

**1RF07**  
**CONTAINMENT INSERVICE INSPECTION SUMMARY REPORT**  
**FIRST INTERVAL, FIRST PERIOD, FIRST OUTAGE**

**TU Electric**  
**P. O. Box 1002**  
**Glen Rose, Texas 76043**

**Comanche Peak Steam Electric Station**  
**Glen Rose, Texas 76043**

**Unit 1**

**Commercial Operating Date**  
**August 13, 1990**

Prepared by: J DeBoni 1/20/00

Reviewed by: RB Mays CB May 1-20-00

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**CONTAINMENT INSERVICE INSPECTION SUMMARY REPORT**  
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**1.0 INTRODUCTION**

**1.1 PURPOSE**

The purpose of this summary report is to provide information relating to the containment inservice inspection (CISI) activities performed during the seventh refueling outage at the Comanche Peak Steam Electric Station (CPSES) Unit 1. This report documents compliance with 10CFR50.55(a) and ASME Section XI, 1992 Edition, '92 Addenda for all examinations and tests.

**1.2 SCOPE**

This summary report addresses those examinations of CPSES Unit 1 containment systems as stipulated in the CPSES Containment ISI Program Plan, Rev. 0 (the Plan). The Form NIS-1 is included in Appendix A. A list of the Form NIS-2's documenting Code Repairs/Replacement activities (if any) that have occurred since the previous Form NIS-1 (issued for 1RF06 Code Class 1, 2 and 3 inservice inspection activities) is contained in Appendix D. The period of time covered is from August 1998 to December 1999.

**1.3 OUTAGE, PERIOD AND INTERVAL START AND END DATES**

This refueling outage was the First Outage in the First Inspection Period of the First Inservice Inspection Interval. The CISI examinations for this outage were performed between September 15, 1999 and October 29, 1999. The Inspection Period began September 9, 1996 and will end by September 9, 2001 (per 10CFR50.55(a)). The Inservice Inspection Interval began September 9, 1996 and is scheduled to end by September 9, 2008 (or approximately seven years after the completion of the first period).

**1.4 AUTHORIZED NUCLEAR INSERVICE INSPECTOR**

Tests, examinations, repairs and/or replacements were witnessed or verified by Mr. Joe C. Hair, Authorized Nuclear Inservice Inspectors for Hartford Steam Boiler Inspection & Insurance Company as indicated by signature on the examination data sheets. Hartford Regional Office is located at 15415 Katy Freeway, Suite 300, Houston, Texas.

## 2.0 SUMMARY OF EXAMINATIONS AND EVALUATIONS

### 2.1 **Metal Containment**

Examinations are conducted utilizing visual and or volumetric techniques in accordance with the requirements of the Code. Where a particular examination requirement of the Code is determined to be impractical, a request for relief from the requirement is submitted in accordance with the provisions of 10CFR50.55a(g)(6)(i). Refer to Appendix B for a summary of examinations performed during this outage. The relief request number is identified in the remarks of the summary for each examination area requiring relief. Relief Requests generated during this outage, if any, are contained in Appendix C.

#### a. Visual Examinations

164 Visual examinations of metal containment components were completed. There were no conditions identified that adversely affected the ability of metal containment system to perform its intended function.

#### b. Volumetric Examinations

No ultrasonic examinations were performed.

#### c. Evaluations of Inaccessible Areas

There were no conditions identified in accessible areas that indicated the presence of, or that resulted in, degradation to any inaccessible areas.

### 2.2 **CONCRETE CONTAINMENT**

There were no concrete containment examinations performed during the period covered by this report.

## **Appendix A**

# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

(As required by the Provisions of the ASME Code Rules)

1. Owner TXU Electric: P.O. Box 1002, Glen Rose, Texas 76043  
(Name and Address of Owner)
2. Plant Comanche Peak Steam Electric Station: Glen Rose, Texas 76043  
(Name and Address of Plant)
3. Plant Unit No. 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 8/13/1990 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No. (Component Tag No.)	National Board No.
Metal Containment	Chicago Bridge & Iron	N/A	N/A	N/A

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

### FORM NIS-1 (Back)

8. Examination Dates 9/15/99 to 10/29/99

9. Inspection Period Identification: 9/9/1996 to 9/9/2001

10. Inspection Interval Identification: 9/9/1996 to 9/9/2008

11. Applicable Edition of Section XI 1992 Addenda 1992

12. Date/Revision of Inspection Plan: February 1, 1999 / Revision 0

13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.  
 Reference CPSES Unit 1 Containment Inservice Inspection Summary Report for the first interval, first period, first outage. All required examinations have been completed.

14. Abstract of Results of Examinations and Tests.  
 Reference CPSES Unit 1 Containment Inservice Inspection Summary Report for the first interval, first period, first outage.

15. Abstract of Corrective Measures.  
 Reference CPSES Unit 1 Containment Inservice Inspection Summary Report for the first interval, first period, first outage.

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. ( if applicable) N/A Expiration Date N/A

Date 1-20-00 Signed TXU Electric By R. B. Mays  
Owner

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectores and the State or provinces of Texas and employed by Hartford Steam Boiler Inspection and Insurance Co. of Hartford, CT. have inspected the components described in this Owner's Report during the peroid August, 1998 to December, 1999, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes and any warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joe C. Hair Joe C. Hair Commissions TX 1080  
Inspector's Signature National Board, State, Province, and Endorsements

Date 21 January 2000

## **Appendix B**



1. Owner: TU Electric, P.O. Box 1002 Glen Rose, Texas 76043
2. Plant: Comanche Peak Steam Electric Station, Glen Rose, Texas 76043
3. Unit: 1
4. Owner Certificate of Authorization: N/A
5. Commercial Service Date: August 13, 1990
6. National Board Number for Unit: N/A

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**EXAMINATION CATEGORY E-A. CONTAINMENT SURFACES**

<b>ITEM NO.</b>	<b>PARTS EXAMINED</b>	<b>EXAM METHOD</b>	<b>EXTENT OF EXAM</b>
<b>E1.11</b>	<b>Accessible Surface Areas</b>	<b>General VT</b>	<b>100%</b>

<b>APPLICABLE AREA CODE(S)</b>	<b>PROCEDURE</b>	<b>RESULTS</b>	<b>REMARKS</b>
31	NDE-4.04	NI	CISI-1-LINER SH 1
32	NDE-4.04	NI	CISI-1-LINER SH 2
33	NDE-4.04	NI	CISI-1-LINER SH 3
34	NDE-4.04	NI	CISI-1-LINER SH 4
35	NDE-4.04	NI	CISI-1-LINER SH 1
36	NDE-4.04	NI	CISI-1-LINER SH 2
37	NDE-4.04	NI	CISI-1-LINER SH 3
38	NDE-4.04	NI	CISI-1-LINER SH 4
39A	NDE-4.04	NI	CISI-1-LINER SH 1
39D	NDE-4.04	NI	CISI-1-LINER SH 4
40B	NDE-4.04	NI	CISI-1-LINER SH 2
40C	NDE-4.04	NI	CISI-1-LINER SH 3
41A	NDE-4.04	NI	CISI-1-LINER SH 5
41D	NDE-4.04	NI	CISI-1-LINER SH 8
42B	NDE-4.04	NI	CISI-1-LINER SH 6
42C	NDE-4.04	NI	CISI-1-LINER SH 7

1. Owner: TU Electric, P.O. Box 1002 Glen Rose, Texas 76043
2. Plant: Comanche Peak Steam Electric Station, Glen Rose, Texas 76043
3. Unit: 1
4. Owner Certificate of Authorization: N/A
5. Commercial Service Date: August 13, 1990
6. National Board Number for Unit: N/A

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**EXAMINATION CATEGORY E-A, CONTAINMENT SURFACES**

<b>ITEM NO.</b>	<b>PARTS EXAMINED</b>	<b>EXAM METHOD</b>	<b>EXTENT OF EXAM</b>
<b>E1.11</b>	<b>Accessible Surface Areas</b>	<b>General VT</b>	<b>100%</b>

PENETRATION NO.	PROCEDURE	RESULTS	REMARKS
MI-0001	NDE-4.04	NI	
MI-0002	NDE-4.04	NI	
MI-0003	NDE-4.04	NI	
MI-0004	NDE-4.04	NI	
MI-0005	NDE-4.04	NI	
MI-0006	NDE-4.04	NI	
MI-0007	NDE-4.04	NI	
MI-0008	NDE-4.04	NI	
MI-0009	NDE-4.04	NI	
MI-0010	NDE-4.04	NI	
MI-0011	NDE-4.04	NI	
MI-0012	NDE-4.04	NI	
MI-0013	NDE-4.04	NI	
MII-0001	NDE-4.04	NI	
MII-0002	NDE-4.04	NI	
MII-0003	NDE-4.04	NI	
MII-0004	NDE-4.04	NI	
MII-0005	NDE-4.04	NI	
MII-0006	NDE-4.04	NI	
MII-0007	NDE-4.04	NI	
MII-0008	NDE-4.04	NI	
MII-0009	NDE-4.04	NI	

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5. Commercial Service Date: August 13, 1990
6. National Board Number for Unit: N/A

**EXAMINATION CATEGORY E-A, CONTAINMENT SURFACES**

<b>ITEM NO.</b>	<b>PARTS EXAMINED</b>	<b>EXAM METHOD</b>	<b>EXTENT OF EXAM</b>
<b>E1.11</b>	<b>Accessible Surface Areas</b>	<b>General VT</b>	<b>100%</b>

PENETRATION NO.	PROCEDURE	RESULTS	REMARKS
MIII-0001	NDE-4.04	NI	
MIII-0002	NDE-4.04	NI	
MIII-0003	NDE-4.04	NI	
MIII-0004	NDE-4.04	NI	
MIII-0005	NDE-4.04	NI	
MIII-0006	NDE-4.04	NI	
MIII-0007	NDE-4.04	NI	
MIII-0008	NDE-4.04	NI	
MIII-0009	NDE-4.04	NI	
MIII-0010	NDE-4.04	NI	
MIII-0011	NDE-4.04	NI	
MIII-0012	NDE-4.04	NI	
MIII-0013	NDE-4.04	NI	
MIII-0014	NDE-4.04	NI	
MIII-0015	NDE-4.04	NI	
MIII-0016	NDE-4.04	NI	
MIII-0017	NDE-4.04	NI	
MIII-0018	NDE-4.04	NI	
MIII-0019	NDE-4.04	NI	
MIII-0020	NDE-4.04	NI	
MIII-0021	NDE-4.04	NI	
MIII-0022	NDE-4.04	NI	
MIII-0023	NDE-4.04	NI	
MIII-0024	NDE-4.04	NI	

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<b>EXAMINATION CATEGORY E-A, CONTAINMENT SURFACES</b>			
<b>ITEM NO.</b>	<b>PARTS EXAMINED</b>	<b>EXAM METHOD</b>	<b>EXTENT OF EXAM</b>
<b>E1.11</b>	<b>Accessible Surface Areas</b>	<b>General VT</b>	<b>100%</b>

<b>PENETRATION NO.</b>	<b>PROCEDURE</b>	<b>RESULTS</b>	<b>REMARKS</b>
MIII-0025	NDE-4.04	NI	
MIII-0026	NDE-4.04	NI	
MIII-0027	NDE-4.04	NI	
MIII-0028	NDE-4.04	NI	
MIII-0029	NDE-4.04	NI	
MIII-0030	NDE-4.04	NI	
MIII-0031	NDE-4.04	NI	
MIII-0032	NDE-4.04	NI	
MIV-0001	NDE-4.04	NI	
MIV-0002	NDE-4.04	NI	
MIV-0003	NDE-4.04	NI	
MIV-0004	NDE-4.04	NI	
MIV-0005	NDE-4.04	NI	
MIV-0007	NDE-4.04	NI	
MIV-0008	NDE-4.04	NI	
MIV-0009	NDE-4.04	NI	
MIV-0010	NDE-4.04	NI	
MIV-0011	NDE-4.04	NI	
MIV-0012	NDE-4.04	NI	

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<b>E1.11</b>	<b>Accessible Surface Areas</b>	<b>General VT</b>	<b>100%</b>

<b>PENETRATION NO.</b>	<b>PROCEDURE</b>	<b>RESULTS</b>	<b>REMARKS</b>
MV-0001	NDE-4.04	NI	
MV-0002	NDE-4.04	NI	
MV-0003	NDE-4.04	NI	
MV-0004	NDE-4.04	NI	
MV-0005	NDE-4.04	NI	
MV-0006	NDE-4.04	NI	
MV-0007	NDE-4.04	NI	
MV-0008	NDE-4.04	NI	
MV-0010	NDE-4.04	NI	
MV-0012	NDE-4.04	NI	
MV-0014	NDE-4.04	NI	
MV-0015	NDE-4.04	NI	
MV-0016	NDE-4.04	NI	
MV-0017	NDE-4.04	NI	
MV-0018	NDE-4.04	NI	
MV-0019	NDE-4.04	NI	
MV-0020	NDE-4.04	NI	
MS-0005	NDE-4.04	NI	

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<b>PENETRATION NO.</b>	<b>PROCEDURE</b>	<b>RESULTS</b>	<b>REMARKS</b>
E-0001	NDE-4.04	NI	
E-0002	NDE-4.04	NI	
E-0003	NDE-4.04	NI	
E-0004	NDE-4.04	NI	
E-0005	NDE-4.04	NI	
E-0007	NDE-4.04	NI	
E-0008	NDE-4.04	NI	
E-0010	NDE-4.04	NI	
E-0011	NDE-4.04	NI	
E-0012	NDE-4.04	NI	
E-0013	NDE-4.04	NI	
E-0014	NDE-4.04	NI	
E-0016	NDE-4.04	NI	
E-0017	NDE-4.04	NI	
E-0019	NDE-4.04	NI	
E-0020	NDE-4.04	NI	
E-0021	NDE-4.04	NI	
E-0022	NDE-4.04	NI	
E-0023	NDE-4.04	NI	
E-0024	NDE-4.04	NI	
E-0025	NDE-4.04	NI	
E-0026	NDE-4.04	NI	
E-0027	NDE-4.04	NI	
E-0028	NDE-4.04	NI	
E-0030	NDE-4.04	NI	

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<b>E1.11</b>	<b>Accessible Surface Areas</b>	<b>General VT</b>	<b>100%</b>

PENETRATION NO.	PROCEDURES	RESULTS	REMARKS
E-0031	NDE-4.04	NI	
E-0032	NDE-4.04	NI	
E-0033	NDE-4.04	NI	
E-0034	NDE-4.04	NI	
E-0036	NDE-4.04	NI	
E-0037	NDE-4.04	NI	
E-0038	NDE-4.04	NI	
E-0041	NDE-4.04	NI	
E-0042	NDE-4.04	NI	
E-0043	NDE-4.04	NI	
E-0044	NDE-4.04	NI	
E-0045	NDE-4.04	NI	
E-0046	NDE-4.04	NI	
E-0047	NDE-4.04	NI	
E-0048	NDE-4.04	NI	
E-0049	NDE-4.04	NI	
E-0050	NDE-4.04	NI	
E-0051	NDE-4.04	NI	
E-0052	NDE-4.04	NI	
E-0053	NDE-4.04	NI	
E-0054	NDE-4.04	NI	
E-0055	NDE-4.04	NI	
E-0057	NDE-4.04	NI	
E-0058	NDE-4.04	NI	
E-0059	NDE-4.04	NI	

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<b>E1.11</b>	<b>Accessible Surface Areas</b>	<b>General VT</b>	<b>100%</b>

<u>PENETRATION NO.</u>	<u>PROCEDURES</u>	<u>RESULTS</u>	<u>REMARKS</u>
E-0061	NDE-4.04	NI	
E-0062	NDE-4.04	NI	
E-0063	NDE-4.04	NI	
E-0064	NDE-4.04	NI	
E-0065	NDE-4.04	NI	
E-0066	NDE-4.04	NI	
E-0067	NDE-4.04	NI	
E-0068	NDE-4.04	NI	
E-0069	NDE-4.04	NI	
E-0070	NDE-4.04	NI	
E-0071	NDE-4.04	NI	
E-0072	NDE-4.04	NI	
E-0073	NDE-4.04	NI	
E-0074	NDE-4.04	NI	
E-0075	NDE-4.04	NI	



## Appendix C

**There were no Relief Requests generated as a result of this outage.**

## **Appendix D**

**There were no Owner's Report NIS-2's generated in the period covered by this report.**