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the southern electric system

Docket No. 50-364

10CFR50.36

April 20, 1988

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Joseph M. Farley Nuclear Plant - Unit 2
Steam Generator Eddy Current Inspection

As required by Section 4.4.6.5.b of the Farley Nuclear Plant Unit 2 Technical Specifications, Alabama Power Company herewith reports the results of eddy current testing conducted during the fifth refueling outage.

During the fifth refueling outage of Farley Unit 2 all non-plugged tubes in all three steam generators were inspected. The results are summarized below:

STEAM GENERATOR	NUMBER OF TUBES INSPECTED	NUMBER DEGRADED	NUMBER DEFECTIVE	F*
A	3264	26	13	12
B	3275	23	35	18
C	3250	86	61	58

A047
1/1

Table I (attached) identifies the tubes with imperfections by location, percent of wall-thickness penetration where applicable, RPC results where applicable and notes those plugged.

Respectfully submitted,

ALABAMA POWER COMPANY

R. P. McDonald

RPM/CDP:csl-V4

Attachment

cc: Mr. L. B. Long
Dr. J. N. Grace
Mr. E. A. Reeves
Mr. W. H. Bradford

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
A	9	12	SPH4	47.3	46%			YES
A	10	13	SPH4	48.9	44%			YES
A	35	17	SPH1		71%			YES
A	21	42	SPH2	0.7	DI	SAI	SAT.	YES
A	30	44	SPH1		71%			YES
A	32	47	TSH		DI	MAI	UNSAT.	YES
A	40	55	SPH1		66%			YES
A	2	56	SPH3		DI	SAI	UNSAT.	YES
A	43	58	SPH2		64%			YES
A	5	73	TSH		DI	MAI	UNSAT.	YES
A	4	74	TSH		DI	MAI	UNSAT.	YES
A	3	78	TSH		DI	MAI	UNSAT.	YES
A	6	92	SPH1		53%			YES
A	7	4	SPH5		33%			NO
A	21	10	TSH	0.9	35%			NO
A	35	25	AVB2	4.7	21%			NO
A	24	30	AVB4	6.3	23%			NO
A	32	46	AVB2	3.7	21%			NO
A	37	47	SPH1		28%			NO
A	28	52	AVB2	23.7	34%			NO
A	28	52	AVB2	3.5	32%			NO
A	31	52	SPH1		DI	SAI	SAT.	NO
A	31	52	AVB2	2.7	25%			NO
A	28	57	AVB2	2.2	33%			NO
A	28	57	AVB2	23.4	32%			NO
A	28	57	AVB4	4.1	28%			NO
A	30	58	SPH7	28.6	20%			NO
A	30	58	AVB2	24.6	22%			NO
A	25	61	AVB4	3.2	21%			NO
A	25	61	SPH7	28.1	24%			NO
A	25	61	AVB2	18.7	38%			NO
A	25	61	AVB2	1.2	31%			NO
A	41	61	AVB2	34.6	28%			NO
A	29	62	AVB2	3.0	28%			NO
A	29	62	AVB2	22.2	33%			NO
A	29	63	AVB2	1.5	25%			NO
A	29	63	AVB2	23.0	25%			NO
A	21	65	AVB2	1.1	27%			NO
A	38	72	SPH2		36%			NO
A	36	75	SPH7	33.0	21%			NO
A	33	22	SPH1		DI	MAI	SAT.	NO
A	40	40	SPHI		DI	SAI	SAT.	NO
A	34	51	SPH1		DI	SAI	SAT.	NO
A	40	69	SPH1		DI	SAI	SAT.	NO
A	19	86	SPH1		DI	SAI	SAT.	NO
A	14	92	SPH1		DI	SAI	SAT.	NO
A	6	2	SPH2		DI	SAI	SAT.	NO
A	39	36	SPH2		DI	SAI	SAT.	NO
A	6	88	SPH2		DI	SAI	SAT.	NO
A	32	46	AVB2	27.0	< 20			NO
A	29	52	AVB2	3.6	< 20			NO

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
A	19	74	AVB2	13.9	< 20			NO
A	30	58	AVB2	1.7	< 20			NO
A	41	61	AVB2	3.7	< 20			NO
A	21	65	AVB2	16.0	< 20			NO
A	21	65	SPH7	25.0	< 20			NO
A	29	62	SPH7	29.2	< 20			NO
A	8	86	SPC3		< 20			NO
A	9	7	SPC5		< 20			NO
A	16	51	SPC5		< 20			NO
A	31	58	SPC6	33.4	< 20			NO
A	17	18	SPC7		< 20			NO
A	17	18	TSH	4.5	< 20			NO
A	17	18	TSH	3.0	< 20			NO
A	6	33	SPC7		< 20			NO
A	22	26	SPH1	36.2	< 20			NO
A	34	34	SPH1		< 20			NO
A	36	38	SPH1		< 20			NO
A	40	38	SPH1		< 20			NO
A	33	37	SPH3	25.9	< 20			NO
A	19	11	SPH5		< 20			NO
A	19	40	SPH5		< 20			NO
A	21	41	SPH5		< 20			NO
A	20	11	SPH6		< 20			NO
A	36	40	SPH6		< 20			NO
A	30	83	SPH6		< 20			NO
A	41	38	SPH7		< 20			NO
A	15	22	TSC	1.6	< 20			NO
A	9	12	TSH	4.0	< 20			NO
A	11	19	TSH	4.8	< 20			NO
A	14	20	TSH	1.6	< 20			NO
A	15	23	TSH	1.5	< 20			NO
A	15	34	TSH	3.4	< 20			NO
A	29	41	TSH	1.4	< 20			NO
A	32	48	TSH	5.7	< 20			NO
A	44	56	TSH	3.4	< 20			NO
A	44	59	TSH	1.4	< 20			NO
A	9	13	TEH	16.3	80%			NO (F*)
A	15	15	TEH	10.7	98%			NO (F*)
A	15	31	TEH	15.8	87%			NO (F*)
A	12	40	TEH	16.5	78%			NO (F*)
A	13	40	TEH	18.6	87%			NO (F*)
A	15	48	TEH	4.5	69%			NO (F*)
A	13	52	TEH	13.5	50%			NO (F*)
A	7	59	TEH	16.5	82%			NO (F*)
A	10	60	TEH	3.2	58%			NO (F*)
A	13	61	TEH	1.2	41%			NO (F*)
A	13	71	TEH	13.5	53%			NO (F*)
A	16	84	TEH	17.4	67%			NO (F*)
A	16	84	TEH	4.1	42%			NO (F*)
B	12	3	SPH2		48%			YES
B	14	5	SPH2		52%			YES
B	17	7	SPH1		65%			YES

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
B	17	7	SPH5		57%			YES
B	8	9	TEH	20.3	62%			YES
B	12	15	SPH1		51%			YES
B	34	16	SPH1		89%			YES
B	24	18	SPH1		48%			YES
B	37	38	TSH		54%			YES
B	41	38	TSH		DI	MAI	UNSAT.	YES
B	46	42	SPH1		72%			YES
B	42	43	SPH1		58%			YES
B	2	55	SPH1		66%			YES
B	33	55	TEH	20.4	D1	MAI	UNSAT.	YES
B	21	56	TEH	20.4	67%			YES
B	22	56	TEH	20.4	DI	SAI	UNSAT.	YES
B	25	57	TEH	20.5	45%			YES
B	42	58	SPH7	36.0	41%			YES
B	18	60	SPH2		49%			YES
B	39	62	AVB4	3.8	40%			YES
B	43	62	SPH2		72%			YES
B	14	63	TEH	19.8	84%			YES
B	41	66	SPH1		DI	SAI	UNSAT.	YES
B	25	72	SPH2		49%			YES
B	34	76	SPH2		60%			YES
B	21	78	SPH2		86%			YES
B	32	78	SPH2		DI	SAI	UNSAT.	YES
B	4	80	SPH1		84%			YES
B	7	81	SPH2		71%			YES
B	18	81	SPH5		DI	MAI	UNSAT.	YES
B	12	82	TEH	20.3	76%			YES
B	3	84	SPH1		58%			YES
B	17	84	SPH1		66%			YES
B	18	86	SPH1		66%			YES
B	8	90	SPH1		DI	SAI	UNSAT.	YES
B	5	91	SPH1		64%			YES
B	20	6	SPH3		DI	SAI	SAT.	NO
B	3	15	TSH	2.8	33%			NO
B	34	19	SPH1		DI	SAI	SAT.	NO
B	14	21	TSH	3.1	31%			NO
B	29	27	AVB2	2.8	32%			NO
B	29	27	AVB2	24.4	28%			NO
B	41	40	SPH1		DI	SAI	SAT.	NO
B	39	43	SPH7	34.8	35%			NO
B	39	44	AVB2	6.3	24%			NO
B	39	44	SPH7	34.8	29%			NO
B	39	53	AVB2	5.8	31%			NO
B	39	53	SPH7	34.8	37%			NO
B	38	56	AVB2	5.4	28%			NO
B	38	56	AVB4	4.0	23%			NO
B	38	56	AVB2	34.1	37%			NO
B	28	57	AVB2	24.8	31%			NO
B	28	57	AVB2	4.3	33%			NO
B	28	57	AVB4	3.7	20%			NO
B	38	58	SPH7	33.7	28%			NO

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
B	38	58	AVB2	5.6	24%			NO
B	42	58	AVB2	6.0	31%			NO
B	39	62	AVB2	34.9	29%			NO
B	41	62	SPH1		35%			NO
B	4	67	SPH2		DI	SAI	SAT.	NO
B	7	68	SPC6		36%			NO
B	19	72	SPH2		30%			NO
B	33	78	SPH1		DI	SAI	SAT.	NO
B	2	81	SPH1		DI	SAI	SAT.	NO
B	30	81	SPH1		DI	SAI	SAT.	NO
B	2	84	SPH3		DI	SAI	SAT.	NO
B	6	88	SPH1		DI	SAI	SAT.	NO
B	6	92	SPH2		DI	SAI	SAT.	NO
B	3	93	SPH1		DI	SAI	SAT.	NO
B	40	32	AVB2	5.8	< 20			NO
B	39	43	AVB2	6.0	< 20			NO
B	39	44	AVB2	6.6	< 20			NO
B	24	55	AVB2	3.2	< 20			NO
B	24	55	AVB2	19.7	< 20			NO
B	13	38	SPC1		< 20			NO
B	13	38	TSC	1.9	< 20			NO
B	39	51	SPC1		< 20			NO
B	15	67	SPC3		< 20			NO
B	15	67	SPC7		< 20			NO
B	19	84	SPC3		< 20			NO
B	9	66	SPC5		< 20			NO
B	13	84	SPC5		< 20			NO
B	9	93	SPC5		< 20			NO
B	10	4	SPC6		< 20			NO
B	20	81	SPC6		< 20			NO
B	10	89	SPC6		< 20			NO
B	14	89	SPC6		< 20			NO
B	10	92	SPC6		< 20			NO
B	12	85	SPC7		< 20			NO
B	15	85	SPC7		< 20			NO
B	13	87	SPC7		< 20			NO
B	11	90	SPC7		< 20			NO
B	5	77	SPH2		< 20			NO
B	22	82	SPH2		< 20			NO
B	31	82	SPH2		< 20			NO
B	21	62	SPH2		< 20			NO
B	13	66	SPH5		< 20			NO
B	41	61	SPH6		< 20			NO
B	30	80	SPH6		< 20			NO
B	42	64	SPH7		< 20			NO
B	35	75	SPH7	36.1	< 20			NO
B	12	21	TSC	1.4	< 20			NO
B	11	2	TSH	1.1	< 20			NO
B	4	10	TSH	1.7	< 20			NO
B	18	22	TSH	1.6	< 20			NO
B	17	23	TSH	3.6	< 20			NO
B	13	25	TSH	2.9	< 20			NO

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
B	18	43	TSH	3.3	< 20			NO
B	9	46	TSH	3.9	< 20			NO
B	30	78	TSH	1.3	< 20			NO
B	30	78	TSH	5.0	< 20			NO
B	15	11	TEH	1.4	94%			NO (F*)
B	14	13	TEH	2.5	86%			NO (F*)
B	23	14	TEH	4.6	40%			NO (F*)
B	15	15	TEH	1.0	57%			NO (F*)
B	17	15	TEH	2.1	79%			NO (F*)
B	25	16	TEH	2.6	57%			NO (F*)
B	10	21	TEH	6.4	89%			NO (F*)
B	21	24	TEH	5.1	73%			NO (F*)
B	39	36	TEC	6.6	91%			NO (F*)
B	42	36	TEC	4.9	92%			NO (F*)
B	41	39	TEH	15.2	64%			NO (F*)
B	41	39	TEH	18.4	61%			NO (F*)
B	41	39	TEH	19.3	89%			NO (F*)
B	28	43	TEC	19.2	93%			NO (F*)
B	46	48	TEH	18.0	73%			NO (F*)
B	46	48	TEH	18.5	45%			NO (F*)
B	44	55	TEC	4.7	58%			NO (F*)
B	18	68	TEC	6.6	44%			NO (F*)
B	28	76	TEC	5.5	97%			NO (F*)
B	13	78	TEH	14.3	NDD	SAI		NO (F*)
B	19	78	TEC	4.7	81%			NO (F*)
B	19	78	TEC	6.6	84%			NO (F*)
B	21	79	TEC	17.3	69%			NO (F*)
C	13	4	SPH5		DI	SAI	UNSAT.	YES
C	17	5	SPH1		DI	MAI	UNSAT.	YES
C	14	11	SPH5		DI	SAI	UNSAT.	YES
C	23	11	TEH	19.7	DI	MAI	UNSAT.	YES
C	28	15	SPH3		42%			YES
C	8	16	SPH1		64%			YES
C	23	16	TEH	19.7	DI	MAI	UNSAT.	YES
C	28	16	SPH1		73%			YES
C	20	22	TEH	20.1	DI	MAI	UNSAT.	YES
C	39	22	SPH7		44%			YES
C	24	26	TEH	20.0	DI	MAI	UNSAT.	YES
C	44	34	SPH4		DI	SAI	UNSAT.	YES
C	44	36	SPH1		48%			YES
C	45	36	SPH1		DI	SAI	UNSAT.	YES
C	10	39	TEH	20.0	DI	MAI	UNSAT.	YES
C	7	40	TEH	20.0	DI	MAI	UNSAT.	YES
C	28	42	SPH1		76%			YES
C	35	42	SPH1		62%			YES
C	11	45	TEH	20.1	DI	MAI	UNSAT.	YES
C	7	47	TEH	20.1	DI	SAI	UNSAT.	YES
C	6	48	SPH1		57%			YES
C	9	48	TEH	20.1	79%			YES
C	31	48	SPH1		DI	SAI	UNSAT.	YES
C	8	51	SPH1		DI	SAI	UNSAT	YES
C	12	51	TEH	20.5	DI	MAI	UNSAT.	YES

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
C	36	51	SPH1		71%			YES
C	37	51	SPH1		59%			YES
C	36	53	SPH1		72%			YES
C	32	55	SPHI		65%			YES
C	37	55	SPH1		69%			YES
C	34	61	SPH1		70%			YES
C	37	62	SPH1		DI	SAI	UNSAT.	YES
C	26	63	SPH1		63%			YES
C	14	65	TSC	1.4	59%			YES
C	40	65	SPH1		DI	SAI	UNSAT.	YES
C	21	67	SPH1		DI	SAI	UNSAT.	YES
C	13	68	SPH1		DI	SAI	UNSAT.	YES
C	20	69	SPH1		DI	SAI	UNSAT.	YES
C	34	69	SPH1		DI	SAI	UNSAT.	YES
C	41	69	SPH1		71%			YES
C	8	70	TEH	20.0	DI	MAI	UNSAT.	YES
C	14	71	SPH1		57%			YES
C	7	72	TEH	20.0	DI	MAI	UNSAT.	YES
C	14	72	SPH1		DI	MAI	UNSAT.	YES
C	3	73	SPH2		78%			YES
C	32	75	SPH1		67%			YES
C	20	77	SPH3		71%			YES
C	28	77	SPH4		DI	SAI	UNSAT.	YES
C	5	79	TSH		DI	MAI	UNSAT.	YES
C	3	80	TSH		78%			YES
C	8	80	TEH	19.8	DI	MAI	UNSAT.	YES
C	22	80	SPH1		70%			YES
C	22	81	SPH1		DI	SAI	UNSAT.	YES
C	9	82	TEH	20.8	DI	MAI	UNSAT.	YES
C	19	84	SPH1		DI	SAI	UNSAT.	YES
C	23	84	SPH1		85%			YES
C	5	89	SPH1		DI	SAI	UNSAT.	YES
C	12	89	SPH1		72%			YES
C	19	90	SPH1		59%			YES
C	4	92	SPH1		DI	SAI	UNSAT.	YES
C	7	92	SPH1		72%			YES
C	6	1	SPH1		DI	MAI	SAT.	NO
C	14	8	SPH1		DI	SAI	SAT.	NO
C	29	12	SPH7		24%			NO
C	18	14	SPH1		DI	SAI	SAT.	NO
C	30	14	TSH	38.7	25%			NO
C	14	24	SPH2		DI	SAI	SAT.	NO
C	33	24	SPH1		DI	SAI	SAT.	NO
C	38	24	SPH1		DI	SAI	SAT.	NO
C	37	25	SPH1		DI	SAI	SAT.	NO
C	34	33	SPH2		35%			NO
C	33	35	TSH	2.2	25%			NO
C	39	35	AVB2	32.3	24%			NO
C	32	36	SPH6		32%			NO
C	33	38	SPH1		DI	SAI	SAT.	NO
C	39	39	SPH2		DI	SAI	SAT.	NO
C	36	43	SPH1		DI	SAI	SAT.	NO

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
C	40	43	SPH1		DI	SAI	SAT.	NO
C	36	46	SPH1		DI	SAI	SAT.	NO
C	18	47	SPH1		33%			NO
C	45	47	SPH1		DI	SAI	SAT.	NO
C	42	48	SPH4		36%			NO
C	4	51	SPH1		DI	MAI	SAT.	NO
C	28	51	SPH1		DI	SAI	SAT.	NO
C	42	51	SPH4		DI	SAI	SAT.	NO
C	34	53	SPH1		DI	SAI	SAT.	NO
C	29	54	SPH1		DI	SAI	SAT.	NO
C	35	55	SPH6		DI	SAI	SAT.	NO
C	38	58	SPH6		22%			NO
C	41	59	SPH2		DI	SAI	SAT.	NO
C	45	59	SPH2		DI	SAI	SAT.	NO
C	35	60	SPH1		DI	SAI	SAT.	NO
C	29	62	AVB2	3.5	29%			NO
C	33	62	SPH1		DI	SAI	SAT.	NO
C	38	62	SPH1		DI	SAI	SAT.	NO
C	33	63	SPH1		DI	SAI	SAT.	NO
C	18	64	AVB2		21%			NO
C	18	64	AVB2	12.0	24%			NO
C	37	64	SPH1		DI	SAI	SAT.	NO
C	41	64	SPH1		DI	SAI	SAT.	NO
C	42	64	SPH1		DI	SAI	SAT.	NO
C	38	65	SPH1		DI	SAI	SAT.	NO
C	42	65	SPH1		DI	SAI	SAT.	NO
C	3	66	SPH1		DI	SAI	SAT.	NO
C	16	68	SPH1		DI	SAI	SAT.	NO
C	27	68	SPH1		DI	SAI	SAT.	NO
C	4	69	SHP2		DI	SAI	SAT.	NO
C	34	70	SPH1		DI	SAI	SAT.	NO
C	35	70	SPH1		DI	SAI	SAT.	NO
C	35	70	SPH2		DI	SAI	SAT.	NO
C	33	71	SPH1		DI	SAI	SAT.	NO
C	38	71	SPH1		DI	SAI	SAT.	NO
C	20	72	SPH1		DI	MAI	SAT.	NO
C	19	73	SPH1		DI	SAI	SAT.	NO
C	35	73	SPH1		DI	MAI	SAT.	NO
C	16	74	SPH1		DI	SAI	SAT.	NO
C	34	74	SPH1		DI	SAI	SAT.	NO
C	35	74	SPH1		DI	MAI	SAT.	NO
C	5	75	SPH1		DI	SAI	SAT.	NO
C	16	75	SPH1		DI	MAI	SAT.	NO
C	20	75	SPH1		DI	MAI	SAT.	NO
C	33	75	SPH6		DI	SAI	SAT.	NO
C	34	75	SPH2		DI	SAI	SAT.	NO
C	35	76	SPH1		DI	SAI	SAT.	NO
C	26	77	SPH1		DI	SAI	SAT.	NO
C	28	77	SPH1		DI	MAI	SAT.	NO
C	32	77	SPH2		DI	SAI	SAT.	NO
C	30	79	SPH4		DI	SAI	SAT.	NO
C	24	80	SPH1		DI	SAI	SAT.	NO

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
C	5	81	SPH2		DI	SAI	SAT.	NO
C	15	83	SPH1		DI	SAI	SAT.	NO
C	17	83	SPH1		DI	SAI	SAT.	NO
C	20	83	SPH2		DI	SAI	SAT.	NO
C	25	83	SPH5		22%			NO
C	15	84	SPH2		DI	SAI	SAT.	NO
C	29	84	SPH1		DI	SAI	SAT.	NO
C	19	85	SPH2		DI	SAI	SAT.	NO
C	20	85	SPH1		DI	SAI	SAT.	NO
C	21	85	SPH1		DI	SAI	SAT.	NO
C	13	86	SPH2		DI	SAI	SAT.	NO
C	15	87	SPH1		DI	SAI	SAT.	NO
C	16	87	SPH1		DI	SAI	SAT.	NO
C	10	89	SPH1		DI	SAI	SAT.	NO
C	14	89	SPH1		DI	MAI	SAT.	NO
C	21	89	SPH1		DI	MAI	SAT.	NO
C	10	90	SPH1		DI	SAI	SAT.	NO
C	10	91	SPH1		DI	SAI	SAT.	NO
C	13	91	SPH1		DI	SAI	SAT.	NO
C	17	91	SPH1		DI	SAI	SAT.	NO
C	7	92	SPH2		DI	SAI	SAT.	NO
C	10	92	SPH1		DI	SAI	SAT.	NO
C	15	64	AVB2		< 20			NO
C	8	34	SPC1		< 20			NO
C	7	51	SPC2		< 20			NO
C	18	53	SPC2		< 20			NO
C	4	86	SPC2		< 20			NO
C	20	32	SPC5		< 20			NO
C	8	68	SPC5		< 20			NO
C	5	69	SPC5		< 20			NO
C	4	78	SPC5		< 20			NO
C	4	78	SPC6		< 20			NO
C	9	18	SPC6		< 20			NO
C	7	12	SPC7		< 20			NO
C	41	47	SPC7		< 20			NO
C	4	69	SPC7		< 20			NO
C	16	81	SPC7		< 20			NO
C	10	88	SPC7		< 20			NO
C	7	1	SPH1		< 20			NO
C	12	38	SPH1		< 20			NO
C	19	83	SPH1		< 20			NO
C	11	89	SPH1		< 20			NO
C	5	72	SPH3		< 20			NO
C	14	34	SPH5		< 20			NO
C	13	64	SPH5		< 20			NO
C	14	68	SPH5		< 20			NO
C	13	69	SPH5		< 20			NO
C	18	69	SPH5		< 20			NO
C	2	74	SPH5		< 20			NO
C	8	76	SPH5		< 20			NO
C	24	85	SPH5		< 20			NO
C	24	85	SPH6		< 20			NO

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
C	25	85	SPH5		< 20			NO
C	12	2	SPH6		< 20			NO
C	10	68	SPH6		< 20			NO
C	15	69	SPH6		< 20			NO
C	15	70	SPH6		< 20			NO
C	27	77	SPH6		< 20			NO
C	10	80	SPH6		< 20			NO
C	28	35	SPH7		< 20			NO
C	19	69	SPH7		< 20			NO
C	12	67	TSC	1.0	< 20			NO
C	27	11	TSH	42.9	< 20			NO
C	30	13	TSH	16.5	< 20			NO
C	8	23	TSH	1.0	< 20			NO
C	15	25	TSH	1.2	< 20			NO
C	27	26	TSH	32.2	< 20			NO
C	25	27	TSH	29.2	< 20			NO
C	30	31	TSH	3.2	< 20			NO
C	16	39	TSH	2.4	< 20			NO
C	18	39	TSH	0.8	< 20			NO
C	11	3	TEH	5.1	68%			NO (F*)
C	29	12	TEH	13.3	50%			NO (F*)
C	14	15	TEH	15.4	62%			NO (F*)
C	2	20	TEH	15.8	70%			NO (F*)
C	25	21	TEH	13.7	50%			NO (F*)
C	23	24	TEH	2.1	78%			NO (F*)
C	4	26	TEH	11.1	56%			NO (F*)
C	9	29	TEH	17.4	82%			NO (F*)
C	17	30	TEH	18.6	89%			NO (F*)
C	28	32	TEH	10.6	59%			NO (F*)
C	25	35	TEH	14.2	73%			NO (F*)
C	14	38	TEH	5.7	50%			NO (F*)
C	11	39	TEH	1.9	97%			NO (F*)
C	15	41	TEH	16.1	84%			NO (F*)
C	25	41	TEH	12.6	58%			NO (F*)
C	7	43	TEH	2.7	82%			NO (F*)
C	6	51	TEH	18.3	68%			NO (F*)
C	8	52	TEH	10.2	96%			NO (F*)
C	11	54	TEH	2.5	92%			NO (F*)
C	3	58	TEH	12.9	76%			NO (F*)
C	9	58	TEH	3.2	98%			NO (F*)
C	11	58	TEH	16.2	98%			NO (F*)
C	9	59	TEH	14.2	96%			NO (F*)
C	10	60	TEH	9.7	98%			NO (F*)
C	10	60	TEH	12.5	84%			NO (F*)
C	10	60	TEH	18.4	95%			NO (F*)
C	10	61	TEH	5.9	93%			NO (F*)
C	10	61	TEH	16.3	84%			NO (F*)
C	8	62	TEH	17.1	75%			NO (F*)
C	8	62	TEH	12.0	96%			NO (F*)
C	9	62	TEH	6.8	96%			NO (F*)
C	10	62	TEH	9.5	72%			NO (F*)
C	11	62	TEH	17.0	80%			NO (F*)

TABLE I

S/G	ROW	COL	REFERENCE POINT	DISTANCE FROM REFERENCE	WALL THICKNESS PENETRATION	RPC**	VOLTAGE**	PLUGGED
C	11	63	TEH	18.9	78%			NO (F*)
C	9	64	TEH	10.5	92%			NO (F*)
C	9	64	TEH	14.4	86%			NO (F*)
C	9	64	TEH	17.3	90%			NO (F*)
C	10	65	TEH	16.0	85%			NO (F*)
C	12	65	TEH	13.1	96%			NO (F*)
C	13	65	TEH	13.2	97%			NO (F*)
C	8	67	TEH	10.7	89%			NO (F*)
C	9	67	TEH	7.6	99%			NO (F*)
C	7	68	TEH	18.2	82%			NO (F*)
C	8	68	TEH	11.6	96%			NO (F*)
C	18	68	TEH	18.1	53%			NO (F*)
C	11	69	TEH	11.3	97%			NO (F*)
C	8	70	TEH	10.6	97%			NO (F*)
C	7	71	TEH	16.4	78%			NO (F*)
C	12	71	TEH	7.8	50%			NO (F*)
C	12	71	TEH	12.2	50%			NO (F*)
C	8	72	TEH	14.2	53%			NO (F*)
C	11	72	TEH	3.1	97%			NO (F*)
C	11	72	TEH	15.9	75%			NO (F*)
C	11	73	TEH	9.2	68%			NO (F*)
C	12	73	TEH	12.9	68%			NO (F*)
C	13	73	TEH	13.2	57%			NO (F*)
C	8	74	TEH	19.0	96%			NO (F*)
C	11	74	TEH	7.5	81%			NO (F*)
C	11	74	TEH	18.0	98%			NO (F*)
C	11	74	TEH	16.6	85%			NO (F*)
C	13	74	TEH	9.1	96%			NO (F*)
C	9	75	TEH	14.2	85%			NO (F*)
C	11	75	TEH	15.8	99%			NO (F*)
C	10	76	TEH	9.4	95%			NO (F*)
C	9	77	TEH	18.8	98%			NO (F*)
C	12	77	TEH	12.1	71%			NO (F*)
C	7	80	TEH	19.3	80%			NO (F*)
C	12	84	TEH	19.1	73%			NO (F*)
C	10	86	TEH	9.5	89%			NO (F*)

** Non-quantifiable indications were characterized with the RPC and preventively plugged where evidence of cracking greater than 40% through-wall was found based on a voltage criterion.

CDP:csl-V4