



**Mano K. Nazar**  
**Site Vice President**  
 Prairie Island Nuclear Generating Plant  
 Nuclear Management Company, LLC  
 1717 Wakonade Dr. East • Welch MN 55089

December 13, 2002

Technical Specification 5.6.7

U S Nuclear Regulatory Commission  
 Attn: Document Control Desk  
 Washington, DC 20555

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
 Docket No. 50-282 License No. DPR-42

**2002 Unit 1 Steam Generator Inspection Results – 15 Day Report**

In accordance with Technical Specification 5.6.7.1, the number of tubes plugged or sleeved in each steam generator is provided in Table 1.

Prairie Island Unit 1 RFO22 Plugs and Sleeves						
Type of Repair	EOC 21		2002 Repairs		BOC22	
	11 SG	12 SG	11 SG	12 SG	11 SG	12 SG
Tubes Plugged	171	377	22	178	193	555
Tubes Sleeved	0	1076	0	-2*	0	1074

Table 1

\* Two sleeved tubes were removed from service

In accordance with Technical Specification 5.6.7.4, the identification of F\* and EF\* tubes and the location and extent of degradation are included in Attachment 1 to this letter. There are 387 tubes classified as F\* tubes and 16 tubes classified as EF\* tubes.

In this letter we have made no new Nuclear Regulatory Commission commitments. Please contact Jeff Kivi (651-388-1121) if you have any questions related to this letter.

Mano K. Nazar  
 Site Vice President  
 Prairie Island Nuclear Generating Plant

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NUCLEAR MANAGEMENT COMPANY, LLC

c: Regional Administrator - Region III, NRC  
Senior Resident Inspector, NRC  
NRR Project Manager, NRC

Attachment: 11 and 12 Steam Generator EF\* and F\* Tube Report

**ATTACHMENT 1**

**11 and 12 Steam Generator EF\* and F\* Tube Report**

**CODES**

**Location (Landmark)**

TRH = Top of OEM Hard Roll Hot Leg  
 1BH = Bottom of Additional Hard Roll 1  
 2BH = Bottom of Additional Hard Roll 2  
 EBH = Bottom of Additional Elevated Hard Roll

**Types of F and EF Stars**

EF\* = EF\* Tube with Elevated Additional Roll Expansion  
 F\*0 = F\* Tube without Additional Roll Expansion  
 F\*1 = F\* Tube with One Additional Roll Expansion  
 F\*2 = F\* Tube with Second Higher Additional Roll Expansion

**Indication Code**

MAD = Multiple Axial Indication – No Longer Detectable  
 MAI = Multiple Axial Indication  
 MAN = Multiple Axial Indication – No Change  
 SAD = Single Axial Indication – No Longer Detectable  
 SAI = Single Axial Indication  
 SAN = Single Axial Indication – No Change  
 SCN = Single Circumferential Indication - No Change  
 SVN = Single Volumetric Indication - No Change

11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
1	11	H	1	9	SAN	TRH	-2.54	-2.43	F*0
2	11	H	8	9	SCN	TRH	-2.56	-2.51	F*0
3	11	H	3	11	SAI	TRH	-2.67	-2.54	F*0
4	11	H	1	12	SAN	TRH	-2.54	-2.43	F*0
5	11	H	2	12	SAN	TRH	-2.25	-2.21	F*0
6	11	H	5	12	SAN	TRH	-2.38	-2.24	F*0
7	11	H	6	12	MAN	TRH	-2.38	-2.22	F*0
8	11	H	2	13	MAI	TRH	-2.59	-2.51	F*0
9	11	H	1	14	SAN	TRH	-2.53	-2.46	F*0
10	11	H	2	14	MAI	TRH	-2.75	-2.61	F*0
11	11	H	3	14	SAN	TRH	-2.34	-2.24	F*0
12	11	H	1	15	MAN	TRH	-2.60	-2.55	F*0
13	11	H	5	15	SAI	TRH	-2.77	-2.63	F*0
14	11	H	1	16	SAN	TRH	-2.42	-2.34	F*0
15	11	H	2	16	SAI	TRH	-2.53	-2.46	F*0
16	11	H	5	16	SAI	TRH	-2.87	-2.73	F*0

11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
17	11	H	1	17	MAN	TRH	-2.92	-2.82	F*0
18	11	H	2	17	MAN	TRH	-2.31	-2.19	F*0
19	11	H	1	18	SAN	TRH	-2.43	-2.34	F*0
20	11	H	2	18	SAN	TRH	-2.55	-2.49	F*0
21	11	H	7	18	SAI	TRH	-2.78	-2.60	F*0
22	11	H	1	19	SAN	TRH	-2.62	-2.50	F*0
23	11	H	1	20	MAN	TRH	-2.65	-2.59	F*0
24	11	H	10	20	SAN	TRH	-2.67	-2.51	F*0
25	11	H	1	21	SAN	TRH	-2.64	-2.49	F*0
26	11	H	3	21	MAN	TRH	-2.52	-2.20	F*0
27	11	H	10	21	MAN	TRH	-2.64	-2.55	F*0
28	11	H	1	22	MAN	TRH	-2.65	-2.55	F*0
29	11	H	2	22	SAI	TRH	-2.57	-2.49	F*0
30	11	H	3	22	SAN	TRH	-2.53	-2.47	F*0
31	11	H	1	23	SAN	TRH	-2.48	-2.41	F*0
32	11	H	6	23	MAN	TRH	-2.55	-2.43	F*0
33	11	H	8	23	SAN	TRH	-2.50	-2.43	F*0
34	11	H	1	24	SAN	TRH	-2.59	-2.45	F*0
35	11	H	2	24	MAN	TRH	-2.56	-2.48	F*0
36	11	H	1	25	MAN	TRH	-2.53	-2.25	F*0
37	11	H	2	25	SAN	TRH	-2.52	-2.45	F*0
38	11	H	3	25	MAN	TRH	-2.61	-2.50	F*0
39	11	H	4	25	MAN	TRH	-2.51	-2.33	F*0
40	11	H	5	25	MAN	TRH	-2.53	-2.40	F*0
41	11	H	10	25	SAN	TRH	-2.51	-2.37	F*0
42	11	H	12	25	MAN	TRH	-2.59	-2.51	F*0
43	11	H	20	25	MAN	TRH	-2.68	-2.43	F*0
44	11	H	21	25	MAN	TRH	-2.77	-2.67	F*0
45	11	H	1	26	MAN	TRH	-2.53	-2.41	F*0
46	11	H	6	26	SAN	TRH	-2.50	-2.39	F*0
47	11	H	7	26	SAN	TRH	-2.48	-2.36	F*0
48	11	H	8	26	SAN	TRH	-2.59	-2.52	F*0
49	11	H	12	26	SAN	TRH	-2.45	-2.36	F*0
50	11	H	13	26	MAI	TRH	-2.65	-2.59	F*0
51	11	H	15	26	SAN	TRH	-2.44	-2.37	F*0
52	11	H	17	26	MAN	TRH	-2.41	-2.33	F*0
53	11	H	18	26	SAN	TRH	-2.55	-2.49	F*0
54	11	H	19	26	MAN	TRH	-2.53	-2.42	F*0
55	11	H	20	26	MAN	TRH	-2.64	-2.51	F*0
56	11	H	21	26	MAN	TRH	-2.53	-2.46	F*0
57	11	H	1	27	MAN	TRH	-2.76	-2.35	F*0
58	11	H	2	27	MAN	TRH	-2.35	-2.25	F*0
59	11	H	4	27	MAN	TRH	-2.43	-2.31	F*0
60	11	H	5	27	MAN	TRH	-2.56	-2.42	F*0

11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
61	11	H	6	27	SAN	TRH	-2.48	-2.21	F*0
62	11	H	7	27	MAN	TRH	-2.50	-2.38	F*0
63	11	H	13	27	MAN	TRH	-2.42	-2.30	F*0
64	11	H	19	27	MAN	TRH	-2.46	-2.37	F*0
65	11	H	20	27	MAN	TRH	-2.44	-2.31	F*0
66	11	H	1	28	MAN	TRH	-2.65	-2.53	F*0
67	11	H	4	28	SAN	TRH	-2.49	-2.33	F*0
68	11	H	5	28	MAN	TRH	-2.57	-2.45	F*0
69	11	H	6	28	SAN	TRH	-2.33	-2.26	F*0
70	11	H	7	28	SAN	TRH	-2.54	-2.47	F*0
71	11	H	8	28	SAI	TRH	-2.72	-2.64	F*0
72	11	H	9	28	SAN	TRH	-2.57	-2.49	F*0
73	11	H	10	28	SAN	TRH	-2.40	-2.33	F*0
74	11	H	12	28	SAN	TRH	-2.44	-2.37	F*0
75	11	H	16	28	SAN	TRH	-2.42	-2.35	F*0
76	11	H	18	28	SAN	TRH	-2.33	-2.26	F*0
77	11	H	19	28	MAN	TRH	-2.44	-2.36	F*0
78	11	H	20	28	MAN	TRH	-2.40	-2.30	F*0
79	11	H	1	29	MAN	TRH	-2.50	-2.31	F*0
80	11	H	2	29	SAN	TRH	-2.55	-2.45	F*0
81	11	H	5	29	SAN	TRH	-2.45	-2.23	F*0
82	11	H	7	29	MAN	TRH	-2.37	-2.29	F*0
83	11	H	8	29	SAN	TRH	-2.62	-2.51	F*0
84	11	H	11	29	SAN	TRH	-2.32	-2.26	F*0
85	11	H	12	29	MAN	TRH	-2.54	-2.41	F*0
86	11	H	15	29	SAN	TRH	-2.19	-2.11	F*0
87	11	H	17	29	SAI	TRH	-2.80	-2.70	F*0
88	11	H	18	29	SAN	TRH	-2.47	-2.33	F*0
89	11	H	19	29	MAN	TRH	-2.42	-2.21	F*0
90	11	H	20	29	MAN	TRH	-2.54	-2.36	F*0
91	11	H	21	29	SAN	TRH	-2.43	-2.39	F*0
92	11	H	1	30	SAN	TRH	-2.83	-2.62	F*0
93	11	H	5	30	SAN	TRH	-2.45	-2.38	F*0
94	11	H	7	30	MAN	TRH	-2.60	-2.45	F*0
95	11	H	8	30	SAI	TRH	-2.75	-2.61	F*0
96	11	H	9	30	SAN	TRH	-2.66	-2.48	F*0
97	11	H	11	30	SAI	TRH	-2.60	-2.52	F*0
98	11	H	13	30	SAN	TRH	-2.57	-2.39	F*0
99	11	H	14	30	MAN	TRH	-2.55	-2.45	F*0
100	11	H	15	30	SAN	TRH	-2.42	-2.35	F*0
101	11	H	19	30	MAN	TRH	-2.34	-2.23	F*0
102	11	H	20	30	MAN	TRH	-2.54	-2.44	F*0
103	11	H	21	30	SAN	TRH	-2.41	-2.26	F*0
104	11	H	1	31	MAN	TRH	-2.72	-2.55	F*0

11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
105	11	H	5	31	SAN	TRH	-2.48	-2.33	F*0
106	11	H	9	31	MAN	TRH	-2.61	-2.55	F*0
107	11	H	10	31	MAN	TRH	-2.74	-2.64	F*0
108	11	H	13	31	SAN	TRH	-2.56	-2.47	F*0
109	11	H	15	31	MAN	TRH	-2.54	-2.39	F*0
110	11	H	18	31	SAN	TRH	-2.48	-2.33	F*0
111	11	H	19	31	MAN	TRH	-2.42	-2.32	F*0
112	11	H	21	31	SAN	TRH	-2.50	-2.36	F*0
113	11	H	1	32	MAN	TRH	-2.70	-2.50	F*0
114	11	H	4	32	SAN	TRH	-2.46	-2.29	F*0
115	11	H	6	32	SAN	TRH	-2.66	-2.50	F*0
116	11	H	7	32	MAI	TRH	-2.60	-2.55	F*0
117	11	H	8	32	SAN	TRH	-2.52	-2.32	F*0
118	11	H	12	32	SAI	TRH	-2.64	-2.57	F*0
119	11	H	13	32	MAN	TRH	-2.64	-2.56	F*0
120	11	H	15	32	SAI	TRH	-2.65	-2.61	F*0
121	11	H	16	32	MAI	TRH	-2.68	-2.61	F*0
122	11	H	19	32	MAN	TRH	-2.41	-2.32	F*0
123	11	H	20	32	SAN	TRH	-2.44	-2.33	F*0
124	11	H	21	32	MAN	TRH	-2.43	-2.26	F*0
125	11	H	1	33	SAN	TRH	-2.80	-2.62	F*0
126	11	H	2	33	SAN	TRH	-2.60	-2.52	F*0
127	11	H	4	33	SAI	TRH	-2.62	-2.58	F*0
128	11	H	7	33	SAN	TRH	-2.64	-2.56	F*0
129	11	H	8	33	SAI	TRH	-2.63	-2.57	F*0
130	11	H	9	33	SAI	TRH	-2.66	-2.58	F*0
131	11	H	11	33	SAN	TRH	-2.66	-2.56	F*0
132	11	H	12	33	SAN	TRH	-2.55	-2.38	F*0
133	11	H	13	33	SAN	TRH	-2.66	-2.55	F*0
134	11	H	14	33	MAN	TRH	-2.66	-2.57	F*0
135	11	H	15	33	SAI	TRH	-2.62	-2.56	F*0
136	11	H	16	33	MAN	TRH	-2.38	-2.31	F*0
137	11	H	17	33	SAN	TRH	-2.38	-2.30	F*0
138	11	H	18	33	SAN	TRH	-2.47	-2.32	F*0
139	11	H	19	33	SAN	TRH	-2.36	-2.24	F*0
140	11	H	20	33	SAN	TRH	-2.41	-2.32	F*0
141	11	H	1	34	SAN	TRH	-2.81	-2.58	F*0
142	11	H	3	34	SAI	TRH	-2.61	-2.50	F*0
143	11	H	5	34	SAI	TRH	-2.69	-2.61	F*0
144	11	H	6	34	SAN	TRH	-2.53	-2.45	F*0
145	11	H	7	34	SAN	TRH	-2.66	-2.55	F*0
146	11	H	8	34	SAN	TRH	-2.62	-2.54	F*0
147	11	H	9	34	SAN	TRH	-2.74	-2.61	F*0
148	11	H	10	34	MAN	TRH	-2.59	-2.51	F*0

11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
149	11	H	11	34	MAN	TRH	-2.67	-2.55	F*0
150	11	H	12	34	MAN	TRH	-2.60	-2.52	F*0
151	11	H	13	34	SAN	TRH	-2.60	-2.50	F*0
152	11	H	15	34	SAI	TRH	-2.75	-2.64	F*0
153	11	H	16	34	SAI	TRH	-2.62	-2.54	F*0
154	11	H	17	34	SAN	TRH	-2.16	-2.09	F*0
155	11	H	18	34	SAN	TRH	-2.38	-2.30	F*0
156	11	H	19	34	MAN	TRH	-2.27	-2.20	F*0
157	11	H	1	35	SAN	TRH	-2.88	-2.72	F*0
158	11	H	2	35	SAN	TRH	-2.66	-2.51	F*0
159	11	H	4	35	SAN	TRH	-2.62	-2.54	F*0
160	11	H	5	35	SAI	TRH	-2.58	-2.52	F*0
161	11	H	6	35	SAN	TRH	-2.62	-2.54	F*0
162	11	H	7	35	SAI	TRH	-2.56	-2.47	F*0
163	11	H	8	35	MAI	TRH	-2.63	-2.55	F*0
164	11	H	9	35	SAI	TRH	-2.58	-2.53	F*0
165	11	H	10	35	SAI	TRH	-2.60	-2.56	F*0
166	11	H	12	35	SAN	TRH	-2.61	-2.57	F*0
167	11	H	13	35	SAN	TRH	-2.56	-2.47	F*0
168	11	H	14	35	MAI	TRH	-2.63	-2.55	F*0
169	11	H	15	35	SAN	TRH	-2.55	-2.44	F*0
170	11	H	16	35	SAN	TRH	-2.65	-2.57	F*0
171	11	H	20	35	SAI	TRH	-2.49	-2.41	F*0
172	11	H	1	36	MAN	TRH	-2.70	-2.51	F*0
173	11	H	2	36	MAN	TRH	-2.43	-2.29	F*0
174	11	H	4	36	MAI	TRH	-2.46	-2.39	F*0
175	11	H	5	36	SAN	TRH	-2.50	-2.41	F*0
176	11	H	6	36	SAI	TRH	-2.56	-2.52	F*0
177	11	H	7	36	SAI	TRH	-2.55	-2.48	F*0
178	11	H	8	36	MAI	TRH	-2.53	-2.45	F*0
179	11	H	9	36	SAN	TRH	-2.55	-2.47	F*0
180	11	H	10	36	SAI	TRH	-2.46	-2.42	F*0
181	11	H	12	36	SAI	TRH	-2.47	-2.43	F*0
182	11	H	13	36	MAN	TRH	-2.54	-2.39	F*0
183	11	H	14	36	MAN	TRH	-2.60	-2.47	F*0
184	11	H	15	36	SAN	TRH	-2.57	-2.50	F*0
185	11	H	16	36	MAN	TRH	-2.63	-2.52	F*0
186	11	H	17	36	SAI	TRH	-2.49	-2.39	F*0
187	11	H	20	36	SAN	TRH	-2.49	-2.35	F*0
188	11	H	21	36	SAN	TRH	-2.47	-2.36	F*0
189	11	H	1	37	MAN	TRH	-2.57	-2.41	F*0
190	11	H	2	37	MAN	TRH	-2.47	-2.36	F*0
191	11	H	3	37	SAI	TRH	-2.57	-2.50	F*0
192	11	H	6	37	MAN	TRH	-2.60	-2.51	F*0



11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
193	11	H	8	37	SAI	TRH	-2.54	-2.46	F*0
194	11	H	9	37	SAN	TRH	-2.58	-2.47	F*0
195	11	H	10	37	SAI	TRH	-2.53	-2.49	F*0
196	11	H	12	37	MAI	TRH	-2.60	-2.50	F*0
197	11	H	13	37	SAI	TRH	-2.50	-2.44	F*0
198	11	H	15	37	SAI	TRH	-2.47	-2.36	F*0
199	11	H	16	37	MAN	TRH	-2.52	-2.36	F*0
200	11	H	19	37	MAN	TRH	-2.67	-2.48	F*0
201	11	H	20	37	SAN	TRH	-2.51	-2.43	F*0
202	11	H	1	38	SAN	TRH	-2.82	-2.71	F*0
203	11	H	5	38	SAI	TRH	-2.58	-2.51	F*0
204	11	H	8	38	MAN	TRH	-2.71	-2.57	F*0
205	11	H	9	38	MAN	TRH	-2.52	-2.26	F*0
206	11	H	11	38	SAI	TRH	-2.41	-2.33	F*0
207	11	H	12	38	SAN	TRH	-2.57	-2.39	F*0
208	11	H	13	38	MAN	TRH	-2.38	-2.33	F*0
209	11	H	14	38	MAN	TRH	-2.53	-2.42	F*0
210	11	H	15	38	MAN	TRH	-2.46	-2.33	F*0
211	11	H	16	38	SAN	TRH	-2.55	-2.48	F*0
212	11	H	18	38	SAI	TRH	-2.51	-2.44	F*0
213	11	H	21	38	SAN	TRH	-2.58	-2.40	F*0
214	11	H	22	38	MAN	TRH	-2.64	-2.46	F*0
215	11	H	1	39	MAN	TRH	-2.46	-2.27	F*0
216	11	H	2	39	MAN	TRH	-2.49	-2.38	F*0
217	11	H	4	39	SAN	TRH	-2.57	-2.49	F*0
218	11	H	6	39	SAI	TRH	-2.51	-2.47	F*0
219	11	H	7	39	SAN	TRH	-2.42	-2.32	F*0
220	11	H	10	39	SAI	TRH	-2.45	-2.41	F*0
221	11	H	12	39	MAI	TRH	-2.59	-2.51	F*0
222	11	H	14	39	MAI	TRH	-2.60	-2.51	F*0
223	11	H	15	39	MAN	TRH	-2.43	-2.33	F*0
224	11	H	16	39	SAI	TRH	-2.43	-2.39	F*0
225	11	H	19	39	SAI	TRH	-2.48	-2.41	F*0
226	11	H	20	39	MAN	TRH	-2.61	-2.21	F*0
227	11	H	21	39	SAN	TRH	-2.56	-2.42	F*0
228	11	H	22	39	SAN	TRH	-2.57	-2.37	F*0
229	11	H	25	39	SAI	TRH	-2.53	-2.49	F*0
230	11	H	35	39	SAN	TRH	-2.46	-2.33	F*0
231	11	H	1	40	MAN	TRH	-2.58	-2.47	F*0
232	11	H	5	40	SAN	TRH	-2.35	-2.23	F*0
233	11	H	6	40	SAI	TRH	-2.46	-2.42	F*0
234	11	H	9	40	MAN	TRH	-2.44	-2.31	F*0
235	11	H	12	40	MAN	TRH	-2.41	-2.36	F*0
236	11	H	13	40	MAN	TRH	-2.36	-2.28	F*0

11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
237	11	H	14	40	SAN	TRH	-2.51	-2.42	F*0
238	11	H	15	40	SAN	TRH	-2.19	-2.12	F*0
239	11	H	19	40	MAN	TRH	-2.50	-2.39	F*0
240	11	H	20	40	MAN	TRH	-2.59	-2.39	F*0
241	11	H	22	40	MAN	TRH	-2.58	-2.34	F*0
242	11	H	1	41	MAN	TRH	-2.59	-2.49	F*0
243	11	H	7	41	MAN	TRH	-2.47	-2.41	F*0
244	11	H	12	41	SAN	TRH	-2.75	-2.63	F*0
245	11	H	15	41	MAN	TRH	-2.48	-2.34	F*0
246	11	H	16	41	SAN	TRH	-2.69	-2.62	F*0
247	11	H	17	41	SAN	TRH	-2.48	-2.38	F*0
248	11	H	18	41	SAN	TRH	-2.49	-2.33	F*0
249	11	H	19	41	SAN	TRH	-2.46	-2.34	F*0
250	11	H	20	41	SAN	TRH	-2.50	-2.34	F*0
251	11	H	4	42	MAN	TRH	-2.58	-2.47	F*0
252	11	H	6	42	MAI	TRH	-2.50	-2.43	F*0
253	11	H	8	42	SAN	TRH	-2.55	-2.37	F*0
254	11	H	11	42	SAI	TRH	-2.51	-2.43	F*0
255	11	H	12	42	MAN	TRH	-2.56	-2.46	F*0
256	11	H	14	42	SAN	TRH	-2.54	-2.49	F*0
257	11	H	15	42	MAI	TRH	-2.44	-2.34	F*0
258	11	H	16	42	SAN	TRH	-2.56	-2.48	F*0
259	11	H	19	42	SAN	TRH	-2.48	-2.38	F*0
260	11	H	20	42	SAN	TRH	-2.54	-2.30	F*0
261	11	H	21	42	MAN	TRH	-2.47	-2.34	F*0
262	11	H	1	43	SAN	TRH	-2.71	-2.56	F*0
263	11	H	2	43	SAN	TRH	-2.68	-2.57	F*0
264	11	H	6	43	MAN	TRH	-2.69	-2.56	F*0
265	11	H	8	43	SAN	TRH	-2.68	-2.62	F*0
266	11	H	12	43	SAN	TRH	-2.66	-2.61	F*0
267	11	H	14	43	SAN	TRH	-2.42	-2.32	F*0
268	11	H	15	43	MAN	TRH	-2.50	-2.41	F*0
269	11	H	17	43	MAN	TRH	-2.52	-2.41	F*0
270	11	H	19	43	SAN	TRH	-2.38	-2.27	F*0
271	11	H	21	43	SAN	TRH	-2.48	-2.34	F*0
272	11	H	22	43	SAN	TRH	-2.55	-2.36	F*0
273	11	H	1	44	SAN	TRH	-2.67	-2.59	F*0
274	11	H	5	44	SAN	TRH	-2.55	-2.48	F*0
275	11	H	6	44	SAN	TRH	-2.56	-2.45	F*0
276	11	H	7	44	SAN	TRH	-2.45	-2.41	F*0
277	11	H	10	44	MAN	TRH	-2.50	-2.39	F*0
278	11	H	12	44	SAN	TRH	-2.51	-2.41	F*0
279	11	H	13	44	SAI	TRH	-2.47	-2.40	F*0
280	11	H	14	44	MAN	TRH	-2.55	-2.46	F*0

11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
281	11	H	16	44	MAN	TRH	-2.60	-2.48	F*0
282	11	H	17	44	MAN	TRH	-2.53	-2.42	F*0
283	11	H	20	44	MAN	TRH	-2.59	-2.36	F*0
284	11	H	21	44	SAN	TRH	-2.56	-2.38	F*0
285	11	H	22	44	SAN	TRH	-2.47	-2.19	F*0
286	11	H	1	45	SAN	TRH	-2.54	-2.36	F*0
287	11	H	6	45	SAN	TRH	-2.51	-2.35	F*0
288	11	H	7	45	SAI	TRH	-2.62	-2.55	F*0
289	11	H	8	45	SAN	TRH	-2.68	-2.51	F*0
290	11	H	9	45	SAN	TRH	-2.47	-2.41	F*0
291	11	H	10	45	SAN	TRH	-2.72	-2.58	F*0
292	11	H	12	45	MAN	TRH	-2.60	-2.53	F*0
293	11	H	14	45	MAN	TRH	-2.93	-2.81	F*0
294	11	H	15	45	MAN	TRH	-2.48	-2.42	F*0
295	11	H	19	45	MAN	TRH	-2.47	-2.36	F*0
296	11	H	20	45	SAI	TRH	-2.58	-2.51	F*0
297	11	H	21	45	MAN	TRH	-2.46	-2.38	F*0
298	11	H	22	45	SAI	TRH	-2.59	-2.51	F*0
299	11	H	3	46	MAN	TRH	-2.62	-2.56	F*0
300	11	H	4	46	MAN	TRH	-2.60	-2.48	F*0
301	11	H	6	46	MAN	TRH	-2.53	-2.45	F*0
302	11	H	7	46	MAN	TRH	-2.49	-2.40	F*0
303	11	H	9	46	SAN	TRH	-2.53	-2.49	F*0
304	11	H	11	46	SAN	TRH	-2.48	-2.41	F*0
305	11	H	15	46	MAI	TRH	-2.36	-2.32	F*0
306	11	H	17	46	MAN	TRH	-2.54	-2.46	F*0
307	11	H	19	46	SAI	TRH	-2.50	-2.46	F*0
308	11	H	20	46	MAN	TRH	-2.22	-2.11	F*0
309	11	H	21	46	MAN	TRH	-2.54	-2.43	F*0
310	11	H	1	47	SAN	TRH	-2.57	-2.51	F*0
311	11	H	5	47	SAN	TRH	-2.47	-2.41	F*0
312	11	H	6	47	SAN	TRH	-2.50	-2.41	F*0
313	11	H	8	47	SAN	TRH	-2.58	-2.49	F*0
314	11	H	19	47	SAN	TRH	-2.48	-2.41	F*0
315	11	H	22	47	SAN	TRH	-2.71	-2.53	F*0
316	11	H	26	47	SAI	TRH	-2.48	-2.41	F*0
317	11	H	1	48	MAN	TRH	-2.51	-2.27	F*0
318	11	H	1	49	SAN	TRH	-2.43	-2.33	F*0
319	11	H	2	49	MAN	TRH	-2.59	-2.37	F*0
320	11	H	1	50	MAN	TRH	-2.73	-2.59	F*0
321	11	H	1	51	SAN	TRH	-2.42	-2.20	F*0
322	11	H	20	51	SAI	TRH	-2.32	-2.26	F*0
323	11	H	1	52	MAN	TRH	-2.43	-2.24	F*0
324	11	H	5	52	SAI	TRH	-2.57	-2.53	F*0

11 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
NO.	S/G	Leg	Row	Col	Indication	Location	Elev from	Elev to	Status
325	11	H	4	53	SAI	TRH	-2.66	-2.52	F*0
326	11	H	1	54	MAN	TRH	-2.70	-2.59	F*0
327	11	H	34	54	SAI	TRH	-2.76	-2.52	F*0
328	11	H	1	55	SAN	TRH	-2.79	-2.40	F*0
329	11	H	2	55	SAN	TRH	-2.57	-2.44	F*0
330	11	H	5	55	MAN	TRH	-2.77	-2.63	F*0
331	11	H	19	55	SAI	TRH	-2.21	-2.17	F*0
332	11	H	1	56	SAN	TRH	-2.84	-2.54	F*0
333	11	H	1	57	SAN	TRH	-2.71	-2.53	F*0
334	11	H	2	57	SAN	TRH	-2.39	-2.32	F*0
335	11	H	1	58	SAN	TRH	-2.73	-2.59	F*0
336	11	H	19	58	SAN	TRH	-2.45	-2.40	F*0
337	11	H	1	59	SAN	TRH	-2.81	-2.69	F*0
338	11	H	20	59	SAI	TRH	-2.46	-2.40	F*0
339	11	H	1	60	SAN	TRH	-2.74	-2.59	F*0
340	11	H	4	60	SAN	TRH	-2.46	-2.39	F*0
341	11	H	19	60	MAN	TRH	-2.45	-2.29	F*0
342	11	H	20	60	MAI	TRH	-2.48	-2.39	F*0
343	11	H	2	62	SAN	TRH	-2.49	-2.33	F*0
344	11	H	11	64	SAN	TRH	-2.59	-2.52	F*0
345	11	H	4	65	SAI	TRH	-2.64	-2.54	F*0
346	11	H	1	67	MAN	TRH	-2.67	-2.52	F*0
347	11	H	6	67	MAI	TRH	-2.81	-2.64	F*0
348	11	H	1	68	SAN	TRH	-2.74	-2.59	F*0
349	11	H	20	68	SAI	TRH	-2.69	-2.59	F*0
350	11	H	1	70	MAN	TRH	-2.65	-2.51	F*0
351	11	H	1	71	SAN	TRH	-2.51	-2.40	F*0
352	11	H	1	72	SAN	TRH	-2.63	-2.52	F*0
353	11	H	1	73	SAN	TRH	-2.56	-2.44	F*0
354	11	H	1	74	SAN	TRH	-2.71	-2.60	F*0
355	11	H	1	75	SAN	TRH	-2.55	-2.44	F*0
356	11	H	1	76	SAN	TRH	-2.66	-2.42	F*0
357	11	H	1	78	SAN	TRH	-2.81	-2.35	F*0
358	11	H	1	87	SAN	TRH	-2.67	-2.47	F*0

11 STEAM GENERATOR F*1 TUBES, BOC22, 2002									
No.	S/G	Leg	Row	Col	Percent	Location	Elev from	Elev to	Status
1	11	H	18	7	SVN	1BH	-2.81	-2.49	F*1
2	11	H	19	17	SAD	1BH	-1.22		F*1
3	11	H	23	17	SAN	1BH	-2.25	-2.06	F*1
4	11	H	8	27	SAD	1BH	-1.12		F*1
5	11	H	34	28	SAD	1BH	-1.12		F*1
6	11	H	26	35	SAD	1BH	-1.26		F*1
7	11	H	30	46	SAD	1BH	-1.02		F*1
8	11	H	12	51	SAD	1BH	-1.14		F*1
9	11	H	5	56	SAN	1BH	-1.34	-1.26	F*1
10	11	H	5	57	SAD	1BH	-1.07		F*1
11	11	H	11	58	SAD	1BH	-1.10	-0.99	F*1
12	11	H	12	63	SAD	1BH	-1.23		F*1
13	11	H	11	65	MAD	1BH	-1.28		F*1
14	11	H	6	72	MAN	1BH	-1.40	-1.18	F*1
15	11	H	8	78	MAN	1BH	-3.04	-2.43	F*1

11 STEAM GENERATOR F*2 TUBES, BOC22, 2002									
No.	S/G	Leg	Row	Col	Percent	Location	Elev from	Elev to	Status
1	11	H	22	35	SAN	2BH	-1.39	-1.32	F*2
2	11	H	2	51	MAN	2BH	-2.63	-0.10	F*2
3	11	H	9	67	MAN	2BH	-2.57	-1.37	F*2

11 STEAM GENERATOR EF* TUBES, BOC22, 2002									
No.	S/G	Leg	Row	Col	Percent	Location	Elev from	Elev to	Status
1	11	H	9	26	SAN	EBH	-13.46	-13.36	EF*
2	11	H	7	31	SAN	EBH	-13.72	-13.65	EF*
3	11	H	10	33	MAN	EBH	-13.29	-13.10	EF*
4	11	H	14	34	MAI	EBH	-13.37	-13.30	EF*
5	11	H	4	40	SAN	EBH	-13.30	-13.23	EF*
6	11	H	10	40	SCN	EBH	-14.65	-14.40	EF*
7	11	H	17	45	SAN	EBH	-12.29	-10.13	EF*
8	11	H	9	47	MAN	EBH	-12.45	-9.96	EF*
9	11	H	16	48	MAN	EBH	-12.96	-9.43	EF*
10	11	H	16	50	SAN	EBH	-10.68	-9.62	EF*
11	11	H	12	53	SAN	EBH	-9.20	-8.97	EF*
12	11	H	20	53	SVN	EBH	-12.89	-12.79	EF*
13	11	H	12	60	SAN	EBH	-13.31	-13.20	EF*
14	11	H	14	64	SAN	EBH	-9.02	-8.84	EF*
15	11	H	13	71	SAN	EBH	-10.49	-10.09	EF*
16	11	H	7	87	SAN	EBH	-13.45	-13.32	EF*

12 STEAM GENERATOR F*0 TUBES, BOC22, 2002									
No.	S/G	Leg	Row	Col	Percent	Location	Elev from	Elev to	Status
1	12	H	27	10	SAN	TRH	-2.53	-2.47	F*0
2	12	H	22	19	SAI	TRH	-2.55	-2.44	F*0
3	12	H	36	58	MAI	TRH	-2.66	-2.57	F*0
4	12	H	25	68	SAN	TRH	-2.62	-2.53	F*0
5	12	H	40	71	SAI	TRH	-2.67	-2.57	F*0
6	12	H	10	88	SCN	TRH	-2.25	-2.16	F*0

12 STEAM GENERATOR F*1 TUBES, BOC22, 2002									
No.	S/G	Leg	Row	Col	Percent	Location	Elev from	Elev to	Status
1	12	H	34	31	MAN	1BH	-1.18	-1.08	F*1
2	12	H	31	46	SAN	1BH	-1.16	-1.01	F*1
3	12	H	31	47	MAD	1BH	-1.00		F*1
4	12	H	32	47	MAD	1BH	-0.81		F*1
5	12	H	4	71	MAN	1BH	-1.96	-1.76	F*1