

March 2, 2001

Technical Specification 4.12.E

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

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-282 License Nos. DPR-42

2001 Unit 1 Steam Generator Inspection Results – 15 Day Report

In accordance with Technical Specification 4.12.E.1, the number of tubes plugged or sleeved in each steam generator is provided in Table 1.

Prairie Island Unit 1 RFO21 Plugs and Sleeves						
Type of Repair	EOC 20		2001 Repairs		BOC 21	
	11 SG	12 SG	11 SG	12 SG	11 SG	12 SG
Tubes Plugged	156	348	15	29	171	377
Tubes Sleeved	0	969	0	107	0	1076
% Equivalent Plugged per SG	4.60%	11.29%	0.44%	0.97%	5.05%	12.26%
% Equivalent Plugged per Unit	7.95%				8.65%	
Delta % Plugging Between Loops	6.69%				7.21%	
28 Sleeves = 1 plug						
Table 1						

The results of the inspection of 11 Steam Generator and 12 Steam Generator were classified as Category C-3 in accordance with Technical Specification 4.12 because more than 1% of the inspected tubes in each Steam Generator were defective. The NRC Staff was informed of the Category C-3 classification by telephone on January 29, 2001. In accordance with Technical Specification 4.12.E.3, a 30 day special report on the Category C-3 steam generator inspection will be provided by March 17, 2001.

In accordance with Technical Specification 4.12.E.2, this information will be expanded upon in the Inservice Inspection Report for Unit 1 which will be submitted within 90 days of the end of the current refueling outage.

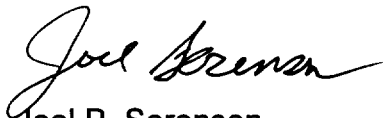
ADD

There were no conditions found per Technical Specification 4.12.E.5 for implementation of the voltage-based repair criteria which required notification of the NRC staff prior to returning the steam generators to service.

In accordance with Generic Letter 95-05 , the 90 day report required for the use of the voltage based repair criteria in Unit 1 will be submitted by May 25, 2001, 90 days after Unit 1 startup.

During the inspection and repair of tubes, F-Star (F*) and Elevated F-Star (EF*) Alternate Repair Criteria were utilized. Elevated rerolling was done in 11 Steam Generator. There are 321 tubes (in both steam generators) classified as F* tubes and 18 tubes (all in 11 steam generator) classified as EF* tubes. In accordance with Technical Specification 4.12.E.4, the identification of F* and EF* tubes by Row and Column and the location and extent of degradation are included in Attachment 1 to this letter.

Steam generator tubing examination and repairs were conducted from January 23, 2001 through February 15, 2001. 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.



Joel P. Sorensen
Site Vice President
Prairie Island Nuclear Generating Plant

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

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

ATTACHMENT 1

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

CODES

Landmarks

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

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
SCI = SINGLE CIRCUMFERENTIAL INDICATION
SVI = SINGLE VOLUMETRIC INDICATION
TRH = TOP OF OEM HARD ROLL HOT LEG

11 STEAM GENERATOR F*0 TUBES, BOC21, 2001								
S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	1	9	SAN	TRH	-2.7	-2.53	F*0
11	H	8	9	SCI	TRH	-2.56	-2.51	F*0
11	H	1	12	SAN	TRH	-2.54	-2.43	F*0
11	H	2	12	SAN	TRH	-2.25	-2.21	F*0
11	H	5	12	SAI	TRH	-2.38	-2.24	F*0
11	H	6	12	MAN	TRH	-2.38	-2.22	F*0
11	H	2	13	SAN	TRH	-2.31	-2.18	F*0
11	H	1	14	SAN	TRH	-2.53	-2.46	F*0
11	H	2	14	SAN	TRH	-2.36	-2.27	F*0
11	H	3	14	SAN	TRH	-2.34	-2.24	F*0
11	H	1	15	MAN	TRH	-2.6	-2.55	F*0
11	H	1	16	SAN	TRH	-2.42	-2.34	F*0
11	H	1	17	MAN	TRH	-2.46	-2.35	F*0
11	H	2	17	MAN	TRH	-2.31	-2.19	F*0
11	H	1	18	SAN	TRH	-2.43	-2.34	F*0
11	H	2	18	SAI	TRH	-2.46	-2.39	F*0
11	H	1	19	SAN	TRH	-2.62	-2.5	F*0
11	H	1	20	MAN	TRH	-2.65	-2.59	F*0

11 STEAM GENERATOR F*0 TUBES, BOC21, 2001								
S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	10	20	SAN	TRH	-2.67	-2.51	F*0
11	H	1	21	SAN	TRH	-2.64	-2.49	F*0
11	H	3	21	MAN	TRH	-2.52	-2.2	F*0
11	H	10	21	MAN	TRH	-2.5	-2.44	F*0
11	H	1	22	MAN	TRH	-2.65	-2.55	F*0
11	H	3	22	SAN	TRH	-2.53	-2.47	F*0
11	H	1	23	SAN	TRH	-2.48	-2.41	F*0
11	H	6	23	MAN	TRH	-2.55	-2.43	F*0
11	H	8	23	SAI	TRH	-2.48	-2.4	F*0
11	H	1	24	SAN	TRH	-2.59	-2.45	F*0
11	H	2	24	MAN	TRH	-2.47	-2.36	F*0
11	H	1	25	MAN	TRH	-2.53	-2.25	F*0
11	H	2	25	SAN	TRH	-2.46	-2.36	F*0
11	H	3	25	MAN	TRH	-2.61	-2.5	F*0
11	H	4	25	MAN	TRH	-2.51	-2.33	F*0
11	H	5	25	MAN	TRH	-2.53	-2.4	F*0
11	H	10	25	SAN	TRH	-2.51	-2.37	F*0
11	H	12	25	MAI	TRH	-2.55	-2.43	F*0
11	H	20	25	MAN	TRH	-2.58	-2.41	F*0
11	H	21	25	MAN	TRH	-2.6	-2.51	F*0
11	H	1	26	MAN	TRH	-2.53	-2.41	F*0
11	H	6	26	SAN	TRH	-2.39	-2.3	F*0
11	H	7	26	SAN	TRH	-2.48	-2.36	F*0
11	H	8	26	SAN	TRH	-2.5	-2.37	F*0
11	H	12	26	SAI	TRH	-2.45	-2.36	F*0
11	H	15	26	SAI	TRH	-2.44	-2.37	F*0
11	H	17	26	MAN	TRH	-2.41	-2.33	F*0
11	H	18	26	SAI	TRH	-2.54	-2.47	F*0
11	H	19	26	MAN	TRH	-2.53	-2.42	F*0
11	H	20	26	MAN	TRH	-2.53	-2.39	F*0
11	H	21	26	MAI	TRH	-2.53	-2.46	F*0
11	H	1	27	MAN	TRH	-2.76	-2.35	F*0
11	H	2	27	MAN	TRH	-2.35	-2.25	F*0
11	H	4	27	MAN	TRH	-2.43	-2.31	F*0
11	H	5	27	MAI	TRH	-2.56	-2.42	F*0
11	H	6	27	SAN	TRH	-2.48	-2.21	F*0
11	H	7	27	MAN	TRH	-2.5	-2.38	F*0
11	H	13	27	MAI	TRH	-2.42	-2.3	F*0
11	H	19	27	MAN	TRH	-2.46	-2.37	F*0
11	H	20	27	MAN	TRH	-2.44	-2.31	F*0
11	H	1	28	SAN	TRH	-2.54	-2.42	F*0
11	H	4	28	SAN	TRH	-2.49	-2.33	F*0

11 STEAM GENERATOR F*0 TUBES, BOC21, 2001								
S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	5	28	MAN	TRH	-2.49	-2.32	F*0
11	H	6	28	SAI	TRH	-2.33	-2.26	F*0
11	H	7	28	SAN	TRH	-2.45	-2.34	F*0
11	H	9	28	MAN	TRH	-2.47	-2.29	F*0
11	H	10	28	SAI	TRH	-2.4	-2.33	F*0
11	H	12	28	SAN	TRH	-2.44	-2.37	F*0
11	H	16	28	SAN	TRH	-2.35	-2.24	F*0
11	H	18	28	SAI	TRH	-2.33	-2.26	F*0
11	H	19	28	MAI	TRH	-2.44	-2.36	F*0
11	H	20	28	MAN	TRH	-2.4	-2.3	F*0
11	H	1	29	MAN	TRH	-2.5	-2.31	F*0
11	H	2	29	SAN	TRH	-2.55	-2.45	F*0
11	H	5	29	SAN	TRH	-2.45	-2.23	F*0
11	H	7	29	SAI	TRH	-2.37	-2.29	F*0
11	H	8	29	SAN	TRH	-2.58	-2.35	F*0
11	H	11	29	SAI	TRH	-2.32	-2.26	F*0
11	H	12	29	MAN	TRH	-2.54	-2.41	F*0
11	H	15	29	SAI	TRH	-2.19	-2.11	F*0
11	H	18	29	SAN	TRH	-2.47	-2.33	F*0
11	H	19	29	MAN	TRH	-2.42	-2.33	F*0
11	H	20	29	MAN	TRH	-2.54	-2.36	F*0
11	H	21	29	SAI	TRH	-2.43	-2.39	F*0
11	H	1	30	SAN	TRH	-2.83	-2.62	F*0
11	H	5	30	SAN	TRH	-2.53	-2.42	F*0
11	H	7	30	MAN	TRH	-2.6	-2.45	F*0
11	H	9	30	SAN	TRH	-2.66	-2.48	F*0
11	H	13	30	SAN	TRH	-2.57	-2.39	F*0
11	H	14	30	MAN	TRH	-2.55	-2.45	F*0
11	H	15	30	SAN	TRH	-2.61	-2.56	F*0
11	H	19	30	MAN	TRH	-2.34	-2.23	F*0
11	H	20	30	MAN	TRH	-2.54	-2.44	F*0
11	H	21	30	SAN	TRH	-2.41	-2.26	F*0
11	H	1	31	MAN	TRH	-2.72	-2.55	F*0
11	H	5	31	SAI	TRH	-2.57	-2.38	F*0
11	H	9	31	MAN	TRH	-2.61	-2.55	F*0
11	H	10	31	MAN	TRH	-2.74	-2.64	F*0
11	H	13	31	SAN	TRH	-2.56	-2.47	F*0
11	H	14	31	SAI	TRH	-2.57	-2.51	F*0
11	H	15	31	MAN	TRH	-2.54	-2.39	F*0
11	H	18	31	SAI	TRH	-2.45	-2.31	F*0
11	H	19	31	MAN	TRH	-2.42	-2.32	F*0
11	H	21	31	SAN	TRH	-2.5	-2.36	F*0

11 STEAM GENERATOR F*0 TUBES, BOC21, 2001								
S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	1	32	MAN	TRH	-2.71	-2.52	F*0
11	H	4	32	SAN	TRH	-2.51	-2.42	F*0
11	H	6	32	SAN	TRH	-2.5	-2.34	F*0
11	H	8	32	SAN	TRH	-2.78	-2.67	F*0
11	H	13	32	MAI	TRH	-2.52	-2.43	F*0
11	H	19	32	MAN	TRH	-2.41	-2.32	F*0
11	H	20	32	SAI	TRH	-2.43	-2.36	F*0
11	H	21	32	MAN	TRH	-2.43	-2.26	F*0
11	H	1	33	SAN	TRH	-2.73	-2.58	F*0
11	H	2	33	SAN	TRH	-2.51	-2.41	F*0
11	H	7	33	SAN	TRH	-2.47	-2.38	F*0
11	H	11	33	SAN	TRH	-2.6	-2.54	F*0
11	H	12	33	SAN	TRH	-2.5	-2.38	F*0
11	H	13	33	SAN	TRH	-2.54	-2.44	F*0
11	H	14	33	MAN	TRH	-2.52	-2.37	F*0
11	H	16	33	SAN	TRH	-2.38	-2.31	F*0
11	H	17	33	SAN	TRH	-2.38	-2.3	F*0
11	H	18	33	SAN	TRH	-2.5	-2.35	F*0
11	H	19	33	SAN	TRH	-2.36	-2.24	F*0
11	H	20	33	SAI	TRH	-2.41	-2.33	F*0
11	H	1	34	SAN	TRH	-2.61	-2.43	F*0
11	H	6	34	SAN	TRH	-2.53	-2.37	F*0
11	H	7	34	SAN	TRH	-2.62	-2.53	F*0
11	H	8	34	SAN	TRH	-2.44	-2.38	F*0
11	H	9	34	SAN	TRH	-2.55	-2.43	F*0
11	H	10	34	MAN	TRH	-2.6	-2.49	F*0
11	H	11	34	MAN	TRH	-2.61	-2.49	F*0
11	H	12	34	MAN	TRH	-2.6	-2.47	F*0
11	H	13	34	SAN	TRH	-2.66	-2.47	F*0
11	H	17	34	SAN	TRH	-2.16	-2.09	F*0
11	H	18	34	SAI	TRH	-2.43	-2.36	F*0
11	H	19	34	MAN	TRH	-2.27	-2.2	F*0
11	H	1	35	SAN	TRH	-2.88	-2.72	F*0
11	H	2	35	SAN	TRH	-2.63	-2.44	F*0
11	H	4	35	SAI	TRH	-2.61	-2.41	F*0
11	H	6	35	SAI	TRH	-2.51	-2.45	F*0
11	H	12	35	SAN	TRH	-2.63	-2.53	F*0
11	H	13	35	SAN	TRH	-2.56	-2.47	F*0
11	H	14	35	SAN	TRH	-2.65	-2.55	F*0
11	H	15	35	SAN	TRH	-2.54	-2.42	F*0
11	H	16	35	SAN	TRH	-2.68	-2.61	F*0
11	H	1	36	MAN	TRH	-2.7	-2.51	F*0

11 STEAM GENERATOR F*0 TUBES, BOC21, 2001								
S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	2	36	MAN	TRH	-2.48	-2.33	F*0
11	H	4	36	SAN	TRH	-2.53	-2.42	F*0
11	H	5	36	SAN	TRH	-2.5	-2.41	F*0
11	H	9	36	SAI	TRH	-2.55	-2.45	F*0
11	H	13	36	MAN	TRH	-2.54	-2.39	F*0
11	H	14	36	MAN	TRH	-2.6	-2.46	F*0
11	H	15	36	SAN	TRH	-2.57	-2.5	F*0
11	H	16	36	MAN	TRH	-2.71	-2.58	F*0
11	H	20	36	SAN	TRH	-2.49	-2.35	F*0
11	H	21	36	SAN	TRH	-2.47	-2.36	F*0
11	H	1	37	MAN	TRH	-2.57	-2.41	F*0
11	H	2	37	MAN	TRH	-2.57	-2.45	F*0
11	H	6	37	MAN	TRH	-2.55	-2.42	F*0
11	H	9	37	SAN	TRH	-2.58	-2.47	F*0
11	H	11	37	SAN	TRH	-2.55	-2.44	F*0
11	H	16	37	MAN	TRH	-2.78	-2.59	F*0
11	H	19	37	MAI	TRH	-2.65	-2.42	F*0
11	H	20	37	SAI	TRH	-2.51	-2.43	F*0
11	H	1	38	SAN	TRH	-2.61	-2.52	F*0
11	H	4	38	MAN	TRH	-2.61	-2.53	F*0
11	H	8	38	MAN	TRH	-2.77	-2.64	F*0
11	H	9	38	MAN	TRH	-2.52	-2.26	F*0
11	H	12	38	SAI	TRH	-2.62	-2.56	F*0
11	H	13	38	SAN	TRH	-2.38	-2.33	F*0
11	H	14	38	MAN	TRH	-2.72	-2.49	F*0
11	H	15	38	MAN	TRH	-2.46	-2.33	F*0
11	H	16	38	SAN	TRH	-2.64	-2.51	F*0
11	H	21	38	SAN	TRH	-2.58	-2.4	F*0
11	H	22	38	MAI	TRH	-2.57	-2.38	F*0
11	H	1	39	MAN	TRH	-2.46	-2.27	F*0
11	H	2	39	MAN	TRH	-2.38	-2.25	F*0
11	H	4	39	SAN	TRH	-2.52	-2.46	F*0
11	H	7	39	SAN	TRH	-2.42	-2.32	F*0
11	H	12	39	SAN	TRH	-2.7	-2.62	F*0
11	H	14	39	SAN	TRH	-2.74	-2.68	F*0
11	H	15	39	SAN	TRH	-2.43	-2.33	F*0
11	H	20	39	MAN	TRH	-2.61	-2.21	F*0
11	H	21	39	SAN	TRH	-2.5	-2.32	F*0
11	H	22	39	SAN	TRH	-2.57	-2.37	F*0
11	H	35	39	SAN	TRH	-2.46	-2.34	F*0
11	H	1	40	MAN	TRH	-2.58	-2.47	F*0
11	H	5	40	SAN	TRH	-2.35	-2.23	F*0

11 STEAM GENERATOR F*0 TUBES, BOC21, 2001								
S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	9	40	MAN	TRH	-2.44	-2.31	F*0
11	H	12	40	MAI	TRH	-2.19	-2.15	F*0
11	H	13	40	MAN	TRH	-2.36	-2.28	F*0
11	H	14	40	SAN	TRH	-2.7	-2.67	F*0
11	H	15	40	SAN	TRH	-2.19	-2.12	F*0
11	H	19	40	MAN	TRH	-2.45	-2.36	F*0
11	H	20	40	MAN	TRH	-2.56	-2.39	F*0
11	H	22	40	MAN	TRH	-2.58	-2.35	F*0
11	H	1	41	MAN	TRH	-2.49	-2.38	F*0
11	H	4	41	MAN	TRH	-2.42	-2.26	F*0
11	H	7	41	MAI	TRH	-2.23	-2.15	F*0
11	H	12	41	SAN	TRH	-2.75	-2.63	F*0
11	H	15	41	MAN	TRH	-2.41	-2.29	F*0
11	H	16	41	SAN	TRH	-2.69	-2.62	F*0
11	H	17	41	SAN	TRH	-2.47	-2.42	F*0
11	H	18	41	SAN	TRH	-2.46	-2.29	F*0
11	H	19	41	SAI	TRH	-2.46	-2.42	F*0
11	H	20	41	SAN	TRH	-2.61	-2.31	F*0
11	H	4	42	MAN	TRH	-2.47	-2.33	F*0
11	H	8	42	SAI	TRH	-2.42	-2.32	F*0
11	H	12	42	MAN	TRH	-2.76	-2.57	F*0
11	H	14	42	SAN	TRH	-2.51	-2.42	F*0
11	H	16	42	SAN	TRH	-2.54	-2.42	F*0
11	H	19	42	SAN	TRH	-2.49	-2.41	F*0
11	H	20	42	SAN	TRH	-2.54	-2.31	F*0
11	H	21	42	MAN	TRH	-2.45	-2.37	F*0
11	H	1	43	SAN	TRH	-2.56	-2.44	F*0
11	H	2	43	SAN	TRH	-2.68	-2.57	F*0
11	H	6	43	MAN	TRH	-2.69	-2.56	F*0
11	H	7	43	MAN	TRH	-2.5	-2.39	F*0
11	H	8	43	SAN	TRH	-2.68	-2.62	F*0
11	H	12	43	SAN	TRH	-2.66	-2.61	F*0
11	H	14	43	SAI	TRH	-2.42	-2.32	F*0
11	H	15	43	MAI	TRH	-2.5	-2.41	F*0
11	H	17	43	MAN	TRH	-2.48	-2.36	F*0
11	H	19	43	SAI	TRH	-2.44	-2.38	F*0
11	H	21	43	SAI	TRH	-2.42	-2.34	F*0
11	H	22	43	SAN	TRH	-2.52	-2.36	F*0
11	H	1	44	SAN	TRH	-2.6	-2.51	F*0
11	H	5	44	SAN	TRH	-2.49	-2.4	F*0
11	H	6	44	SAN	TRH	-2.62	-2.52	F*0
11	H	7	44	SAI	TRH	-2.46	-2.36	F*0

11 STEAM GENERATOR F*0 TUBES, BOC21, 2001								
S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	10	44	MAN	TRH	-2.87	-2.6	F*0
11	H	12	44	SAN	TRH	-2.67	-2.51	F*0
11	H	14	44	MAN	TRH	-2.73	-2.66	F*0
11	H	16	44	MAN	TRH	-2.72	-2.68	F*0
11	H	17	44	MAN	TRH	-2.44	-2.34	F*0
11	H	19	44	MAN	TRH	-2.42	-2.33	F*0
11	H	20	44	MAI	TRH	-2.59	-2.35	F*0
11	H	21	44	SAN	TRH	-2.45	-2.31	F*0
11	H	22	44	SAN	TRH	-2.47	-2.21	F*0
11	H	1	45	SAN	TRH	-2.54	-2.36	F*0
11	H	6	45	SAN	TRH	-2.51	-2.35	F*0
11	H	8	45	SAN	TRH	-2.68	-2.51	F*0
11	H	9	45	SAN	TRH	-2.47	-2.41	F*0
11	H	10	45	SAN	TRH	-2.72	-2.58	F*0
11	H	12	45	SAN	TRH	-2.6	-2.53	F*0
11	H	14	45	MAN	TRH	-2.93	-2.81	F*0
11	H	15	45	MAN	TRH	-2.48	-2.42	F*0
11	H	19	45	MAN	TRH	-2.47	-2.36	F*0
11	H	21	45	MAN	TRH	-2.46	-2.38	F*0
11	H	3	46	MAI	TRH	-2.6	-2.55	F*0
11	H	4	46	MAN	TRH	-2.61	-2.48	F*0
11	H	6	46	MAN	TRH	-2.6	-2.53	F*0
11	H	7	46	MAN	TRH	-2.54	-2.44	F*0
11	H	9	46	SAI	TRH	-2.52	-2.46	F*0
11	H	11	46	SAN	TRH	-2.51	-2.42	F*0
11	H	17	46	MAI	TRH	-2.4	-2.23	F*0
11	H	20	46	MAI	TRH	-2.22	-2.11	F*0
11	H	21	46	MAN	TRH	-2.76	-2.54	F*0
11	H	1	47	SAI	TRH	-2.57	-2.51	F*0
11	H	5	47	SAI	TRH	-2.47	-2.41	F*0
11	H	6	47	SAI	TRH	-2.5	-2.41	F*0
11	H	8	47	SAI	TRH	-2.58	-2.49	F*0
11	H	17	47	MAI	TRH	-2.51	-2.36	F*0
11	H	19	47	SAN	TRH	-2.48	-2.41	F*0
11	H	22	47	SAN	TRH	-2.72	-2.56	F*0
11	H	1	48	MAN	TRH	-2.51	-2.27	F*0
11	H	1	49	SAN	TRH	-2.43	-2.33	F*0
11	H	2	49	MAN	TRH	-2.59	-2.42	F*0
11	H	1	50	MAN	TRH	-2.73	-2.59	F*0
11	H	1	51	SAN	TRH	-2.42	-2.2	F*0
11	H	1	52	MAN	TRH	-2.43	-2.24	F*0
11	H	1	54	MAN	TRH	-2.4	-2.31	F*0

11 STEAM GENERATOR F*0 TUBES, BOC21, 2001								
S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	1	55	SAI	TRH	-2.79	-2.4	F*0
11	H	2	55	SAI	TRH	-2.57	-2.44	F*0
11	H	5	55	MAN	TRH	-2.77	-2.63	F*0
11	H	1	56	SAI	TRH	-2.84	-2.54	F*0
11	H	1	57	SAN	TRH	-2.68	-2.57	F*0
11	H	2	57	SAI	TRH	-2.39	-2.32	F*0
11	H	1	58	SAN	TRH	-2.83	-2.72	F*0
11	H	19	58	SAI	TRH	-2.45	-2.4	F*0
11	H	1	59	SAN	TRH	-2.81	-2.69	F*0
11	H	1	60	SAN	TRH	-2.74	-2.67	F*0
11	H	4	60	SAN	TRH	-2.46	-2.39	F*0
11	H	19	60	MAN	TRH	-2.45	-2.29	F*0
11	H	2	62	SAN	TRH	-2.49	-2.33	F*0
11	H	11	64	SAN	TRH	-2.59	-2.52	F*0
11	H	1	67	MAI	TRH	-2.67	-2.52	F*0
11	H	1	68	SAN	TRH	-2.74	-2.61	F*0
11	H	1	70	MAN	TRH	-2.51	-2.39	F*0
11	H	1	71	SAN	TRH	-2.49	-2.38	F*0
11	H	1	72	SAN	TRH	-2.63	-2.53	F*0
11	H	1	73	SAN	TRH	-2.54	-2.44	F*0
11	H	1	74	SAN	TRH	-2.71	-2.64	F*0
11	H	1	75	SAN	TRH	-2.53	-2.43	F*0
11	H	1	76	SAN	TRH	-2.66	-2.43	F*0
11	H	1	78	SAN	TRH	-2.64	-2.44	F*0
11	H	1	87	SAN	TRH	-2.67	-2.47	F*0
Total F*0 Tubes = 295								

11 STEAM GENERATOR F*1 TUBES, BOC21, 2001

S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	18	7	SVI	1BH	-2.81	-2.49	F*1
11	H	19	17	SAD	1BH	-1.22	0	F*1
11	H	23	17	SAN	1BH	-2.25	-2.01	F*1
11	H	8	27	SAD	1BH	-1.12	0	F*1
11	H	34	28	SAD	1BH	-1.12	0	F*1
11	H	26	35	SAD	1BH	-1.26	0	F*1
11	H	30	46	SAD	1BH	-1.02	0	F*1
11	H	12	51	SAD	1BH	-1.14	0	F*1
11	H	5	56	SAN	1BH	-1.34	-1.26	F*1
11	H	5	57	SAD	1BH	-1.07	0	F*1
11	H	11	58	SAN	1BH	-1.1	-0.99	F*1
11	H	12	63	SAD	1BH	-1.23	0	F*1
11	H	11	65	MAN	1BH	-1.28	-1.23	F*1
11	H	6	72	MAN	1BH	-1.4	-1.18	F*1
11	H	8	78	MAN	1BH	-3.04	-2.5	F*1

Total F*1 Tubes = 15

11 STEAM GENERATOR F*2 TUBES, BOC21, 2001

S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	22	35	SAN	2BH	-1.44	-1.27	F*2
11	H	2	51	MAI	2BH	-2.63	-0.1	F*2
11	H	9	67	MAN	2BH	-2.5	-1.57	F*2

Total F*2 Tubes = 3

11 STEAM GENERATOR EF* TUBES, BOC21, 2001

S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
11	H	9	26	SAN	EBH	-13.46	-13.36	EF*
11	H	13	29	SAN	EBH	-13.69	-13.58	EF*
11	H	7	31	SAN	EBH	-13.72	-13.65	EF*
11	H	14	32	SAN	EBH	-13.02	-12.98	EF*
11	H	10	33	MAN	EBH	-13.31	-13.13	EF*
11	H	14	34	SAN	EBH	-13.76	-13.71	EF*
11	H	4	40	SAN	EBH	-13.52	-13.48	EF*
11	H	10	40	SCI	EBH	-14.65	-14.4	EF*
11	H	17	45	SAN	EBH	-12.41	-10.41	EF*
11	H	9	47	MAN	EBH	-12.45	-9.96	EF*
11	H	16	48	MAN	EBH	-12.8	-9.14	EF*
11	H	16	50	SAN	EBH	-11.16	-10.08	EF*
11	H	12	53	SAN	EBH	-9.05	-8.87	EF*
11	H	20	53	SVI	EBH	-12.89	-12.79	EF*
11	H	12	60	SAN	EBH	-13.59	-13.42	EF*
11	H	14	64	SAN	EBH	-9.02	-8.84	EF*
11	H	13	71	SAN	EBH	-10.49	-10.09	EF*
11	H	7	87	SAN	EBH	-13.45	-13.32	EF*

Total EF* Tubes = 18

12 STEAM GENERATOR F*0 TUBES, BOC21, 2001

12	H	27	10	SAN	TRH	-2.53	-2.47	F*0
12	H	25	68	SAI	TRH	-2.64	-2.48	F*0
12	H	10	88	SCI	TRH	-2.25	-2.16	F*0

Total F*0 Tubes = 3

12 STEAM GENERATOR F*1 TUBES, BOC21, 2001

S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
12	H	34	31	MAN	1BH	-1.19	-1.05	F*1
12	H	31	46	SAN	1BH	-1.19	-1.05	F*1
12	H	31	47	MAD	1BH	-1	0	F*1
12	H	32	47	MAD	1BH	-0.81	0	F*1
12	H	4	71	MAN	1BH	-1.96	-1.76	F*1

Total F*1 Tubes = 5