



**TXU Electric**  
**Comanche Peak**  
**Steam Electric Station**  
P.O. Box 1002  
Glen Rose, TX 76043  
Tel: 254 897 8920  
Fax: 254 897 6652  
lterry1@txu.com

**C. Lance Terry**  
Senior Vice President & Principal Nuclear Officer

Ref. # 10CFR50.55a(g)

CPSES-200101433  
Log # TXX-01108  
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RP-36

June 20, 2001

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)  
-UNIT 1 DOCKET NOS. 50-445  
SUBMITTAL OF UNIT 1 SEVENTH REFUELING OUTAGE  
(1RF07) INSERVICE INSPECTION (ISI) SUMMARY REPORT  
(UNIT 1: 1986 EDITION OF ASME CODE, SECTION XI, NO  
ADDENDA, INTERVAL START DATE - AUGUST 13, 1990,  
FIRST INTERVAL)

REF: TXU Electric Letter, logged TXX-00157, to the NRC dated  
August 11, 2001

Gentlemen:

This letter forwards the revised Inservice Inspection Summary Report for the seventh refueling outage of CPSES Unit 1. The enclosed report is being provided to you pursuant to the ASME Boiler and Pressure Vessel Code, Section XI, paragraph IWA-6230. A copy of this report is also forwarded to Mr. G. Bynog in accordance with the Texas Boiler Law & Rules and Regulations, paragraph 65.100.g.4.

The revisions to the enclosed Inservice Inspection (ISI) Summary Report are clearly identified via vertical lines in the right hand margin. Please note that this completes the ISI Examinations for CPSES Unit 1, first interval. Appendix B, C, D were not revised, therefore they are not included in this letter.

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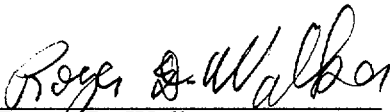
TXX-01108

Page 2 of 2

This communication contains no new licensing basis commitments regarding CPSES Unit 1. If you have any questions, please contact Mr. Obaid Bhatti at (254) 897-5839.

Sincerely,

C. L. Terry

By:   
Roger D. Walker  
Regulatory Affairs Manager

OAB/oab

Enclosure

cc: E. W. Merschoff, Region IV  
D. N. Graves, Region IV  
D. H. Jaffe, NRR  
Resident Inspectors, CPSES  
G. Bynog, TDLR

**1RF07**  
**INSERVICE INSPECTION SUMMARY REPORT - Rev. 2**  
**FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE**

**TXU 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: Paul M. Parsley 6-14-01

Reviewed by: S. V. Lakshminarayanan 06-14-01  
S. V. LAKSHMINARAYANAN

## **Table of Contents**

1.0	Introduction
1.1	Purpose
1.2	Scope
1.3	Outage, Period and Interval Start and End Dates
1.4	Authorized Nuclear Inservice Inspector
2.0	Summary of Examinations and Tests
2.1	Piping and Components
2.2	Pressure Tests
2.3	Eddy Current
Appendix A	NIS-1 Owner's Report for Inservice Inspections
Appendix B	Summary of Examinations
Appendix C	Relief Requests
Appendix D	NIS-2 Owner's Report for Repairs or Replacements

**INSERVICE INSPECTION SUMMARY REPORT - Rev. 2  
FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE**

**1.0 INTRODUCTION**

**1.1 PURPOSE**

The purpose of this summary report is to provide information relating to the inservice inspection (ISI) 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, 1986 Edition, no Addenda (the Code), for all examinations and tests. This report also documents compliance with the Texas Department of Licensing and Regulation, Boiler Division, Boiler Law & Rules and Regulations.

**1.2 SCOPE**

This summary report addresses those examinations and tests of Code class 1, 2 and 3 systems as stipulated in the CPSES Unit 1 ISI Program Plan, Rev. 6 (the Plan). The Form NIS-1 is included in Appendix A. A list of the Form NIS-2's documenting Code Repairs/Replacement activities that have occurred since the previous Form NIS-1 (issued in conjunction with the sixth refueling outage) are contained in Appendix D. The period of time covered is from August 1998 to May, 2001. ( First Interval was extended one year per IWA -2430(d).)

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

This refueling outage was the second outage in the third Inspection Period of the first Inservice Inspection Interval. The ISI examinations for this outage were performed between September 15, 1999 and October 29, 1999. The third inspection period is being extended approximately one year as permitted by ASME Section XI IWB-2411(b). The Inspection Period began in January, 1997 and will end coincident with the completion of the first Inspection Interval. The Inservice Inspection Interval began on August 13, 1990 and is scheduled to end on or about August 13, 2001.

**1.4 AUTHORIZED NUCLEAR INSERVICE INSPECTOR**

Tests, examinations, repairs and/or replacements were witnessed or verified by Mr. Joe C. Hair and Mr. Lawrence Selensky, 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 TESTS

### 2.1 PIPING AND COMPONENTS

Examinations were conducted utilizing volumetric, surface and visual 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). As permitted by Code Case N-460, relief is not requested when a reduction in examination coverage on a Code Class 1 or 2 weld is less than 10%. 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 are contained in Appendix C.

a. Volumetric Examinations

58 Ultrasonic examinations were completed. There were no unacceptable indications identified.

b. Surface Examinations

7 Liquid penetrant examinations and 3 magnetic particle examinations were completed. There were no unacceptable indications identified.

c. Visual Examinations

25 Visual examinations of components and their supports were completed. There were no conditions identified that adversely affected the ability of a component or support to perform its intended function.

### 2.2 PRESSURE TESTS

System leakage, functional and inservice tests were performed during the period covered by this report. These tests were conducted under the following pressure test packages:

1-AF-1-3-1	1-AF-1-3-2	1-AF-1-3-3	1-AF-1-3-5	1-CS-1-3-4*
1-CC-1-3-1	1-CC-1-3-2	1-CH-1-3-1	1-CS-1-3-1	1-SI-1-3-2a-g*
1-CT-1-3-1	1-CT-1-3-2	1-CT-1-3-3	1-DD-1-3-1	
1-DO-1-3-1	1-FW-1-3-1	1-FW-1-3-2	1-MS-1-3-1	
1-MS-1-3-2	1-RC-1-3-2	1-SW-1-3-1	1-SW-1-3-2	

\* These pressure test packages were tested and satisfactorily completed in 2001 as part of the First Interval for Unit 1.

All areas of leakage, if any, were evaluated for corrective measures as described in IWA-5250.

### 2.3 EDDY CURRENT

Tested Scope:

Steam Generator	Bobbin Scope	RPC TTS Scope	RPC Exp. Baffle Scope	RPC Row 1 & 2 Ubend Scope	# of Tubes Plugged
1	100%	100%	20%	100%	8
2	100%	100%	20%	100%	20
3	100%	100%	20%	100%	35
4	100%	100%	20%	100%	57

## **Appendix A**



**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION**  
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 8/13/90 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. (Comp.Tag No.)	National Board No.
Reactor Vessel	Combustion Engr., Inc.	10773	TBX-RCPRCV-01	22187
RC Pump 2	West. Electro-Mech Div.	2-115E641G01	TBX-RCPCPC-02	W-26284
12" Valve	Westinghouse Elec. Corp.	12000GM88SEH01005S740008	1-8701A	W14546
6" Valve	Westinghouse Elec. Corp.	06000CS8800000000S740165	1-8949B	W11878
10" Valve	Westinghouse Elec. Corp..	10000CS8800000000S740073	1-8956C	W12300
FW Piping System	Brown & Root, Inc.	N-5 S/N FW-1-1650	N/A	N/A
MS Piping System	Brown & Root, Inc.	N-5 S/N MS-1-1648	N/A	N/A
RC Piping System	Brown & Root, Inc.	N-5 S/N CT-1-1645	N/A	N/A
RH Piping System	Brown & Root, Inc.	N-5 S/N RC-1-1632	N/A	N/A
SI Piping System	Brown & Root, Inc.	N-5 S/N RH-1-1634	N/A	N/A
AF Piping System	Brown & Root, Inc.	N-5 S/N SW-1-1616	N/A	N/A
CC Piping System	Brown & Root, Inc.	N-5 S/N CC-1-1649	N/A	N/A
SW Piping System	Brown & Root, Inc.	N-5 S/N SW-1-1634	N/A	N/A
CS Piping System	Brown & Root, Inc.	N-5 S/N CS-1-1633	N/A	N/A
			State or province No. is N/A.	
			Column uses Comp. Tag No.	

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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 09/15/99 To 10/29/1999
9. Inspection Period Identification January, 1997 to August, 2001
10. Inspection Interval Identification August, 1990 to August, 2001
11. Applicable Edition of Section XI 1986 Addenda None
12. Date/Revision of Inspection Plan August 20, 1999 / Revision 6
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 Inservice Inspection Summary Report Rev. 2 for the first interval, third period, second outage. All required examinations have been completed. (Refer to Section 2.2 of the Report above.)
14. Abstract of Results of Examinations and Tests.  
Reference CPSES Unit 1 Inservice Inspection Summary Report Rev. 2 for the first interval, third period, second outage.
15. Abstract of Corrective Measures.  
Reference CPSES Unit 1 Inservice Inspection Summary Report Rev. 2 for the first interval, third period, second 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 06-14-01 Signed TXU Electric By S.V. Lakdawala  
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province 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 period August, 1998 to May, 2001, 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 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 any kind arising from or connected with this inspection.

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

Date 14 June 2001