155	132	209	51.50	51.53	Stable					Incomplete Test Records
156	132B	102	0.01	0.01	Stable					Incomplete Test Records
157	1401-01	301	0.00	0.00	Stable					Incomplete Test Records
158	1401-01	302	0.00	0.00	Stable					Incomplete Test Records
159	1406-01	501	0.00	0.00	Stable					Segment is distribution (Downrated in 2012)
160	1406-01	502	0.00	0.00	Stable					Segment is distribution (Downrated in 2012)
161	GCUST6984	600	0.00	0.01	Stable					Incomplete Test Records
162	GCUST6984	601	0.01	0.01	Stable					Incomplete Test Records
163	153	147	22.87	22.87	Stable	Awaiting documentation			8/30/2012	Tested in 2012
164	153	147.05	22.87	23.13	Stable	Awaiting documentation			8/30/2012	Tested in 2012
165	153	147.45	23.27	23.32	Stable	Awaiting documentation			8/30/2012	Tested in 2012
166	153	147.7	23.34	23.77	Stable	Awaiting documentation			8/30/2012	Tested in 2012
167	153	147.78	23.77	25.11	Stable	Awaiting documentation			8/30/2012	Tested in 2012
168	153	147.9	25.11	26.05	Stable					Scheduled for Hydrotest in 2012 (TIM-020-12)
169	153	148.4	26.27	26.53	Stable					Scheduled for Hydrotest in 2012 (TIM-020-12)
170	153	150	26.62	27.76	Stable					Scheduled for Hydrotest in 2012 (TIM-020-12)
171	153	150.5	27.76	27.78	Stable					Scheduled for Hydrotest in 2012 (TIM-020-12)
172	191-1	131.5	35.60	35.83	Stable					Incomplete Test Records
173	3002-01	100.2	0.00	0.00	Stable					Incomplete Test Records
174	0211-01	105.3	0.64	0.68	Stable	Nitrogen	628	2.5	10/29/2011	Records Verified - Segment tested to 1.25x MOP
175	137B	102.6	2.00	2.16	Stable					Incomplete Test Records
176	137B	103.2	3.39	3.61	Stable					Incomplete Test Records
177	137B	105	4.42	4.62	Stable					Incomplete Test Records
178	137B	107.1	6.36	6.50	Stable					Incomplete Test Records
179	137B	107.5	7.05	7.37	Stable					Incomplete Test Records
180	021H	107.3	1.52	1.55	Stable					Incomplete Test Records
181	021H	107.6	1.55	1.59	Stable					Incomplete Test Records
182	021H	116.9	5.75	5.79	Stable	Water/Nitrogen	1000	2	10/24/1961	Records Verified - Segment tested to 1.25x MOP
183	021H	119.3	6.38	6.42	Stable	Water	1699	8.63	12/22/1987	Records Verified - Segment tested to 1.25x MOP
184	021E	101.3	53.25	53.32	Stable	Water	1500	22.25	7/4/1964	Records Verified - Segment tested to 1.25x MOP
185	021E	102	53.34	54.25	Stable	Water	1500	22.25	7/4/1964	Records Verified - Segment tested to 1.25x MOP
186	021E	103	55.33	55.42	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP

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1	ROUTE	SEGMENT NUMBER	MP1	MP2	Manufacturing Threat Determination with Regard to MOP Excursions	Media	Min Indicated Test Pressure	Duration (hrs)	Test Date	Comment
187	021E	103.14	55.42	55.55	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
188	021E	103.4	55.62	55.83	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
189	021E	103.9	56.48	56.50	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
190	021E	104	56.50	56.56	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
191	021E	104.1	56.56	56.75	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
192	021E	105	56.75	56.92	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
193	021E	105.6	56.93	56.95	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
194	021E	105.9	56.95	57.00	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
195	021E	107	57.00	57.73	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
196	021E	107.2	57.74	57.87	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
197	021E	108	57.87	58.05	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
198	021E	109	58.05	58.20	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
199	021E	110.2	58.61	58.81	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
200	021E	110.3	58.81	59.00	Stable	Water	1600	25.35	8/23/1966	Records Verified - Segment tested to 1.25x MOP
201	021E	111	59.00	59.27	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
202	021E	111.35	59.56	60.19	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
203	021E	111.4	60.19	60.35	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
204	021E	111.7	60.75	61.10	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
205	021E	111.75	61.10	61.43	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
206	021E	112.1	62.48	62.89	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
207	021E	112.25	63.48	63.61	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
208	021E	112.3	63.61	63.67	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
209	021E	113	63.67	63.94	Stable	Water	1600	23.4	9/17/1966	Records Verified - Segment tested to 1.25x MOP
210	021E	114.5	64.53	64.55	Stable	Water	1600	24.17	12/5/1966	Seam Assessment - TFI in 2007
211	021E	114.7	64.55	64.70	Stable	Water	1600	24.17	12/5/1966	Seam Assessment - TFI in 2007
212	021E	116	64.93	65.04	Stable	Water	1600	24.17	12/5/1966	Seam Assessment - TFI in 2007
213	021E	117	65.04	65.12	Stable	Water	1600	24.17	12/5/1966	Seam Assessment - TFI in 2007
214	021E	119.15	67.25	67.49	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
215	021E	119.25	67.85	68.25	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
216	021E	119.3	68.25	68.34	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
217	021E	120	68.34	68.41	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
218	021E	120.2	68.41	68.44	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
219	021E	124	69.13	69.25	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
220	021E	125	69.25	69.34	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
221	021E	127.1	70.62	70.92	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
222	021E	129.2	71.47	71.92	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
223	021E	130.5	73.31	73.38	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
224	021E	131	73.38	73.86	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
225	021E	134.1	75.31	75.55	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
226	021E	136.3	79.55	79.61	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
227	021E	137	79.61	79.76	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
228	021E	139	80.28	80.40	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
229	021E	140	80.40	80.58	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
230	021E	140.4	80.68	80.90	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
231	021E	142.5	81.92	82.03	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
232	021E	143	82.03	83.08	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
233	021E	144	83.09	83.91	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
234	021E	144.6	83.91	84.00	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
235	021E	145	84.00	84.48	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
236	021E	145.3	84.48	84.53	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2007
237	021E	155.5	97.07	97.12	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
238	021E	156	97.12	97.22	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
239	021E	157.2	97.31	97.40	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
240	021E	158	97.40	99.33	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
241	021E	158.3	99.33	99.36	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
242	021E	158.5	99.36	99.47	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
243	021E	164.5	109.39	109.42	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
244	021E	165	109.42	110.19	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
245	021E	166.19	110.83	111.00	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
246	021E	166.5	111.00	111.07	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
247	021E	167.6	111.39	113.02	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
248	021E	167.9	113.02	113.07	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
249	DREG3825	100.6	0.00	0.02	Stable					Incomplete Test Records
250	021E	168	113.07	113.27	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
251	021E	168.5	113.29	113.36	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
252	021E	168.7	113.36	113.47	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
253	021E	168.73	113.47	114.08	Stable	Water	1662	24	3/19/1967	Seam Assessment - TFI in 2012
254	021C	107.6	35.05	35.05	Stable					Incomplete Test Records
255	021C	111.3	36.93	36.94	Stable					Incomplete Test Records
256	021C	114.9	37.42	37.44	Stable	Water	1100	1.42	10/27/1967	Records Verified - Segment tested to 1.25x MOP
257	021D	113.1	24.55	24.60	Stable	Water	1200	2.13	6/17/1963	Records Verified - Segment tested to 1.25x MOP
258	021C	105	33.95	34.84	Stable	Water	900	8	1/29/1969	Records Verified - Segment tested to 1.25x MOP
259	021C	105.3	34.84	34.84	Stable	Water	900	8	1/29/1969	Records Verified - Segment tested to 1.25x MOP
260	021C	105.9	34.85	34.86	Stable					Incomplete Test Records
261	0401-01	103.5	1.50	2.40	Stable					Incomplete Test Records
262	0401-01	105	2.78	3.25	Stable					Incomplete Test Records
263	0401-01	110	4.60	4.73	Stable					Incomplete Test Records
264	0402-01	126	0.46	0.66	Stable					Incomplete Test Records
265	0402-01	132	2.06	2.23	Stable					Incomplete Test Records
266	0402-01	133	2.23	2.27	Stable					Incomplete Test Records
267	0402-01	134	2.27	2.35	Stable					Incomplete Test Records
268	0402-01	134.2	2.35	2.35	Stable					Incomplete Test Records
269	0402-01	134.5	2.35	2.35	Stable					Incomplete Test Records
270	0402-01	134.7	2.35	2.36	Stable					Incomplete Test Records
271	126A	104	5.02	5.36	Stable					Incomplete Test Records
272	126A	104.6	5.37	5.40	Stable					Incomplete Test Records
273	126A	104.8	5.40	5.43	Stable					Incomplete Test Records
274	177A	238.2	183.48	183.75	Stable	Natural Gas	445	24	12/7/1957	Records Verified - Segment tested to 1.25x MOP
275	177A	244.2	188.27	188.53	Stable	Water	1005	3.83	10/19/1957	Records Verified - Segment tested to 1.25x MOP
276	177A	246.7	190.26	190.55	Stable	Water	1005	3.83	10/19/1957	Records Verified - Segment tested to 1.25x MOP
277	021E	203.8	137.36	137.38	Stable					Incomplete Test Records
278	0818-03	114.5	1.97	2.63	Stable	Water	1140	8	7/1/1969	Records Verified - Segment tested to 1.25x MOP

Table 1. Evaluation of Pipeline Segments in HCAs for the Manufacturing and Construction Defect Threat with Regard to MOP Excursions

	A	B	C	D	E	F	G	H	I	J
1	ROUTE	SEGMENT NUMBER	MP1	MP2	Manufacturing Threat Determination with Regard to MOP Excursions	Media	Min Indicated Test Pressure	Duration (hrs)	Test Date	Comment
279	0618-03	114.65	2.63	2.63	Stable	Water	1140	8	7/1/1969	Records Verified - Segment tested to 1.25x MOP
280	177B	112.2	6.76	6.89	Stable					Incomplete Test Records
281	177B	112.3	6.89	7.04	Stable					Incomplete Test Records
282	177B	114	7.26	7.32	Stable					Incomplete Test Records
283	177B	114.5	7.32	7.51	Stable					Incomplete Test Records
284	0630-01	103.2	1.37	1.40	Stable					Incomplete Test Records
285	DREG5282	102.5	0.85	1.08	Stable	Water	1120	1.25	6/23/1967	Records Verified - Segment tested to 1.25x MOP
286	119B	116.3	9.19	9.22	Stable	Water	1200	1	9/22/1966	Records Verified - Segment tested to 1.25x MOP
287	173	109	7.63	7.91	Stable	Water	760	25.5	10/16/1962	Records Verified - Segment tested to 1.25x MOP
288	119A	111.4	9.68	9.68	Stable	Water	1098	8.27	9/13/2001	Records Verified - Segment tested to 1.25x MOP
289	119A	119.22	11.76	11.90	Stable	Water	1120	8.25	9/27/2001	Records Verified - Segment tested to 1.25x MOP
290	172C	522	0.00	0.01	Stable	Water	1095	8.1	9/14/2001	Records Verified - Segment tested to 1.25x MOP
291	172C	524	0.01	0.25	Stable	Water	1098	8.27	9/13/2001	Records Verified - Segment tested to 1.25x MOP
292	172C	526	0.25	0.25	Stable	Water	1098	8.27	9/13/2001	Records Verified - Segment tested to 1.25x MOP
293	0604-01	107	3.93	3.95	Stable					Incomplete Test Records
294	0604-01	109	4.40	4.46	Stable					Incomplete Test Records
295	0604-06	123	0.30	0.49	Stable					Incomplete Test Records
296	0604-06	125	0.49	1.26	Stable					Incomplete Test Records
297	0604-06	125.2	1.26	1.39	Stable					Incomplete Test Records
298	0604-06	126	1.51	1.60	Stable					Incomplete Test Records
299	0604-06	126.5	1.60	1.64	Stable					Incomplete Test Records
300	0604-06	127.3	1.64	1.64	Stable					Incomplete Test Records
301	0604-06	132	2.25	2.28	Stable					Incomplete Test Records
302	0604-07	143	3.31	3.40	Stable					Incomplete Test Records
303	GCUST5770	101	0.00	0.01	Stable					Incomplete Test Records
304	124A	120.8	21.43	21.79	Stable					Incomplete Test Records
305	124A	124.8	23.28	23.30	Stable					Incomplete Test Records
306	124A	125	23.30	23.40	Stable					Incomplete Test Records
307	124A	126	23.40	23.56	Stable					Incomplete Test Records
308	124A	128	23.90	26.27	Stable					Incomplete Test Records
309	124A	118.9	20.63	20.64	Stable					Incomplete Test Records
310	124A	120	20.69	21.17	Stable					Incomplete Test Records
311	202	112.5	17.86	18.19	Stable	Water	1375	8.5	12/17/1969	Records Verified - Segment tested to 1.25x MOP
312	202	113	18.19	18.34	Stable	Water	1310	18.92	12/19/1969	Records Verified - Segment tested to 1.25x MOP
313	202	120	22.97	23.09	Stable	Water	1427	8.62	12/8/1969	Records Verified - Segment tested to 1.25x MOP
314	167	134	34.40	34.46	Stable	Water	1334	8.17	5/30/2009	Records Verified - Segment tested to 1.25x MOP
315	167	135	34.46	34.53	Stable	Water	1334	8.17	5/30/2009	Records Verified - Segment tested to 1.25x MOP
316	050A	113.5	2.72	2.84	Stable					Incomplete Test Records
317	1503-01	114.9	0.21	0.27	Stable					Scheduled for replacement in 2012 (R-72)
318	114	134.57	15.50	15.50	Further Review					Seam assessment scheduled for 2013
319	118A	101	0.00	0.18	Further Review	Water	626	8.00	5/21/2012	Tested in 2012
320	197A	124.35	39.78	39.98	Further Review					Seam assessment scheduled for 2013
321	197A	124.6	39.98	39.98	Further Review					Seam assessment scheduled for 2013
322	111A	128.7	19.52	20.02	Further Review					Scheduled for replacement in 2012 (R-06)
323	301F	105.6	3.16	3.18	Further Review	Water	895	3.00	1/7/1966	Records Verified - Segment tested to 1.25x MOP
324	1816-01	221.6	10.80	10.84	Further Review	Water	800	1.15	6/6/1992	Records Verified - Segment tested to 1.25x MOP
325	1401-01	305	0.00	0.01	Further Review					Incomplete Test Records
326	1401-01	313	0.01	0.16	Further Review					Incomplete Test Records
327	1401-01	315	0.19	0.74	Further Review					Segment is distribution (Downrated in 2012)
328	153-6	101	0.00	0.00	Further Review					Scheduled for Hydrotest in 2012 (T-047C-11)
329	153-6	101.5	0.00	0.03	Further Review					Scheduled for Hydrotest in 2012 (T-047C-11)
330	0401-01	113	4.89	5.44	Further Review	Water	300	1.00	10/18/1966	Records Verified - Segment tested to 1.25x MOP
331	X6896	100.3	0.00	0.01	Further Review					Seam assessment scheduled for 2013
332	0603-01	101.1	0.00	0.01	Further Review	Water	1050	1.00	2/27/1992	Records Verified - Segment tested to 1.25x MOP
333	DCUST2245	101	0.00	0.01	Further Review					Segment is no longer HCA
334	DCUST2823	101	0.00	0.00	Further Review					Scheduled for downrating in 2012
335	DCUST2823	101.1	0.00	0.16	Further Review					Scheduled for downrating in 2012
336	DCUST2823	103	0.20	0.30	Further Review					Scheduled for downrating in 2012
337	DCUST2823	104.3	0.43	0.52	Further Review					Scheduled for downrating in 2012
338	DREG4387	100	0.00	0.01	Further Review					Incomplete Test Records
339	DREG4454	101	0.00	0.03	Further Review	Nitrogen	1175	8.00	4/27/1992	Records Verified - Segment tested to 1.25x MOP
340	DREG5090	201	0.00	0.03	Further Review					Segment operates at under 20% of SMYS and is distribution
341	0837-01	111	1.52	1.54	Further Review					Replaced in 2012
342	DREG4196	801	0.00	0.01	Further Review	Water	645	1.00	11/16/1988	Records Verified - Segment tested to 1.25x MOP
343	DREG4196	802	0.01	0.01	Further Review	Water	645	1.00	11/16/1988	Records Verified - Segment tested to 1.25x MOP
344	1406-01	503	0.00	0.01	Further Review					Segment is distribution (Downrated in 2012)
345	GCUST6984	609	0.10	0.14	Further Review					Seam assessment scheduled for 2013
346	GCUST6984	618	0.14	0.15	Further Review					Seam assessment scheduled for 2013
347	GCUST6984	625	0.15	0.20	Further Review					Seam assessment scheduled for 2013
348	X6437	208.5	51.50	51.50	Further Review					Segment does not contain line pipe but fittings
349	DREG3878	101	0.00	0.00	Further Review	Water	1020	8.25	8/18/1986	Records Verified - Segment tested to 1.25x MOP
350	DREG3878	102	0.00	0.00	Further Review					Incomplete Test Records
351	DREG3828	100	0.00	0.02	Further Review					Seam assessment scheduled for 2013
352	DREG3831	100	0.00	0.01	Further Review					Seam assessment scheduled for 2013
353	0402-01	125.5	0.41	0.46	Further Review					Seam assessment scheduled for 2013
354	DF3233	100.3	0.00	0.02	Further Review					Seam assessment scheduled for 2013