



**TXU Electric
Comanche Peak
Steam Electric Station**
P.O. Box 1002
Glen Rose, TX 76043
Tel: 254 897 8920
Fax: 254 897 6652
lance.terry@txu.com

C. Lance Terry
Senior Vice President & Principal Nuclear Officer

Ref: 10CFR50.55a

CPSES-200200376
Log # TXX-02030
File # 10010.1, 916, NR-25

February 11, 2002

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

**SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES), UNIT 1,
DOCKET NO. 50-445
UNIT 1 EIGHTH REFUELING OUTAGE
STEAM GENERATOR TWELVE MONTH REPORT
SPECIAL REPORT 445/02-001-00**

- REF: 1) TXU Electric letter, logged TXX-01067, from C. L. Terry to the NRC; dated April 4, 2001.
- 2) TXU Electric letter, logged TXX-01067, from C. L. Terry to the NRC; dated July 7, 2001.
- 3) TXU Electric letter, logged TXX-01067, from C. L. Terry to the NRC; dated August 24, 2001.

Gentlemen:

Enclosed is the 12 Month Special Report (SR) 1-SR-02-001-00 for the Comanche Peak Steam Electric Station (CPSES) Unit 1. This report meets the requirements of the Special Report as specified in CPSES Technical Specification 5.6.10.b and NEI 97-06.

The fifteen day plugging report and C-3 LER were submitted via Reference 1, the 90-day report pursuant to the guidance of Attachment 1 to the Generic Letter (GL) 95-05 "Voltage-Based Repair Criteria for Westinghouse Steam Generator Tubes Affected by Outside Diameter Stress Corrosion Cracking" was submitted via Reference 2, and the NEI 97-06 condition monitoring report was submitted via Reference 3. The aforementioned references provide additional information regarding Steam Generators at CPSES Unit 1.

TXX-02030

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Should you require additional information please contact Steve Swilley at (254) 897-6069.

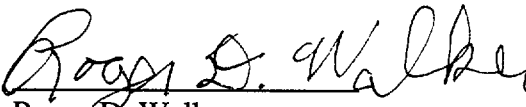
This communication contains no new licensing basis commitments for CPSES Unit 1.

Sincerely,

TXU Generation Company LP

By: TXU Generation Management Company LLC,
Its General Partner

C. L. Terry
Senior Vice President and Principal Nuclear Officer

By: 
Roger D. Walker
Regulatory Affairs Manager

RJK/rjk

Enclosure

cc - E. W. Merschoff, Region IV
D. N. Graves, Region IV
D. H. Jaffe, NRR
Resident Inspectors, CPSES

**TXU ELECTRIC
COMANCHE PEAK STEAM ELECTRIC STATION - UNIT 1
SPECIAL REPORT NO. 1-SR-02-001-00**

**UNIT 1, EIGHTH REFUELING OUTAGE
STEAM GENERATOR TUBE INSPECTION RESULTS
TECHNICAL SPECIFICATIONS 5.6.10.b**

CPSES 1RF08 Inspection Plan

The Comanche Peak Steam Electric Station (CPSES) 1RF08 inspection plan exceeded both the CPSES Technical Specification minimum requirements as well as the recommendations of EPRI TR-107569-V1R5, PWR Steam Generator Examination Guidelines: Revision 5, Volume 1, Requirements.

The 1RF08 inspection plan included:

- 1) 100% full length bobbin examination in Rows 3 and greater in all 4 SGs, 100% bobbin inspection in the hot and cold leg straight sections of Rows 1 and 2.
- 2) 100% hot leg top of tubesheet (TTS) +Pt examination in all 4 SGs.
- 3) 100% Row 1 and 2 U-bend mid-range +Pt examination in all 4 SGs.
- 4) Rotating probe examination of mixed residuals (> 1.5 volts as measured by bobbin) and hot leg dented intersections ≥ 5 volts (as measured by bobbin) according to the requirements of GL 95-05.
- 5) Rotating probe examination of freespan bobbin coil indications for flaw confirmation and characterization.
- 6) 100% +Pt inspection of all dented TSP intersections ≥ 2 volts at the H3 TSP.
- 7) 20% +Pt inspection of hot leg and cold leg straight length freespan dings > 5 volts plus 20% +Pt inspection of freespan dings > 5 volts between H11 and AVB1 and AVB4 and C11.
- 8) 20% +Pt freespan paired ding inspection between the top 2 TSPs.
- 9) Tube plug visual inspection.

The inspection plan was developed to specifically address the areas of active degradation as well as areas expected to be affected based on recent industry experience as well as experience from the CPSES 1RF07 outage in September 1999.

Based on a reported C-3 condition in SGs 2, 3, and 4 due to the detection of greater than 45 circumferentially oriented ODSCC indications, the top of tubesheet +Pt inspection program was expanded to include 20% of the cold leg TTS expansion transitions in these SGs. No degradation was reported in this expansion program.

Unit 1 Tube plugging by Refueling Outage

Cycle	SG 1	SG 2	SG 3	SG 4	Total	% plugged
Preservice	14	4	5	11	34	0.186%
U1RF01	-2	-1	0	0	-3	-0.016%
U1RF02	0	0	0	0	0	0.000%
U1RF03	0	0	0	0	0	0.000%
U1RF04	0	1	1	0	2	0.011%
U1RF05	0	11	2	6	19	0.104%
U1RF06	0	67	8	27	102	0.557%
U1RF07	8	20	35	57	120	0.655%
U1RF08	11	58	85	55	209	1.114%
Total tubes	31	160	136	156	483	2.640%

Inspection Results

The inspection results are included in the following tables which list the tubes with percent through wall indications and those tubes with indications that required repair via installation of mechanical plugs (the I-codes listed and all wear greater than 40% through wall were plugged).

The indications listed in the following table are defined as:

SVI – single volumetric indication
 SCI – single circumferential indication
 MCI – multiple circumferential indication
 SAI – single axial indication
 PCT – percent through wall indication

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
1	11	4	SVI	N/A	HTS +.59
1	2	8	SCI	N/A	HTS -.10
1	3	11	SVI	N/A	C3 +.69
1	3	12	SVI	N/A	C3 +.74
1	34	13	PCT	22	AVB 2
1	38	16	PCT	12	AVB 3
1	45	24	PCT	17	AVB 4
1	45	29	PCT	23	AVB 1
1	48	42	PCT	5	C3
1	49	44	SAI	N/A	H11 +32.9
1	49	52	PCT	3	C7
1	29	59	SVI	N/A	H10 +1.37
1	47	67	PCT	6	C3
1	47	69	PCT	7	C3
1	45	71	PCT	12	C3
1	47	73	PCT	3	C3
1	48	73	PCT	4	C7
1	48	73	PCT	22	C3
1	48	73	PCT	24	C2
1	48	74	PCT	4	C7
1	47	75	PCT	9	C3
1	48	75	PCT	4	C7
1	48	75	PCT	7	C5
1	48	75	PCT	30	C3
1	48	75	PCT	11	C2
1	48	76	PCT	21	C3
1	48	76	PCT	8	C2
1	48	77	PCT	11	C3
1	48	78	PCT	4	C5
1	48	79	PCT	5	C5

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
1	48	79	PCT	4	C3
1	45	82	PCT	4	C7
1	20	91	SCI	N/A	HTS -.23
1	21	96	SVI	N/A	HTS +.92
2	3	18	SCI	N/A	HTS -.11
2	1	20	SCI	N/A	HTS -.19
2	3	22	SCI	N/A	HTS -.16
2	3	23	SCI	N/A	HTS -.16
2	9	26	SCI	N/A	HTS .00
2	12	26	SCI	N/A	HTS -.06
2	18	27	SCI	N/A	HTS -.22
2	1	30	MCI	N/A	HTS -.22
2	6	33	MCI	N/A	HTS -.28
2	48	33	PCT	7	C2
2	8	36	SCI	N/A	HTS -.27
2	48	38	PCT	11	C7
2	48	38	PCT	14	C2
2	49	38	PCT	6	C7
2	47	39	PCT	4	C7
2	48	39	PCT	5	C9
2	48	39	PCT	3	C8
2	48	39	PCT	7	C7
2	48	39	PCT	2	C5
2	48	39	PCT	9	C3
2	47	40	PCT	4	C7
2	47	40	PCT	8	C2
2	48	40	PCT	5	C8
2	48	40	PCT	9	C7
2	48	40	PCT	12	C5
2	48	40	PCT	36	C3

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
2	48	40	PCT	4	C2
2	45	43	PCT	5	C7
2	46	45	PCT	11	C7
2	47	45	PCT	12	C3
2	49	45	PCT	8	C7
2	12	46	SCI	N/A	HTS -.15
2	49	46	PCT	14	C7
2	49	47	PCT	6	C7
2	2	48	SCI	N/A	HTS -.13
2	45	48	PCT	8	C2
2	47	48	PCT	14	C3
2	47	48	PCT	10	C2
2	24	49	SCI	N/A	HTS -.24
2	31	49	SCI	N/A	HTS -.15
2	47	49	PCT	7	C5
2	47	49	PCT	18	C3
2	47	49	PCT	4	C2
2	46	50	PCT	11	C3
2	26	51	SCI	N/A	HTS -.28
2	8	52	MCI	N/A	HTS -.26
2	37	52	MCI	N/A	HTS -.21
2	7	53	SCI	N/A	HTS -.15
2	27	53	SCI	N/A	HTS -.28
2	44	53	PCT	8	C2
2	41	54	SCI	N/A	HTS -.08
2	9	55	SCI	N/A	HTS -.01
2	32	56	SCI	N/A	HTS -.16
2	1	56	PCT	6	C2
2	1	56	MCI	N/A	HTS -.21
2	45	60	PCT	7	C3

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
2	39	61	SCI	N/A	HTS -.10
2	1	62	MCI	N/A	HTS -.24
2	42	62	PCT	8	C2
2	3	64	MCI	N/A	HTS -.14
2	1	65	SCI	N/A	HTS -.16
2	47	65	PCT	27	C3
2	46	67	PCT	11	C3
2	47	67	PCT	33	C3
2	47	67	PCT	5	C2
2	47	68	PCT	6	C3
2	25	69	SCI	N/A	HTS -.16
2	46	70	PCT	4	C3
2	22	71	SCI	N/A	HTS -.12
2	47	71	PCT	4	C3
2	18	72	SCI	N/A	HTS -.12
2	34	73	SVI	5	HTS +1.84
2	47	73	PCT	12	C3
2	34	74	SVI	N/A	HTS +1.86
2	48	75	PCT	4	C7
2	2	82	SCI	N/A	HTS -.20
2	2	83	SCI	N/A	HTS -.17
2	4	83	SCI	N/A	HTS -.11
2	12	83	MCI	N/A	HTS -.09
2	27	83	SCI	N/A	HTS -.02
2	31	83	SCI	N/A	HTS -.96
2	3	84	SCI	N/A	HTS -.34
2	21	85	SCI	N/A	HTS -.06
2	1	86	SCI	N/A	HTS -.24
2	3	86	SCI	N/A	HTS -.34
2	2	89	SCI	N/A	HTS -.15

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
2	22	89	SCI	N/A	HTS -.08
2	17	92	SCI	N/A	HTS -.05
2	5	93	SCI	N/A	HTS -.12
2	15	93	SCI	N/A	HTS -.07
2	5	102	SCI	N/A	HTS -.19
2	5	105	SCI	N/A	HTS -.21
2	14	105	SVI	N/A	C10
2	15	105	SVI	N/A	C10
2	14	106	SVI	N/A	C10
3	7	9	SAI	N/A	HTS .00
3	20	20	SCI	N/A	HTS -.23
3	2	21	SCI	N/A	HTS -.20
3	2	29	SCI	N/A	HTS -.16
3	3	31	SCI	N/A	HTS -.15
3	4	31	SCI	N/A	HTS -.11
3	3	32	SCI	N/A	HTS -.13
3	22	34	MCI	N/A	HTS -.12
3	48	34	PCT	11	C7
3	3	35	MCI	N/A	HTS -.16
3	27	36	SCI	N/A	HTS -.12
3	47	37	PCT	4	C5
3	5	39	SCI	N/A	HTS -.16
3	2	41	SCI	N/A	HTS -.18
3	4	41	SCI	N/A	HTS -.15
3	5	41	SCI	N/A	HTS -.13
3	7	41	SCI	N/A	HTS -.14
3	8	41	SCI	N/A	HTS -.21
3	46	41	PCT	14	C2
3	47	41	PCT	6	C3
3	48	41	PCT	24	C2

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
3	48	42	PCT	19	C3
3	48	42	PCT	18	C2
3	49	43	PCT	10	AVB 4
3	49	43	PCT	7	C7
3	44	46	PCT	8	C3
3	44	46	PCT	8	C2
3	46	46	PCT	13	C3
3	28	47	MCI	N/A	HTS -.08
3	37	47	SCI	N/A	HTS -.22
3	24	48	SCI	N/A	HTS -.22
3	43	48	PCT	7	C2
3	47	49	PCT	43	C3
3	47	49	PCT	13	C2
3	8	50	SCI	N/A	HTS -.20
3	24	50	SCI	N/A	HTS -.36
3	47	50	PCT	40	C3
3	6	51	SCI	N/A	HTS -.21
3	25	52	MCI	N/A	HTS -.16
3	29	52	MCI	N/A	HTS -.14
3	32	53	SCI	N/A	HTS -.10
3	7	54	SCI	N/A	HTS -.25
3	32	54	SCI	N/A	HTS .00
3	45	54	PCT	28	C3
3	45	54	PCT	8	C2
3	11	55	SCI	N/A	HTS -.16
3	43	55	PCT	7	C2
3	45	55	PCT	7	C3
3	27	56	PCT	8	C3
3	32	56	MCI	N/A	HTS -.15
3	20	59	PCT	8	C3

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
3	21	59	PCT	6	C3
3	36	59	PCT	14	C3
3	41	59	PCT	22	AVB 3
3	43	59	PCT	26	AVB 2
3	43	59	PCT	32	AVB 3
3	45	62	PCT	9	C3
3	14	66	SAI	N/A	HTS +.01
3	45	70	PCT	18	AVB 3
3	45	70	PCT	9	C3
3	24	73	SCI	N/A	HTS -.25
3	3	74	SCI	N/A	HTS -.17
3	22	74	SCI	N/A	HTS -.32
3	32	75	MCI	N/A	HTS -.23
3	48	75	PCT	6	C5
3	47	76	PCT	8	C2
3	2	79	SCI	N/A	HTS -.13
3	29	79	SCI	N/A	HTS -.22
3	48	79	PCT	6	C5
3	48	79	PCT	8	C2
3	49	79	PCT	6	C7
3	2	80	SCI	N/A	HTS -.10
3	46	80	PCT	8	C2
3	48	80	PCT	5	C5
3	2	81	SCI	N/A	HTS -.10
3	29	81	SCI	N/A	HTS -.20
3	37	81	SCI	N/A	HTS -.23
3	47	81	PCT	19	AVB 2
3	47	81	PCT	7	C7
3	48	81	PCT	7	C7
3	48	81	PCT	6	C3

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
3	1	82	SCI	N/A	HTS -.24
3	3	82	SCI	N/A	HTS -.10
3	26	82	MCI	N/A	HTS -.25
3	27	82	SCI	N/A	HTS -.23
3	35	82	MCI	N/A	HTS -.23
3	36	82	MCI	N/A	-.24
3	37	82	MCI	N/A	HTS -.16
3	41	82	SCI	N/A	HTS -.19
3	36	83	SCI	N/A	HTS -.17
3	2	84	MCI	N/A	HTS -.19
3	4	84	SCI	N/A	HTS -.09
3	6	84	MCI	N/A	HTS -.10
3	22	84	SCI	N/A	HTS -.18
3	36	84	MCI	N/A	HTS -.17
3	37	84	MCI	N/A	HTS -.20
3	1	87	MCI	N/A	HTS -.15
3	3	88	SCI	N/A	HTS -.10
3	2	89	SCI	N/A	HTS -.18
3	7	89	SCI	N/A	HTS -.08
3	17	89	SCI	N/A	HTS -.10
3	46	89	PCT	8	C2
3	4	90	SCI	N/A	HTS -.06
3	45	91	PCT	8	C3
3	26	92	MCI	N/A	HTS -.24
3	8	93	SCI	N/A	HTS -.11
3	13	93	SCI	N/A	HTS -.20
3	28	93	MCI	N/A	HTS -.10
3	7	94	SCI	N/A	HTS -.14
3	11	95	SCI	N/A	HTS -.12
3	15	95	MCI	N/A	HTS -.24

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
3	24	95	MCI	N/A	HTS -.10
3	30	95	MCI	N/A	HTS -.12
3	31	95	MCI	N/A	HTS -.14
3	11	96	SCI	N/A	HTS -.11
3	13	97	SCI	N/A	HTS -.14
3	20	97	MCI	N/A	HTS -.17
3	27	97	SCI	N/A	HTS -.14
3	3	98	SCI	N/A	HTS -.15
3	11	99	MCI	N/A	HTS -.19
3	22	99	SCI	N/A	HTS -.16
3	26	99	SCI	N/A	HTS -.10
3	21	101	SCI	N/A	HTS -.17
4	30	10	PCT	5	C2
4	1	17	SCI	N/A	HTS -.17
4	44	23	PCT	3	C2
4	45	24	PCT	8	C5
4	45	24	PCT	26	C3
4	45	24	PCT	12	C2
4	12	26	PCT	9	C6
4	46	26	PCT	8	C3
4	10	31	SCI	N/A	HTS -.24
4	10	32	SCI	N/A	HTS -.19
4	48	32	PCT	6	C5
4	48	32	PCT	7	C3
4	47	34	PCT	10	C3
4	47	34	PCT	6	C2
4	48	34	PCT	15	C3
4	48	34	PCT	4	C2
4	47	36	PCT	4	C5
4	47	36	PCT	7	C3

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
4	48	36	PCT	10	C2
4	37	37	SCI	N/A	HTS -.13
4	1	39	MCI	N/A	HTS -.16
4	46	39	PCT	6	C3
4	48	39	PCT	27	C3
4	48	39	PCT	6	C2
4	3	40	MCI	N/A	HTS -.18
4	1	42	MCI	N/A	HTS -.17
4	48	42	PCT	7	C5
4	47	43	PCT	9	C5
4	45	44	PCT	7	C3
4	45	44	PCT	4	C2
4	2	47	MCI	N/A	HTS +.05
4	2	48	SCI	N/A	HTS -.19
4	45	48	PCT	21	C3
4	47	48	PCT	7	C7
4	47	48	PCT	12	C5
4	47	48	PCT	23	C3
4	31	50	SCI	N/A	HTS -.12
4	45	53	PCT	14	C3
4	3	54	SCI	N/A	HTS -.20
4	36	54	PCT	4	C2
4	21	56	PCT	6	C3
4	25	55	PCT	5	C2
4	29	55	PCT	6	C2
4	31	55	SCI	N/A	HTS -.19
4	34	55	SCI	N/A	HTS -.15
4	35	55	PCT	4	C2
4	45	55	PCT	9	C3
4	1	56	MCI	N/A	HTS -.16

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
4	25	56	PCT	7	C2
4	29	56	PCT	14	C3
4	35	56	PCT	5	C2
4	25	59	PCT	6	C3
4	30	59	PCT	5	C3
4	31	59	PCT	9	C3
4	33	59	PCT	3	C4
4	33	59	PCT	13	C3
4	33	59	PCT	6	C2
4	21	60	PCT	7	C3
4	31	60	PCT	3	C3
4	32	60	PCT	5	C3
4	33	60	PCT	7	C3
4	49	60	PCT	20	AVB 4
4	29	61	PCT	4	C3
4	31	61	MCI	N/A	HTS -.25
4	45	61	PCT	4	C3
4	35	62	SCI	N/A	HTS -.14
4	46	62	PCT	7	C3
4	46	63	PCT	7	C3
4	33	64	SCI	N/A	HTS -.13
4	45	64	PCT	16	C3
4	39	66	MCI	N/A	HTS -.18
4	45	66	PCT	4	C2
4	46	66	PCT	8	C3
4	29	67	MCI	N/A	HTS -.10
4	32	67	MCI	N/A	HTS -.17
4	34	68	SCI	N/A	HTS -.20
4	45	68	PCT	5	C3
4	45	68	PCT	7	C2

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
4	45	70	PCT	8	C2
4	30	71	SCI	N/A	HTS -.12
4	2	72	SCI	N/A	HTS -.28
4	33	72	SCI	N/A	HTS -.20
4	29	73	SCI	N/A	HTS -.17
4	48	73	PCT	13	C3
4	48	73	PCT	10	C2
4	32	74	SCI	N/A	HTS -.20
4	47	74	PCT	5	C3
4	47	74	PCT	5	C2
4	48	74	PCT	35	C5
4	48	74	PCT	21	C3
4	48	74	PCT	6	C2
4	49	74	PCT	5	C5
4	48	75	PCT	41	C5
4	48	75	PCT	21	C3
4	48	75	PCT	9	C2
4	33	76	SCI	N/A	HTS -.17
4	39	78	MCI	N/A	HTS -.25
4	37	79	SCI	N/A	HTS -.13
4	38	79	SCI	N/A	HTS -.06
4	8	81	SVI	N/A	C1 -1.06
4	30	82	MCI	N/A	HTS -.21
4	34	82	SCI	N/A	HTS -.19
4	48	83	PCT	4	C3
4	18	84	MCI	N/A	HTS -.02
4	2	86	MCI	N/A	HTS -.10
4	9	89	SCI	N/A	HTS -.19
4	13	89	PCT	5	C6
4	22	90	MCI	N/A	HTS .00

Percent Through Walls and Repairable Indications					
SG	Row	Col	Ind	Percent	Location
4	2	91	MCI	N/A	HTS -.13
4	19	97	MCI	N/A	HTS -.25
4	1	100	MCI	N/A	HTS +.09
4	20	100	SCI	N/A	HTS -.33
4	22	100	MCI	N/A	HTS -.07
4	1	102	SCI	N/A	HTS +.09
4	17	102	SCI	N/A	HTS -.03
4	20	102	MCI	N/A	HTS -.19
4	2	103	SCI	N/A	HTS -.18
4	7	105	MCI	N/A	HTS -.16
4	4	106	MCI	N/A	HTS -.26
4	4	107	MCI	N/A	HTS -.16
4	17	108	SCI	N/A	HTS -.22
4	4	110	SCI	N/A	HTS -.24
4	10	110	SCI	N/A	HTS -.04