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SUBJECT: Forwards results of SG tube eddy current insps completed
 in Oct 1995 during Unit 1 seventh refueling outage.

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Pacific Gas and Electric Company

Diablo Canyon Power Plant
P.O. Box 56
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805/545-6000

Robert P. Powers
Vice President-Diablo Canyon
Operations and Plant Manager

October 29, 1996

PG&E Letter DCL-96-198



U.S. Nuclear Regulatory Commission
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Docket No. 50-275, OL-DPR-80
Diablo Canyon Unit 1
Special Report 96-05: Results of Steam Generator Tube Eddy Current
Inspections During Unit 1 Seventh Refueling Outage

Dear Commissioner and Staff:

In accordance with Diablo Canyon Technical Specifications 6.9.2 and 4.4.5.5b, this special report provides the results of steam generator (SG) tube eddy current inspections completed in October 1995 during the Unit 1 seventh refueling outage.

The enclosed tables provide the number and extent of tubes inspected in each SG and the location and percent through-wall of each indication.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert P. Powers'. The signature is fluid and cursive, with the first name 'Robert' being the most prominent.

Robert P. Powers

cc: Steven D. Bloom
L. J. Callan
Kenneth E. Perkins
Michael D. Tschiltz
Diablo Distribution (w/o enc.)

Enclosure

DDM/469

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SPECIAL REPORT 96-05

**RESULTS OF STEAM GENERATOR TUBE EDDY CURRENT INSPECTIONS
DURING UNIT 1 SEVENTH REFUELING OUTAGE**

Table 1
Definitions of Abbreviations and Terms Used in Tables 2 and 3

SG	--	Steam Generator
Row	--	Row
Col	--	Column
Indication	--	Percent through-wall or Indication Code (below)
SAI	--	Single axial indication
MAI	--	Multiple axial indication
SCI	--	Single circumferential indication
MCI	--	Multiple circumferential indication
SVI	--	Single volumetric indication
MBM	--	Manufacturer's burnish mark
MMB	--	Multiple Manufacturer's burnish marks
LOC	--	SG Location Codes (see Figure 1 for definitions)
Distance	--	Distance above or below the TSP (Tube Support Plate) center line or the TS (tube sheet) top
Plugged	--	Tube identified as defective & plugged

Table 2
Tubes Inspected During 1R7

Probe	Extent	Comments	SG 1-1	SG 1-2	SG 1-3	SG 1-4
Bobbin	TEH-TEC	Full length	2976	2974	3002	3001
Bobbin	7H-TEH	Rows 1-4	368	358	374	376
Bobbin	7H-TEC	Rows 3-4	188	186	188	188
Bobbin	7C-TEC	Rows 1-2	180	172	186	188
Bobbin	ITH-TEH	Implant Tubes	12			
Bobbin	ITH-TEC	Implant Tubes	12			
MRPC	7C-7H	Rows 1-2 U-Bend	180	172	186	188
+ Point	1H-1H	Hot Leg TSP	41	313	130	744
+ Point	2H-2H	Hot Leg TSP	90	243	57	218
+ Point	3H-3H	Hot Leg TSP	29	121	24	68
+ Point	4H-4H	Hot Leg TSP	2	23	11	1
+ Point	5H-5H	Hot Leg TSP	7	1	15	1
+ Point	6H-6H	Hot Leg TSP			1	
+ Point	7H-7H	Hot Leg TSP	1		1	
+ Point	1C-1C	Cold Leg TSP	9	20	2	
+ Point	2C-2C	Cold Leg TSP	2	14	2	19
+ Point	3C-3C	Cold Leg TSP			1	
+ Point	4C-4C	Cold Leg TSP	1			1
+ Point	5C-5C	Cold Leg TSP	1			
+ Point	TSH-TSH	Hot Leg Tubesheet	946	1139	947	945
+ Point	TEH-TSH	Hot Leg Tubesheet	20			
+ Point	TSC-TSC	Cold Leg Tubesheet	2		1	1
+ Point	TEC-TSC	Cold Leg Tubesheet			2	

Probe Notes:

+ Point: 3 coil rotating probe (two pancake coils and + Point coil)
 MRPC: Motorized rotating pancake coil probe (single pancake coil)
 Bobbin: Differential inside diameter coil

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-1	3	1	5H	2.7	MBM	
	1	4	1C	0.0	14	
	1	4	TSC	17.6	37	
	1	4	7H	7.6	SCI	Plugged
	1	5	TSC	17.6	31	
	9	6	1H	43.8	13	
	9	7	3C	33.5	MBM	
	16	9	7H	19.3	MBM	
	14	11	TSH	-0.7	SAI	Plugged
	14	13	1H	-0.2	SAI	Plugged
	22	13	1H	-0.1	MAI	Plugged
	22	13	3H	-0.3	SAI	Plugged
	13	16	4H	12.1	11	
	20	17	1H	-0.3	SAI	Plugged
	35	17	1C	-0.1	18	
	29	18	7H	75.5	11	
	32	19	7H	82.8	13	
	7	21	6H	43.2	MBM	
	12	21	3H	36.1	MBM	
	22	21	2H	-0.4	SAI	Plugged
	38	22	7H	69.5	MBM	
	38	22	7H	77.9	MBM	
	29	33	TSH	0.0	SVI	Plugged
	30	23	7H	33.0	MBM	
	38	23	7H	30.6	MBM	
	3	24	4C	19.2	MBM	
	40	24	7H	22.6	MBM	
	40	24	7H	66.9	MBM	
	39	25	7H	69.8	MBM	
	1	26	6C	48.1	MBM	
	7	26	7C	1.5	MBM	
	38	26	TSH	4.2	MBM	
	9	28	4H	40.3	MBM	
	20	28	2H	-0.3	SAI	Plugged
	4	29	3C	4.4	MBM	
	4	29	2C	40.7	MBM	
	42	29	2C	-0.2	36	
	40	30	7H	158.2	MBM	
	43	30	7H	37.6	19	
	10	31	TSC	16.9	MBM	
	37	32	1H	0.0	SAI	Plugged
	27	33	7H	85.8	MBM	
	42	34	1H	41.0	12	
	44	34	2C	-0.2	16	
	44	34	1C	-0.3	35	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-1	17	35	7H	35.3	20	
	40	35	7H	103.6	16	
	19	36	2H	-0.2	SAI	Plugged
	27	36	4H	40.9	MBM	
	9	37	3H	23.3	MBM	
	29	37	2H	-0.1	SAI	Plugged
	31	37	4H	40.5	MBM	
	44	37	2C	-0.2	22	
	10	38	7H	24.6	MBM	
	15	38	TEH	1.4	MAI	Plugged
	15	38	TEH	12.2	SAI	Plugged
	15	38	TEH	2.4	MCI	Plugged
	27	38	1H	-0.2	SAI	Plugged
	44	38	2C	0.0	46	Plugged
	44	39	7H	102.6	MBM	
	2	40	6C	3.2	MBM	
	2	40	5C	23.0	MBM	
	2	40	5C	19.8	MBM	
	2	40	5C	39.4	MBM	
	2	40	5C	35.7	MBM	
	2	41	5C	34.5	MBM	
	12	41	1C	0.2	20	
	26	41	7H	107.1	MBM	
	45	41	2C	0.1	37	
	3	42	4H	13.1	MBM	
	35	42	2H	-0.5	MAI	Plugged
	3	43	5H	-1.5	MBM	
	18	43	4H	12.3	MBM	
	21	43	2H	-0.2	SAI	Plugged
	22	43	5C	28.3	MBM	
	32	43	4C	10.9	MBM	
	36	43	2H	-0.3	SAI	Plugged
	40	43	7H	68.4	30	
	40	43	7H	104.0	32	
	40	43	7H	104.8	27	
	40	44	7H	104.9	12	
	41	44	7H	107.6	15	
	41	44	7H	138.1	11	
	34	45	3H	27.5	MBM	
	28	46	2H	-0.2	SAI	Plugged
	29	46	4H	32.1	MBM	
	32	46	TSC	19.8	12	
	37	46	7H	63.4	28	
	38	46	7H	13.1	MBM	
	46	46	3H	39.2	MBM	

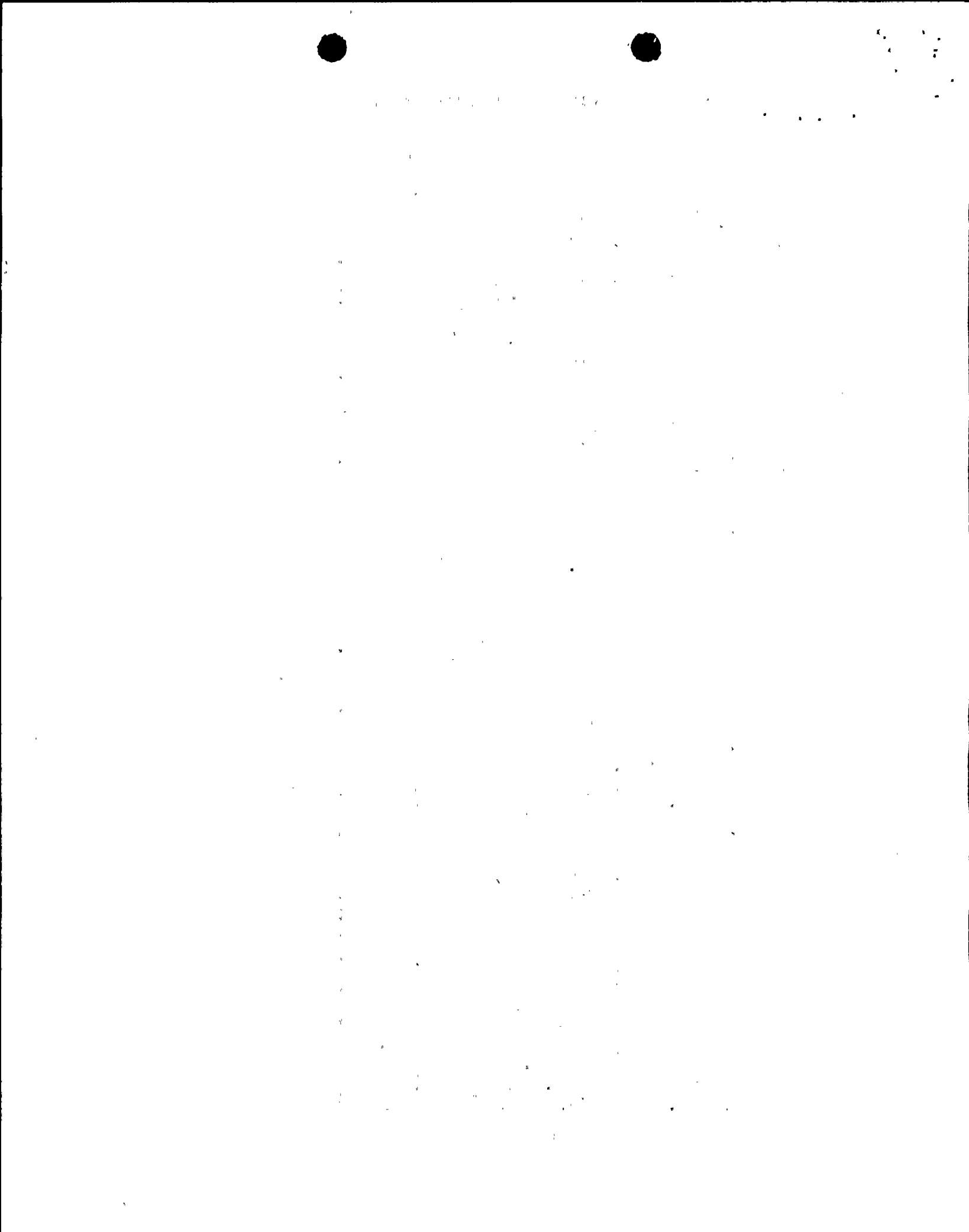


Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-1	28	48	7H	51.2	17	
	34	48	4H	45.0	16	
	4	50	5C	15.8	MBM	
	4	50	5C	12.7	MBM	
	28	50	1H	-0.1	SAI	Plugged
	36	50	7H	120.6	15	
	38	50	7H	65.0	41	Plugged
	38	50	7H	98.7	36	
	44	50	1C	6.9	MBM	
	46	50	1C	-0.7	34	
	24	51	6C	17.2	MBM	
	32	51	7H	127.1	MBM	
	36	51	2C	31.1	MBM	
	46	51	1C	-0.2	21	
	32	52	1C	29.3	MBM	
	17	53	1C	23.4	15	
	32	54	7H	74.5	MBM	
	39	54	7H	101.0	25	
	39	54	7H	128.9	15	
	39	54	7H	66.6	18	
	46	54	1C	-0.3	22	
	44	55	2C	0.2	10	
	37	56	4H	26.0	MBM	
	37	56	7H	106.2	MBM	
	45	57	4H	12.6	23	
	38	58	2H	23.8	MBM	
	17	59	TEH	5.1	SAI	Plugged
	17	59	TEH	8.1	SAI	Plugged
	17	59	TEH	18.2	SAI	Plugged
	34	59	1H	29.7	MBM	
	40	59	2H	4.3	MBM	
	42	59	1C	-0.3	36	
	38	61	4C	16.1	MBM	
	43	61	1C	-0.2	37	
	25	62	7H	44.1	15	
	25	62	7H	62.0	20	
	26	62	4H	7.3	MBM	
	26	62	6C	23.0	MBM	
	42	62	1C	-0.3	25	
	43	62	1C	-0.3	36	
	4	63	1C	46.6	MBM	
	26	63	3H	45.2	12	
	26	63	3H	48.0	13	
	42	63	1C	0.4	60	Plugged
	21	64	TSC	35.4	MBM	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-1	20	65	1H	0.0	SAI	Plugged
	42	65	1C	-0.3	30	
	9	66	3H	43.5	MBM	
	9	66	3H	46.7	MBM	
	5	67	4H	16.4	MBM	
	30	67	2H	-0.1	SAI	Plugged
	6	68	6H	47.1	MBM	
	40	68	7H	67.8	18	
	40	68	7H	101.8	23	
	41	69	7H	113.6	MBM	
	41	69	7H	103.7	19	
	16	70	1H	-0.1	SAI	Plugged
	2	71	1H	21.8	MBM	
	9	72	3C	33.4	MBM	
	17	72	5H	46.7	MBM	
	25	72	6C	23.7	MMB	
	27	72	7H	69.8	16	
	38	72	1C	-0.3	36	
	39	73	1C	-0.2	21	
	17	74	7H	33.3	16	
	21	74	TSH	29.6	MBM	
	21	74	7H	26.8	MBM	
	20	75	3H	-0.3	SAI	Plugged
	29	75	TSC	40.8	MBM	
	36	75	1C	-0.2	35	
	37	75	5C	27.7	MBM	
	21	76	3H	-0.2	SAI	Plugged
	35	76	2C	11.1	MBM	
	18	78	3C	48.1	MMB	
	22	78	7H	29.4	MBM	
	33	78	1C	0.0	43	Plugged
	35	78	1C	-0.3	24	
	29	79	5C	23.8	MBM	
	32	79	1C	0.1	17	
	34	79	1C	-0.1	12	
	9	80	5H	1.9	MBM	
	18	80	5H	4.6	MBM	
	6	81	2C	25.0	MBM	
	29	83	2C	-0.1	30	
	30	83	1C	-0.2	26	
	29	84	5C	9.1	MBM	
	26	85	2C	0.1	13	
	28	85	1C	-0.1	10	
	9	86	3H	34.8	MMB	
	12	86	1C	19.2	MBM	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-1	26	86	2C	-0.1	22	
	3	87	3C	40.9	MMB	
	22	87	2C	-0.1	35	
	23	87	2C	0.0	13	
	24	87	2C	-0.4	26	
	25	87	1C	0.0	16	
	9	90	2C	22.1	MBM	
	12	91	1C	-0.2	16	
	4	92	2C	0.0	21	
	7	92	1C	0.0	39	
	11	92	4C	0.2	20	
	15	92	1C	-0.1	16	
	10	93	1C	-0.2	19	
	11	93	1C	-0.1	14	
	4	94	2C	0.2	30	
1-2	2	1	1C	-0.2	14	
	3	1	1C	0.0	16	
	5	1	2C	0.0	15	
	6	1	2C	0.0	34	
	6	1	1C	0.1	32	
	5	2	2C	0.0	47	Plugged
	6	2	1C	0.0	20	
	3	3	1H	39.3	MBM	
	4	3	2H	9.0	MBM	
	6	3	1C	-0.2	40	Plugged
	7	3	2C	-0.1	46	Plugged
	9	3	1C	0.0	12	
	12	3	1C	0.0	29	
	13	3	1C	-0.1	15	
	15	3	1C	-0.1	38	
	11	4	1C	-0.1	37	
	12	4	1C	0.0	11	
	13	4	2C	0.2	24	
	13	4	1C	0.0	41	Plugged
	14	5	2C	-0.2	23	
	15	5	2C	-0.2	24	
	17	5	1C	-0.2	51	Plugged
	20	7	2C	-0.2	32	
	21	7	2H	25.7	13	
	23	7	2C	-0.3	26	
	23	8	7H	57.0	19	
	14	9	TSC	18.4	19	
	15	9	5H	2.7	13	
	26	10	2C	-0.1	21	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-2	18	12	6H	44.5	13	
	28	12	1C	-0.3	49	Plugged
	29	12	2C	-0.3	23	
	4	13	2H	11.1	MBM	
	14	13	6H	3.9	18	
	29	13	2C	-0.1	52	Plugged
	7	14	2H	8.6	MBM	
	16	14	7H	6.7	MBM	
	23	14	3C	28.0	10	
	28	14	4H	23.7	MBM	
	24	15	2H	-0.4	SAI	Plugged
	30	15	2C	1.6	15	
	16	16	5C	25.6	MBM	
	32	16	5H	31.5	MBM	
	23	17	1H	0.1	SAI	Plugged
	21	18	1C	41.1	MBM	
	34	18	2C	0.2	22	
	34	18	1C	0.2	68	Plugged
	36	18	2C	-0.1	37	
	35	19	2C	0.2	7	
	35	19	1C	0.0	21	
	37	19	1C	0.3	32	
	5	20	3C	34.3	33	
	11	20	2H	-0.1	SAI	Plugged
	36	20	2C	-0.1	29	
	21	21	4C	5.2	MBM	
	21	21	TSC	20.9	MBM	
	22	21	TSC	24.0	12	
	10	22	2H	-0.2	SAI	Plugged
	22	22	1H	43.9	MBM	
	36	23	7H	66.7	17	
	19	24	5H	4.6	MBM	
	10	25	6C	14.3	MBM	
	12	25	1C	32.8	21	
	41	26	1C	-0.2	42	Plugged
	10	27	2C	16.2	18	
	7	28	5H	9.4	14	
	40	28	6H	34.0	MBM	
	23	29	1C	36.4	MBM	
	31	29	7H	66.2	MBM	
	36	29	3C	31.8	MBM	
	9	30	1H	-0.2	SAI	Plugged
	30	30	1H	-0.2	SAI	Plugged
	31	31	7H	3.4	MBM	
	43	31	1C	-0.2	38	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-2	12	32	1H	-0.4	SAI	Plugged
	25	32	6H	30.0	11	
	31	32	3H	-0.2	SAI	Plugged
	7	33	TSH	-2.3	SAI	Plugged
	15	33	4C	46.2	MBM	
	15	33	3C	47.2	MBM	
	24	33	7H	72.2	26	
	41	33	1C	-0.2	18	
	43	33	1C	-0.1	36	
	35	34	5H	28.5	31	
	36	34	2C	23.7	MBM	
	5	35	4C	42.3	MBM	
	22	35	7H	24.3	15	
	8	36	TSC	26.3	MBM	
	45	36	1C	0.0	44	Plugged
	21	37	4H	-0.2	SAI	Plugged
	9	38	2H	-0.3	SAI	Plugged
	25	38	2H	-0.2	SAI	Plugged
	29	38	1H	0.0	SAI	Plugged
	19	39	7H	48.4	13	
	33	39	7H	11.1	MBM	
	15	40	4C	24.9	MBM	
	15	40	TSC	24.6	MBM	
	38	40	7H	34.5	33	
	38	40	7H	64.9	17	
	38	40	7H	96.2	19	
	44	40	2C	14.6	MBM	
	31	41	4C	4.1	MBM	
	21	43	1H	-0.4	MAI	Plugged
	13	44	1H	-0.2	SAI	Plugged
	9	45	1H	0.0	SAI	Plugged
	35	45	2H	-0.2	SAI	Plugged
	14	46	6H	5.7	MBM	
	41	46	7H	107.3	15	
	20	47	4C	32.5	MBM	
	33	47	7H	84.4	15	
	38	47	7H	68.8	34	
	38	47	7H	98.3	32	
	38	47	7H	127.8	32	
	45	47	7H	40.4	19	
	26	48	TSC	9.1	17	
	28	48	1H	-0.3	MAI	Plugged
	31	48	3H	11.1	10	
	32	48	7H	33.4	19	
	32	48	7H	59.7	25	



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Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-2	32	48	7H	83.4	40	Plugged
	32	48	7H	107.1	25	
	14	49	1H	-0.4	SAI	Plugged
	35	49	2H	-0.2	SAI	Plugged
	38	49	7H	129.4	29	
	16	50	2H	5.6	11	
	25	50	2H	-0.2	SAI	Plugged
	32	50	7H	34.7	22	
	32	50	7H	59.7	18	
	32	50	7H	84.5	25	
	14	51	TSH	9.4	30	
	34	51	7H	84.7	31	
	34	51	7H	110.9	15	
	36	51	2H	-0.1	SCI	Plugged
	18	52	TSH	-1.3	SCI	Plugged
	20	52	2H	0.2	SAI	Plugged
	38	52	7H	69.0	21	
	32	53	3C	22.8	MBM	
	37	53	2H	-0.4	SAI	Plugged
	38	53	7H	125.9	25	
	17	54	1H	-0.1	SAI	Plugged
	21	54	4H	19.7	MBM	
	22	54	2H	-0.2	SAI	Plugged
	40	54	7H	139.2	17	
	40	54	7H	105.4	22	
	40	54	7H	69.4	23	
	8	55	1H	-0.2	SAI	Plugged
	21	55	7H	42.1	23	
	21	55	7H	55.5	12	
	32	55	7H	85.8	15	
	42	56	4H	9.8	MBM	
	8	57	1H	-0.3	SAI	Plugged
	32	57	7H	57.4	20	
	39	57	7H	102.4	14	
	40	57	7H	69.4	13	
	24	58	7H	49.7	MBM	
	37	58	7H	35.7	23	
	37	58	7H	67.2	33	
	39	58	7H	37.4	12	
	39	58	7H	70.7	42	Plugged
	39	58	7H	100.5	40	Plugged
	39	58	7H	132.0	13	
	16	59	2H	-0.1	SAI	Plugged
	32	59	TSH	39.4	MBM	
	32	59	3H	2.5	MBM	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-2	21	60	TSH	47.1	MBM	
	38	60	7H	66.3	18	
	39	61	7H	104.6	27	
	39	61	7H	133.9	39	
	24	62	1H	5.4	MBM	
	42	62	7H	69.8	MBM	
	27	63	2H	-0.2	MAI	Plugged
	36	63	7H	93.3	27	
	5	64	TSH	16.7	MBM	
	5	64	6C	28.7	MBM	
	36	64	7H	34.3	23	
	36	64	7H	62.8	32	
	36	64	7H	91.7	22	
	38	64	7H	98.4	19	
	38	64	7H	127.0	22	
	8	65	TSH	12.7	MBM	
	21	65	7H	25.5	13	
	21	65	7H	40.5	16	
	21	65	7H	56.4	12	
	21	65	2H	-0.2	SAI	Plugged
	27	65	2H	-0.2	SAI	Plugged
	5	66	TSH	1.9	MBM	
	6	66	TSC	2.3	MBM	
	12	66	2H	-0.1	SAI	Plugged
	17	66	7H	61.5	26	
	29	66	1H	-0.1	SAI	Plugged
	38	66	7H	97.3	14	
	38	66	7H	126.6	19	
	16	67	3H	10.0	10	
	19	67	7H	35.8	25	
	19	67	7H	50.0	24	
	19	67	7H	61.7	19	
	27	67	1H	-0.4	SAI	Plugged
	29	67	2H	-0.2	SAI	Plugged
	29	67	3H	-0.4	SAI	Plugged
	30	67	2H	-0.4	SAI	Plugged
	38	67	7H	94.6	12	
	10	68	1H	-0.1	SAI	Plugged
	13	68	7H	30.7	MBM	
	19	68	5H	42.1	MBM	
	24	68	1H	32.9	MBM	
	25	68	6C	45.0	MBM	
	26	68	7H	66.3	22	
	26	68	7H	85.0	27	
	36	68	7H	35.8	18	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-2	36	68	7H	63.9	13	
	11	69	TSH	39.9	MBM	
	14	69	1H	0.1	SCI	Plugged
	21	69	4H	40.3	MBM	
	23	69	2C	0.1	18	
	39	69	7H	131.0	22	
	4	70	TSH	9.9	MBM	
	5	70	7H	1.5	MBM	
	7	70	1H	-0.5	SAI	Plugged
	8	70	1H	0.2	SCI	Plugged
	24	70	TSH	6.1	MBM	
	24	70	5H	13.2	MBM	
	30	70	2C	44.5	MBM	
	2	71	1H	14.5	MBM	
	7	71	1C	0.1	12	
	15	71	4H	35.9	MBM	
	31	71	1H	-0.3	SAI	Plugged
	39	71	7H	68.9	18	
	39	71	7H	98.0	22	
	40	71	6H	22.9	MBM	
	40	71	6H	30.4	MBM	
	25	72	TSH	38.6	MBM	
	37	72	1H	-0.1	SAI	Plugged
	38	72	7H	69.8	16	
	26	73	1H	0.0	SAI	Plugged
	20	74	7H	66.0	21	
	25	74	7H	43.9	MBM	
	34	74	7H	109.5	32	
	17	75	7H	45.6	15	
	23	76	6C	-1.4	MBM	
	23	76	5C	42.8	MBM	
	2	77	5C	3.0	MBM	
	12	77	1H	-0.1	SAI	Plugged
	23	77	TSC	47.5	MBM	
	31	77	7H	41.2	MBM	
	15	78	TSH	37.9	MBM	
	11	79	1H	0.0	SCI	Plugged
	16	80	2H	41.5	MBM	
	24	80	3H	45.7	MBM	
	26	80	1H	-0.2	SAI	Plugged
	26	80	1H	0.3	SAI	Plugged
	5	81	1H	-0.5	SAI	Plugged
	25	83	TSH	0.0	MBM	
	11	84	2H	0.0	SAI	Plugged
	12	84	2H	0.0	SAI	Plugged

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-2	24	85	2C	-1.9	MBM	
	24	85	1C	44.2	MBM	
	26	85	7H	45.2	15	
	11	86	1H	-0.3	SAI	Plugged
	11	86	1H	-0.4	SAI	Plugged
	8	87	7H	30.4	MBM	
	11	87	1H	-0.1	SAI	Plugged
	16	87	2H	0.1	SAI	Plugged
	23	87	3C	24.5	MBM	
	24	87	7H	26.3	23	
	5	88	1H	0.0	SAI	Plugged
	11	88	1H	0.0	SAI	Plugged
	12	88	1H	12.3	MBM	
	16	88	2H	-0.1	SAI	Plugged
	17	88	2H	0.1	SAI	Plugged
	17	89	4H	17.4	MBM	
	8	90	6C	34.7	MBM	
	17	91	7H	41.0	13	
	8	92	2C	-0.1	16	
	11	92	6H	9.7	MBM	
1-3	11	92	6H	22.5	MBM	
	6	93	1C	-0.2	13	
	2	1	TSC	18.8	MBM	
	15	4	1C	-0.2	24	
	18	7	4H	42.7	MBM	
	18	7	5H	16.1	MBM	
	18	7	5H	27.9	MBM	
	18	7	5H	31.8	MBM	
	18	7	6H	16.8	MBM	
	18	7	6C	41.8	MBM	
	18	7	6C	39.7	MBM	
	18	7	6C	22.8	MBM	
	18	7	5C	33.7	MBM	
	18	7	5C	17.3	MBM	
	3	9	2C	-0.1	16	
	18	9	4H	4.4	24	
	6	10	6C	0.1	17	
	23	10	7H	41.2	MBM	
	33	21	7H	83.8	13	
	11	22	TSC	8.9	MBM	
	33	24	7H	56.5	13	
	14	26	3H	26.3	MBM	
	21	26	3H	14.9	MBM	
	21	26	3H	21.5	MBM	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-3	21	26	4H	7.7	MBM	
	21	26	7H	38.8	MBM	
	27	26	5H	43.4	MBM	
	27	26	5H	43.6	MBM	
	33	27	7H	84.7	14	
	14	31	3H	14.5	MBM	
	27	31	6H	8.1	22	
	25	32	5C	0.2	10	
	12	34	7H	28.4	19	
	37	34	7H	95.6	18	
	40	34	7H	72.2	16	
	40	34	7H	103.2	21	
	37	35	7H	62.5	37	
	37	35	7H	94.2	30	
	37	35	7H	121.3	23	
	37	35	7H	34.8	17	
	43	36	2C	-0.2	12	
	32	38	7H	57.1	18	
	35	41	7H	60.9	13	
	40	41	7H	102.3	17	
	40	41	7H	131.9	21	
	19	44	5H	36.1	28	
	37	45	7H	95.4	29	
	37	45	7H	64.0	16	
	37	45	7H	122.7	19	
	38	45	7H	97.5	13	
	32	47	TSC	45.0	MBM	
	35	48	7H	61.7	MBM	
	25	50	7H	64.6	MBM	
	37	50	7H	64.6	21	
	41	50	7H	71.1	16	
	41	50	7H	105.1	17	
	41	50	7H	136.2	23	
	31	51	7H	30.7	14	
	31	51	7H	54.8	34	
	31	51	7H	79.0	24	
	31	51	7H	99.3	18	
	36	51	7H	32.8	23	
	36	51	7H	62.4	46	Plugged
	36	51	7H	91.7	41	Plugged
	36	51	7H	117.1	26	
	13	52	5C	43.2	38	
	22	54	4C	39.3	15	
	19	56	3H	101.0	MBM	
	28	56	7H	51.1	12	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-3	28	56	7H	72.3	12	
	33	56	7H	33.6	23	
	33	56	7H	58.6	20	
	33	56	7H	85.1	29	
	33	56	7H	110.5	18	
	36	56	7H	63.3	21	
	36	56	7H	92.6	17	
	36	56	7H	120.8	13	
	2	57	2H	-0.2	SAI	Plugged
	33	57	7H	56.8	18	
	30	58	7H	29.9	22	
	30	58	7H	53.5	32	
	30	58	7H	77.4	26	
	30	58	7H	100.3	14	
	34	58	7H	87.6	31	
	37	58	7H	64.4	20	
	37	58	7H	95.3	30	
	37	58	7H	124.6	13	
	41	58	7H	71.0	29	
	41	58	7H	104.9	42	Plugged
	41	58	7H	137.6	26	
	32	61	7H	56.1	13	
	32	61	7H	82.2	27	
	32	61	7H	105.9	7	
	36	61	7H	34.3	10	
	36	61	7H	61.7	27	
	36	61	7H	92.7	25	
	36	61	7H	119.7	19	
	19	62	5C	23.5	MBM	
	33	62	TSC	31.5	MBM	
	35	63	7H	60.6	13	
	40	63	7H	132.9	14	
	33	64	7H	58.0	19	
	43	64	1C	-0.2	29	
	39	66	7H	130.0	21	
	19	68	3H	32.0	35	
	19	68	3H	3.7	33	
	34	68	7H	59.7	14	
	35	68	7H	115.5	12	
	37	68	7H	65.6	20	
	37	68	7H	95.1	14	
	37	69	7H	94.7	25	
	37	70	7H	94.6	18	
	15	72	1H	37.8	MBM	
	15	72	4H	8.4	MBM	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-3	15	72	5C	8.6	MBM	
	35	72	2H	69.9	MBM	
	8	78	1C	6.8	17	
	15	89	3H	37.0	23	
	15	89	4H	47.7	26	
	15	89	6H	7.8	17	
	16	89	1H	11.9	21	
	16	89	4H	29.0	MBM	
	16	89	6H	47.1	23	
	16	89	TSC	36.0	28	
	11	92	3C	-0.1	13	
1-4	3	2	2C	-0.1	39	
	9	2	2C	-0.3	28	
	6	3	2C	-0.2	10	
	11	3	TSC	39.6	29	
	17	6	2C	0.0	23	
	19	6	2C	-0.1	25	
	27	11	2C	-0.1	14	
	28	12	2C	0.0	19	
	34	16	2C	0.0	37	
	33	18	2C	-0.2	33	
	35	18	2C	-0.1	10	
	35	20	2C	-0.1	13	
	35	21	2C	0.1	20	
	38	21	2C	0.1	20	
	35	22	2C	0.2	12	
	38	23	2C	-0.2	28	
	39	23	2C	-0.1	7	
	38	24	2C	-0.1	18	
	34	25	7H	59.0	11	
	32	29	7H	55.6	43	Plugged
	32	29	7H	81.3	40	Plugged
	32	29	7H	104.5	24	
	35	31	7H	61.7	14	
	42	31	7H	40.1	10	
	42	31	7H	72.1	10	
	33	33	7H	84.3	11	
	33	33	7H	108.6	11	
	29	34	7H	32.3	17	
	29	34	7H	94.3	24	
	31	34	7H	55.5	18	
	31	34	7H	79.5	21	
	31	34	7H	101.5	16	
	32	36	7H	55.7	21	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-4	45	36	7H	148.8	14	
	43	37	7H	73.7	12	
	40	40	7H	38.9	26	
	40	40	7H	68.8	20	
	40	40	7H	130.7	28	
	40	40	7H	101.2	46	Plugged
	42	40	7H	71.8	19	
	2	41	4C	0.2	34	
	31	42	7H	35.6	12	
	32	43	7H	101.9	20	
	42	43	7H	79.2	27	
	11	44	TSC	19.0	7	
	35	44	7H	36.8	22	
	43	45	7H	74.9	10	
	43	45	7H	109.5	10	
	36	46	7H	117.1	22	
	40	46	7H	130.3	16	
	43	46	7H	141.2	12	
	41	50	7H	137.9	11	
	28	51	7H	34.4	15	
	28	51	7H	70.0	33	
	38	51	7H	95.9	12	
	36	52	7H	61.6	27	
	36	52	7H	89.6	33	
	36	52	7H	121.3	16	
	37	52	7H	91.9	15	
	35	53	7H	61.8	27	
	35	53	7H	119.3	11	
	36	53	7H	36.2	14	
	36	53	7H	122.4	40	Plugged
	36	53	7H	89.6	16	
	37	53	7H	36.2	21	
	37	53	7H	63.2	14	
	37	53	7H	92.1	28	
	37	53	7H	124.8	14	
	31	55	7H	56.1	18	
	31	55	7H	78.1	20	
	39	55	2H	-0.5	SAI	Plugged
	24	56	7H	43.9	13	
	26	56	7H	86.2	20	
	43	56	7H	108.0	25	
	43	56	7H	143.2	29	
	43	56	7H	143.8	18	
	39	57	3H	-0.3	SAI	Plugged
	40	57	7H	70.2	24	

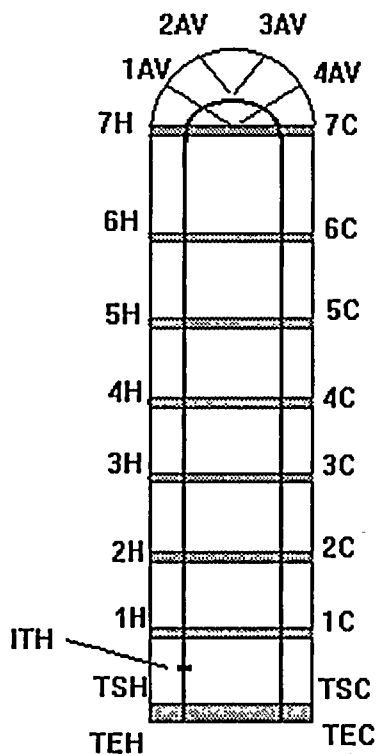
Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-4	40	57	7H	101.0	55	Plugged
	40	57	7H	133.6	21	
	43	57	7H	108.9	14	
	43	57	7H	143.6	27	
	12	58	6C	31.0	MBM	
	12	58	5C	14.5	MBM	
	12	58	5C	7.1	MBM	
	12	58	4C	35.4	MBM	
	12	58	3C	4.1	MBM	
	35	58	7H	32.4	16	
	35	58	7H	59.4	27	
	35	58	7H	87.9	13	
	36	58	7H	119.0	MBM	
	36	58	7H	33.0	50	Plugged
	36	58	7H	61.1	56	Plugged
	36	58	7H	90.9	50	Plugged
	36	58	7H	121.5	17	
	39	58	7H	36.5	13	
	39	58	7H	99.0	21	
	39	58	7H	131.9	12	
	39	58	7H	67.2	12	
	45	58	7H	113.9	18	
	45	58	2C	-0.1	18	
	12	59	2C	47.7	MBM	
	12	59	2C	43.5	MBM	
	39	59	7H	39.9	23	
	39	59	7H	68.8	17	
	39	59	7H	99.2	19	
	39	59	2H	-0.2	SAI	Plugged
	35	60	7H	73.6	33	
	36	60	7H	60.5	16	
	36	60	7H	90.4	43	Plugged
	8	61	5H	14.9	10	
	36	61	7H	59.8	31	
	36	61	7H	90.0	23	
	36	61	7H	119.6	13	
	36	61	7H	120.7	23	
	39	61	2H	-0.3	SAI	Plugged
	42	61	7H	72.3	26	
	41	62	7H	70.0	34	
	41	62	7H	104.1	52	Plugged
	41	62	7H	138.0	39	
	40	63	7H	69.8	17	
	42	63	2C	-0.2	40	Plugged
	14	64	TSH	3.8	34	

Table 3
Location and Percent Through-wall of All Indications Identified During 1R7

SG	Row	Col	LOC	Distance	Indication	Remarks
1-4	40	64	7H	67.8	17	
	40	64	7H	101.5	27	
	35	65	7H	60.2	22	
	35	65	7H	87.6	20	
	43	65	7H	107.7	30	
	35	66	7H	36.0	13	
	35	66	7H	59.6	15	
	35	66	7H	89.4	20	
	37	66	7H	93.7	13	
	31	67	7H	79.7	18	
	31	67	7H	106.0	13	
	12	68	5H	18.8	25	
	31	70	1H	-0.1	SAI	Plugged
	7	71	1H	3.8	14	
	31	72	7H	105.3	12	
	35	72	1H	-0.2	SAI	Plugged
	29	74	1H	0.0	SAI	Plugged
	6	76	1H	0.1	SAI	Plugged
	19	81	6C	15.9	MBM	
	15	85	6C	33.6	24	
	1	92	TSH	20.2	8	

Figure 1
SG Eddy Current Location Code Definitions



TEH -- Tube End HL (Hot Leg)
TSH -- Top of Tube Sheet HL
ITH -- Implant Top Hot (applies to
16 tubes in SG 1-1 only)
1H -- 1st TSP (Tube Support Plate) HL
2H -- 2nd TSP HL
3H -- 3rd TSP HL
4H -- 4th TSP HL
5H -- 5th TSP HL
6H -- 6th TSP HL
7H -- 7th TSP HL
1AV -- 1st AVB (Anti-Vibration Bar)
2AV -- 2nd AVB
3AV -- 3rd AVB
4AV -- 4th AVB
7C -- 7th TSP CL (Cold Leg)
6C -- 6th TSP CL
5C -- 5th TSP CL
4C -- 4th TSP CL
3C -- 3rd TSP CL
2C -- 2nd TSP CL
1C -- 1st TSP CL
TSC -- Top of Tube Sheet CL
TEC -- Tube End CL

