



TXU Energy
Comanche Peak Steam
Electric Station
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Senior Vice President &
Principal Nuclear Officer

Ref: 10 CFR 50.55(a)(3)

CPSES-200202637
Log # TXX-02122
File # 10010

July 11, 2002

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

**SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NO. 50-446; RELIEF REQUESTS B-7, B-8, B-9 and C-6 TO
THE UNIT 2 INSERVICE INSPECTION (ISI) FROM 1986 EDITION
OF ASME CODE, SECTION XI, NO ADDENDA (INTERVAL
START DATE: AUGUST 3, 1993, FIRST INTERVAL)**

Dear Sir or Madam:

TXU Generation Company LP (hereafter TXU Energy) has determined that certain inspection requirements of ASME Section XI are impractical, and is requesting relief pursuant to 10 CFR 50.55a(g)(5)(iii).

TXU Energy requests approval of the proposed Relief Request by December 29, 2002. The approval date was administratively selected to allow for NRC review but the plant does not require this relief to allow continued safe full power operations.

This communication contains no new licensing basis commitments regarding Comanche Peak Steam Electric Station (CPSES) Unit 2.

A047

TXX-02122
Page 2 of 2

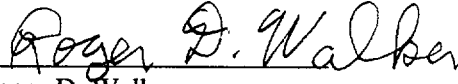
If you have any questions or need additional information regarding this matter, please feel free to contact Obaid Bhatti at (254) 897-5839 or Douglas W. Snow at (254) 897-8448.

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

OAB/ob

Attachments

c - E. W. Merschoff, Region IV
W. D. Johnson, Region IV
D. H. Jaffe, NRR
Resident Inspectors, CPSES
G. Bynog, TDLR
J.C. Hair ANII, CPSES

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-7**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

I. System/Component for Which Relief is Requested:

ASME Class I Reactor Pressure Vessel (RPV) closure head to flange weld (Weld No. TCX-1-1300-1) and RPV closure head to disc weld (Weld No. TCX-1-1300-2)

II. Code Requirement from Which Relief is Requested:

Comanche Peak Unit 2 is currently required to perform inservice examinations of selected welds in accordance with the requirements of 10 CFR 50.55a, and the 1986 Edition with no Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components. The Code invokes the examination volume requirements of Figures IWB-2500-3 and IWB-2500-5.

Weld No. TCX-1-1300-1:

Table IWB-2500-1. Examination Category B-A, Code Item B1.40, Figure IWB-2500-5. The subject weld is a full penetration weld, and requires 100 volumetric and surface examination of the RPV head to flange welds as defined by Figure IWB-2500-5.

Weld No. TCX-1-1300-2:

Table IWB-2500-1. Examination Category B-A, Code Item B1.21, Figure IWB-2500-3. The subject weld is a full penetration weld, and requires 100 percent volumetric examination of the accessible portion of all circumferential welds, as defined by Figure IWB-2500-3.

III. Impracticality of Compliance:

The examination coverage is limited by physical interferences from the reactor head flange, shroud, and lifting lugs (refer to the attached sketches on pages 3 and 4).

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-7**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-
(Continued)**

IV. Burden Caused by Compliance:

The examination coverage is limited by physical interferences from the reactor head flange, shroud, and lifting lugs as indicated via the attached sketches. These conditions make 100 percent examination impractical for these welds. To gain access for examination, the RPV head would require design modification. Imposition of this requirement would be a significant burden on TXU Energy.

V. Proposed Alternative and Basis for Use:

There are no proposed alternatives. TXU has examined a significant portion of these welds, obtaining approximately 84 percent of weld TCX-1-1300-2, and 85 percent of weld TCX-1-1300-1 of the required volumetric examination coverage. Additionally, 100 percent of the required surface examination of weld TCX-1-1300-1 was performed. There were no recordable indications identified by the volumetric examinations or surface examination.

Therefore, TXU Energy believes that the examinations performed provide adequate confidence that there are no matters of concerns regarding the structural integrity of the subject welds.

The CPSES ISI plan requires $\frac{1}{3}$ of each weld be examined each inspection period. The limitations of the first two inspection periods have been previously reviewed and approved under relief request identified in precedents No. 2 and No. 4.

VI. Duration of Proposed Alternative:

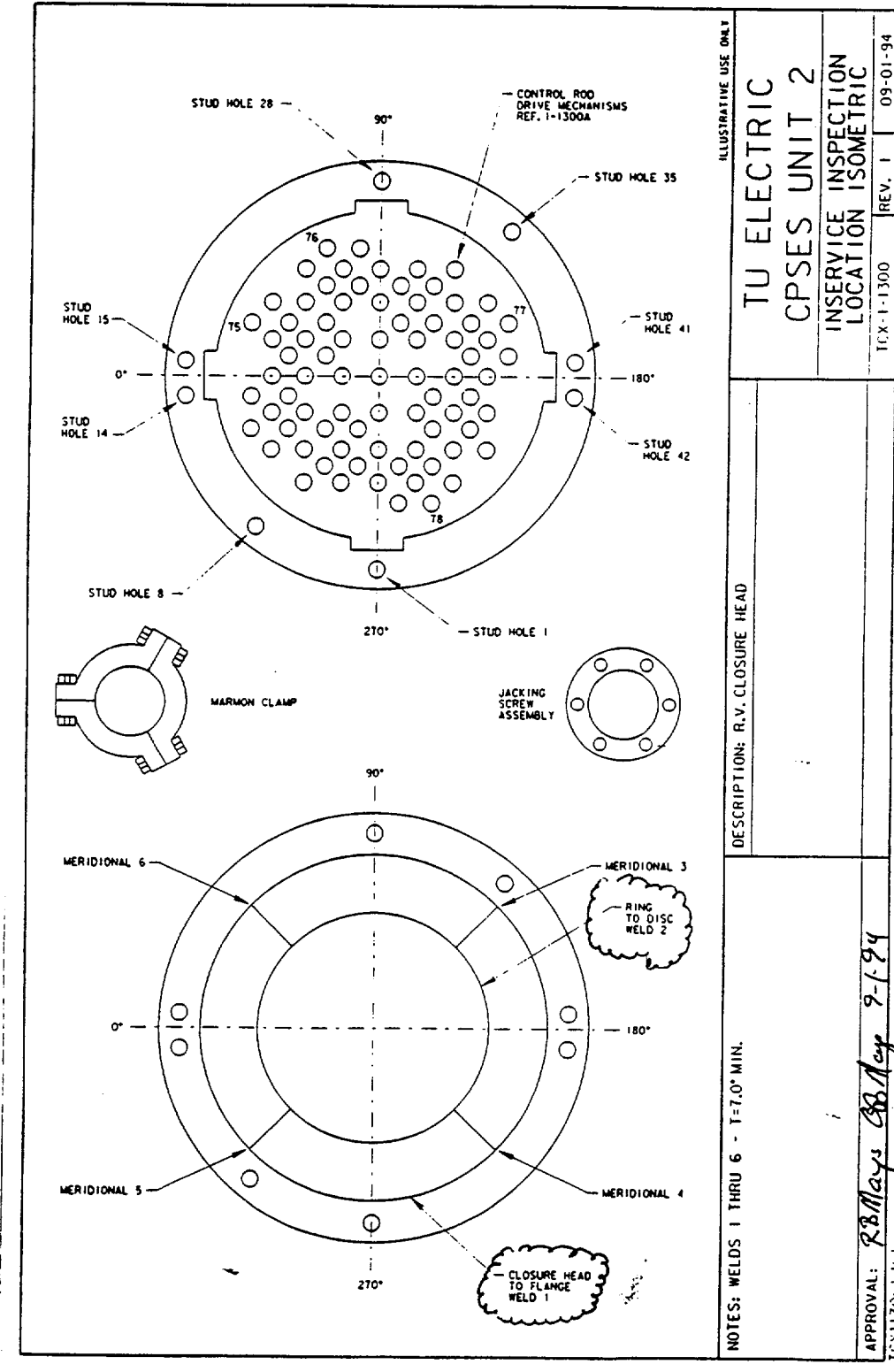
This relief is requested for the Comanche Peak Steam Electric Station Unit 2, third period of the first 10-year interval vessel examination.

VII. Precedents:

- 1) TXU Energy letter logged TXX-98170 dated July 22, 1998, NRC response dated July 8, 1999, reference TAC NO. MA3632.
- 2) TXU Energy letter logged TXX-95042 dated March 6, 1995. NRC response dated December 28, 1995, reference TAC NO. M93333 and M93334.
- 3) NRC SER dated November 29, 1994, reference TAC NO. M83125.
- 4) TXU Energy letter logged TXX-01110 dated June 22, 2001. NRC response dated October 11, 2001, reference TAC NO. MB1190.


**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-7**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-
(Continued)**



**TXU GENERATION COMPANY LP
 COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
 FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-7**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
 -INSERVICE INSPECTION IMPRACTICALITY-
 (Continued)**

| | | | | |
|---|---|-----------------------------|--|------------------------------------|
|  | WESTINGHOUSE NUCLEAR SERVICES DIVISION | | | REPORT NO. <u>UT-22</u> |
| | LIMITATION TO EXAMINATION | | | PAGE <u>3</u> OF <u>5</u> |
| TXU | | | | |
| PLANT | <u>COMANCHE PEAK</u> | UNIT | <u>2</u> | SKETCH <u>TCX-1-1300</u> |
| SYST / COMP | <u>R.V. CLOSURE HEAD</u> | | | PROCEDURE <u>TX-ISI-210 REV. 4</u> |
| EXAMINER | <u>N. Bollingmo <i>NDA 37</i></u> | LEVEL | <u>III</u> | DATE <u>4-06-02</u> |
| EXAMINER | <u>S. Erickson <i>Scott R. Erickson</i></u> | LEVEL | <u>II</u> | DATE <u>4-06-02</u> |
| COMPONENT ID <u>TCX-1-1300-1</u> | | | | |
| RELATED TO | <input type="checkbox"/> MT | <input type="checkbox"/> PT | <input checked="" type="checkbox"/> UT | <input type="checkbox"/> VT |
| PROVIDE SUFFICIENT INFORMATION TO DESCRIBE SIZE, LOCATION AND TYPE OF LIMITATION. | | | | |
| <u>COMMENTS / SKETCH / DETAILS</u> | | | | |
| 15% of required volume not examined. 99% examined with 45° and 60° in at least one direction. 8% of required volume not examined with 45°, and 15% of required volume not examined with 60°. | | | | |
| <div style="border: 1px solid black; padding: 10px; min-height: 200px;"> <div style="text-align: right; margin-bottom: 10px;">LOG</div> <div style="margin-bottom: 10px;"> <p><i>C/L of weld 14</i></p> <hr style="border: 0.5px solid black;"/> </div> <div style="text-align: center; margin-bottom: 10px;"> <p><i>FLange</i></p> </div> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> <div style="text-align: center;"> <p><i>C/L of Stud Hole 14</i></p> </div> <div style="text-align: center;"> <p><i>C/L of Stud Hole 1</i></p> </div> <div style="text-align: center;"> <p><i>C/L of Stud Hole 50</i></p> </div> </div> <p align="center"><i>see attached coverage plots</i></p> </div> | | | | |
| <i>4/11/02</i> | | | | |

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-8**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

I. System/Component for Which Relief is Requested:

ASME Class I Reactor Pressure Vessel (RPV) Lower Vessel Head Circumferential Weld (Weld No. TCX-1-1100-5).

II. Code Requirement from Which Relief is Requested:

Comanche Peak Unit 2 is currently required to perform inservice examinations of selected welds in accordance with the requirements of 10 CFR 50.55a, and the 1986 Edition with no Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components.

Weld No. TCX-1-1100-5:

Table IWB-2500-1. Examination Category B-A, Code Item B1.21, Figure IWB-2500-3. The subject weld is a full penetration weld, and requires 100 percent volumetric examination of the accessible portion of all circumferential welds, as defined by Figure IWB-2500-3.

III. Impracticality of Compliance:

The examination coverage is limited by physical interferences from the reactor vessel bottom mounted instrument tubes (refer to the attached sketches on pages 3 thru 5).

IV. Burden Caused by Compliance:

The examination coverage is limited by physical interferences from the reactor bottom mounted instrument tubes as indicated via the attached sketches. These conditions make 100 percent examination impractical for these welds. To gain access for examination, the RPV head would require design modification. Imposition of this requirement would be a significant burden on TXU Energy.

V. Proposed Alternative and Basis for Use:

There are no proposed alternatives. TXU has examined a significant portion of the weld, obtaining approximately 75 percent of the required volumetric examination coverage. There were no recordable indications identified by the volumetric examination.

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-8**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

Continued

Therefore, TXU Energy believes that the examination performed provides adequate confidence that there are no matters of concern regarding the structural integrity of the subject welds.

VI. Duration of Proposed Alternative:

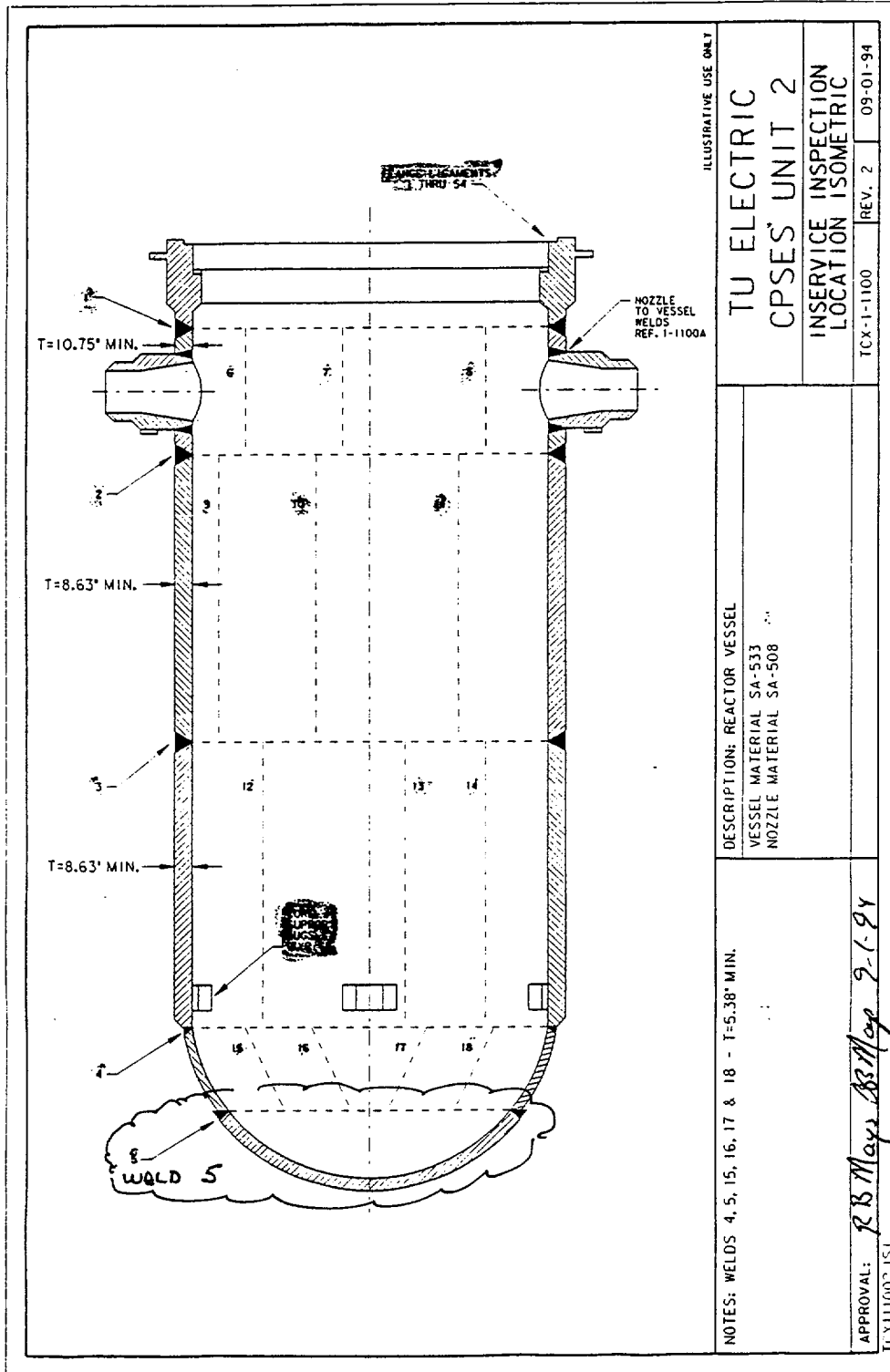
This relief is requested for the Comanche Peak Steam Electric Station Unit 2, third period of the first 10-year interval vessel examination.

VII. Precedents:

1. TXU Energy letter logged TXX-99030 dated February 17, 1999. NRC response dated September 24, 1999, reference TAC NO. MA4845 and MA6322.

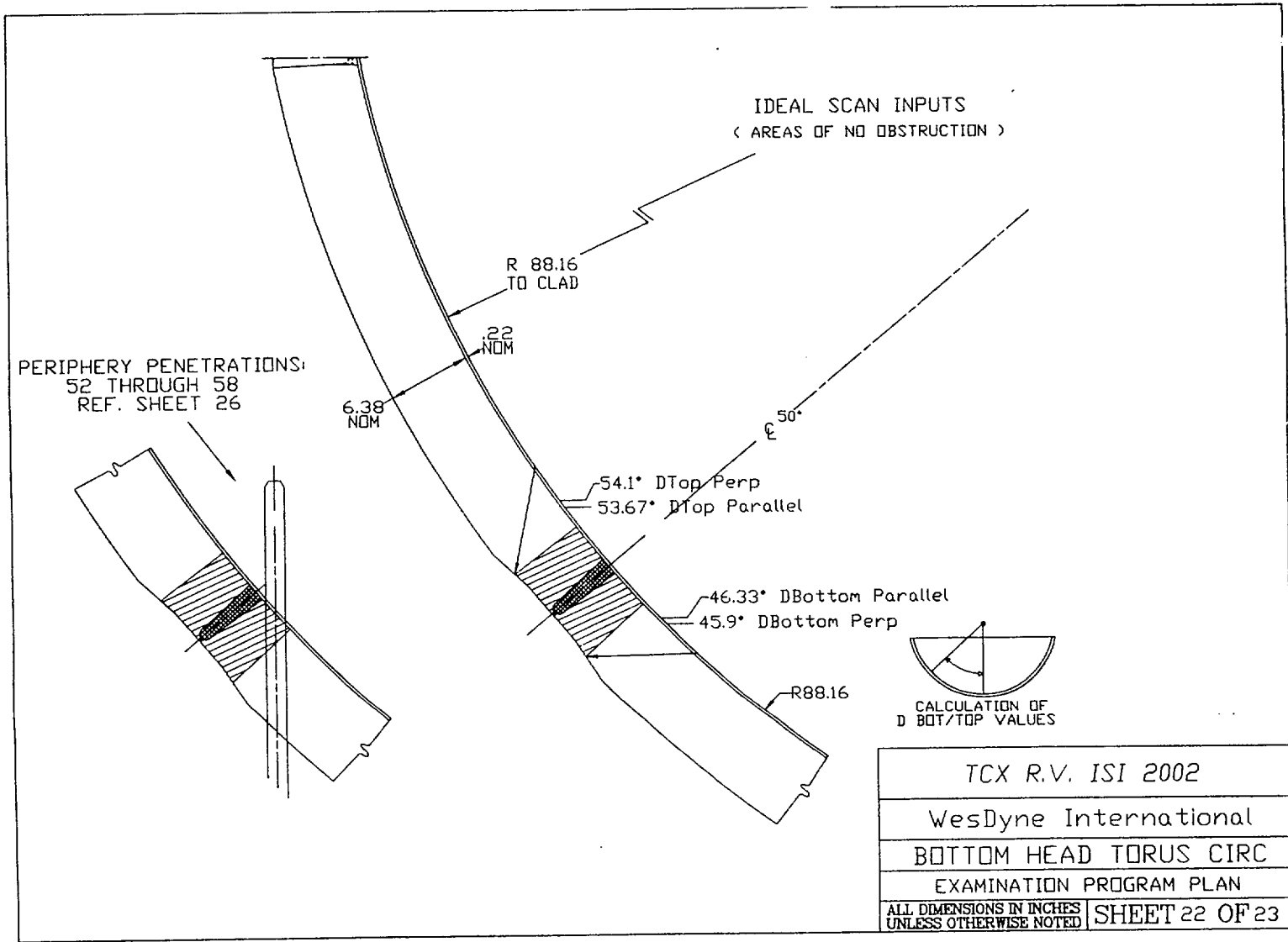
**TXU GENERATION COMPANY LP
 COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
 FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-8**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
 -INSERVICE INSPECTION IMPRACTICALITY-
 Continued**



**TXU GENERATION COMPANY LP
 COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
 FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-8**

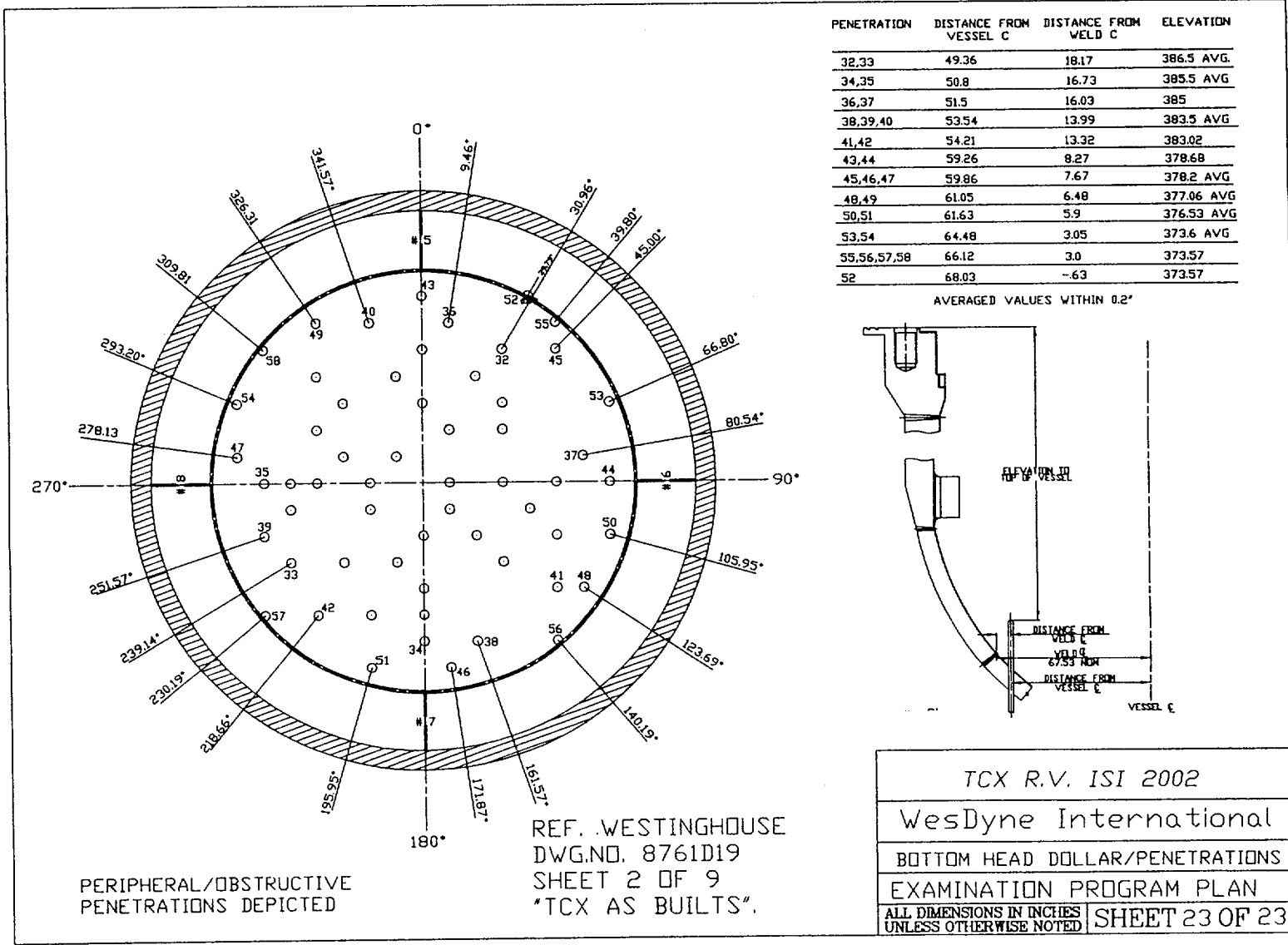
**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
 -INSERVICE INSPECTION IMPRACTICALITY-
 Continued**



**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-8**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

Continued



PERIPHERAL/OBSTRUCTIVE
PENETRATIONS DEPICTED

REF. WESTINGHOUSE
DWG.NO. 8761D19
SHEET 2 OF 9
"TCX AS BUILT".

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-9**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

I. System/Component for Which Relief is Requested:

ASME Class I Reactor Pressure Vessel (RPV) Outlet Nozzle to Shell Welds.

RPV Nozzle-to-Vessel Weld (Weld No. TCX-1-1100A-19)

RPV Nozzle-to-Vessel Weld (Weld No. TCX-1-1100A-22)

RPV Nozzle-to-Vessel Weld (Weld No. TCX-1-1100A-23)

RPV Nozzle-to-Vessel Weld (Weld No. TCX-1-1100A-26)

II. Code Requirement from Which Relief is Requested:

Comanche Peak Unit 2 is currently required to perform inservice examinations of selected welds in accordance with the requirements of 10 CFR 50.55a, and the 1986 Edition with no Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components. The subject welds are described in Table IWB-2500-1, Examination Category B-D, and Full Penetration Welds of Nozzles in Vessels, Code Item B3.90, Figures IWB-2500-7(b), and requires volumetric examination of these welds.

III. Impracticality of Compliance:

The examination coverage is limited by area geometries of the reactor vessel outlet nozzles. Best effort examination resulted in volumetric coverage of approximately 84.4 percent due to weld and vessel shell configuration. It is impractical to obtain a volumetric coverage of 100 percent required by the Code for each of the subject welds unless the RPV is redesigned to improve access to the welds.

IV. Burden Caused by Compliance:

The examination coverage is limited by area geometries of the reactor vessel outlet nozzles, as indicated via the attached sketch on page 3. These conditions make 100 percent examination impractical for these welds. To gain access for examination would require design modification. Imposition of this requirement would be a significant burden on TXU Energy.

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-9**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

Continued

V. Proposed Alternative and Basis for Use:

The are no proposed alternatives. TXU has examined a significant portion of the weld, obtaining approximately 84.4 of the required volumetric examination coverage (see typical Table on page 4). Essentially 100 percent of the examination volume for each weld was examined in the axial scan direction from nozzle inside bore by techniques designed for the detection and sizing of surface and subsurface flaws oriented in a plane normal to the vessel inside surface and parallel to the weld. The examination performed in this manner emphasizes the detection of the types of flaws that can result from welding processes or inservice conditions. There were no recordable indications identified by the volumetric examination.

Therefore, TXU Energy believes that the best effort examination performed provides adequate confidence that there are no matters of concern regarding the structural integrity of the subject welds.

VI. Duration of Proposed Alternative:

This relief is requested for the Comanche Peak Steam Electric Station Unit 2, third period of the first 10-year interval vessel examination.

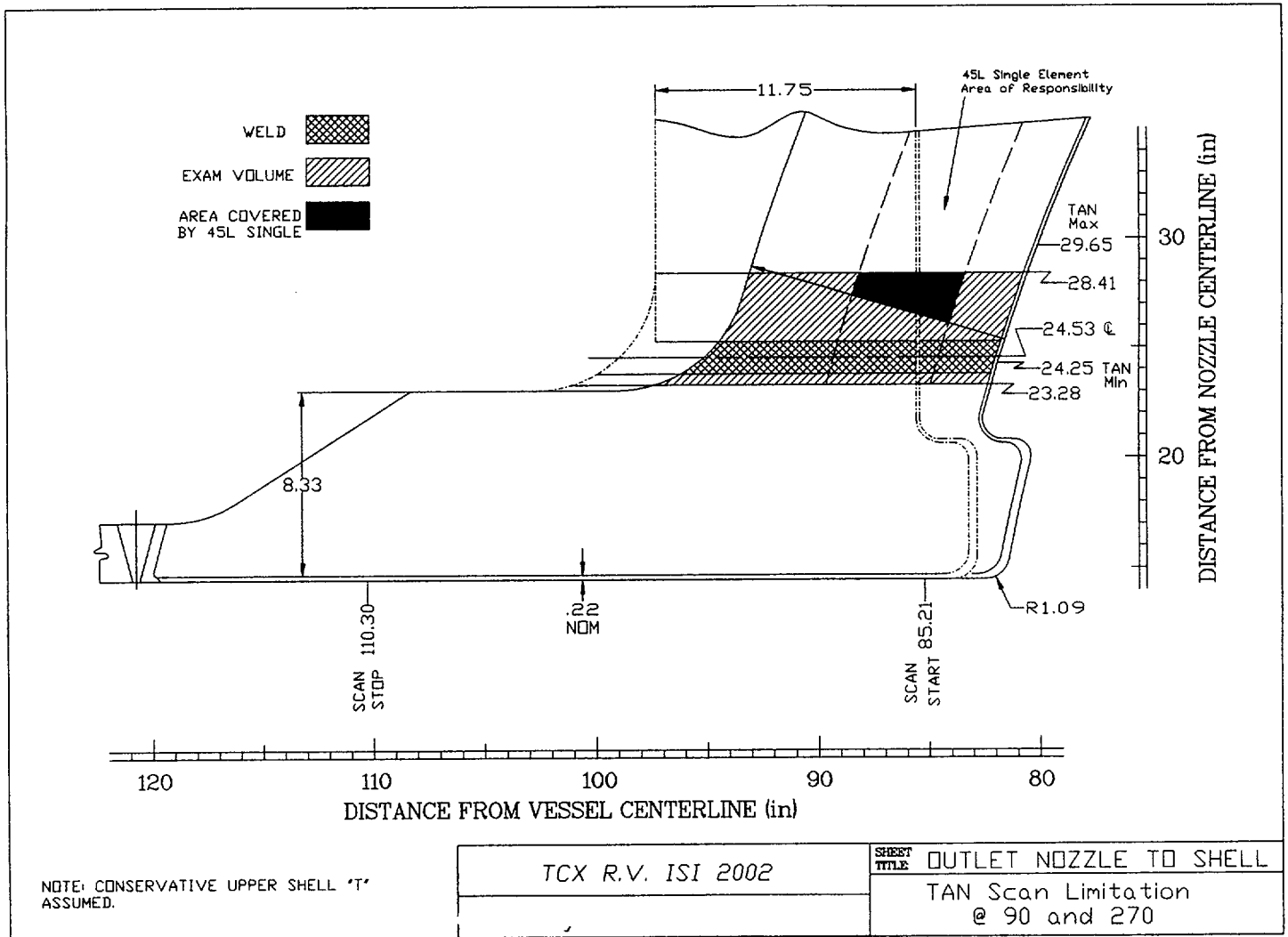
VII. Precedents:

- 1) TXU Energy letter logged TXX-99030 dated February 17, 1999. NRC response dated September 24, 1999, reference TAC NO. MA4845 and MA6322.

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-9**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

Continued



**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. B-9**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

Continued

| Comanche Peak Unit #2 (TCX) | | | | | DIRECTION / ORIENTATION | | | | | |
|---|------------|------------|------------|------------|--------------------------------|--------|---|--------|-----------|--------|
| RPV COVERAGE ESTIMATE BREAKDOWNS | | | | | PARALLEL SCANS | | CCW / CW | | | |
| | | | | | PERP. SCANS | | Bore Axial | | | |
| ITEM / AREA <u>Outlet Nozzle to Shell @ 22°</u> | | | | | WELD NO. | | <u>TCX-1-1100A-18</u> <i>TYPICAL</i> | | | |
| BEAM ANGLES | | | | | | | | | | |
| BEAM DIRECTION | 10° L | | 50° L | | 45° L Dual | | 45° L Single | | 45° Shear | |
| | WELD | VOLUME | WELD | VOLUME | WELD | VOLUME | WELD | VOLUME | WELD | VOLUME |
| CCW | | | | | 100 | 100 | 5 | 62 | 55 | 90 |
| CW | | | | | 100 | 100 | 5 | 62 | 55 | 90 |
| UP (IN) | | | | | | | | | | |
| DOWN (OUT) | | | | | | | | | | |
| BORE AXIAL | (1) 100 | (1) 100 | (1) 100 | (1) 100 | | | | | | |
| | | | | | | | | | | |

(1) Combined Coverage Bore Axial = 100%
(2) Tan Scan Coverage = 68.7%

Combined Coverage = 84.4%

ANALYST *SA Sels*

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. C-6**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

I. System/Component for Which Relief is Requested:

Chemical and Volume Control (CVCS) Pump TCX-CSAPCH-01. ASME Class 2
Integrally Welded Pump Attachments.

Weld No. TCX-2-3110-3WS

Weld No. TCX-2-3110-4WS

II. Code Requirement from Which Relief is Requested:

Comanche Peak Unit 2 is currently required to perform inservice examinations of selected welds in accordance with the requirements of 10 CFR 50.55a, and the 1986 Edition with no Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components. The subject welds are described in Table IWC-2500-1, Examination Category C-C, Code Item B3.30, Figures IWC-2500-5, and requires surface examination of these welds.

III. Impracticality of Compliance:

The examination coverage is limited due to interference from the housing seal and pump base plate. Therefore, the Code required 100 percent surface examination by liquid penetrant method can not be achieved. Best effort examination resulted in coverage of approximately 77 percent of the area. It is impractical to obtain coverage of 100 percent required by the Code for each of the subject welds unless the CVCS Pump is redesigned to improve access to the welds.

IV. Burden Caused by Compliance:

The examination coverage is limited by area geometries of the CVCS pump housing seal and pump base plate, as indicated via the attached sketches on pages 3 thru 5. These conditions make 100 percent examination impractical for these welds. To gain access for examination would require design modification. Imposition of this requirement would be a significant burden on TXU Energy.

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. C-6**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-
Continued**

V. Proposed Alternative and Basis for Use:

There are no proposed alternatives. TXU has examined a significant portion of these welds, obtaining approximately 77 percent of the required volumetric examination coverage. There were no recordable indications identified by the liquid penetrant surface examination.

Therefore, TXU Energy believes that the examination performed provides adequate confidence that there are no matters of concern regarding the structural integrity of the subject welds.

VI. Duration of Proposed Alternative:

This relief is requested for the Comanche Peak Steam Electric Station Unit 2, third period of the first 10-year interval vessel examination.

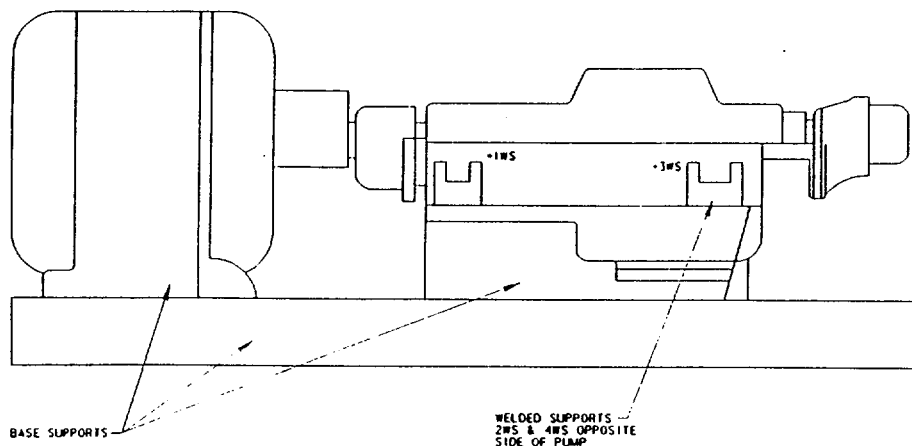
VII. Precedents:

- 1) TXU Energy letter logged TXX-93107 dated March 15, 1993. NRC response dated November 29, 1994, reference TAC NO. M83125.

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. C-6**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-**

Continued



ILLUSTRATIVE USE ONLY

NOTES: • PUMP DESIGNATION PRECEDES ITEM IDENTIFICATION

DESCRIPTION: CS CHARGING PUMPS 1 & 2

TU ELECTRIC
CPSES UNIT 2

INSERVICE INSPECTION
LOCATION ISOMETRIC

APPROVAL: *R. B. Mays* *AS. Mays* 9-1-94

TCX-2-3110


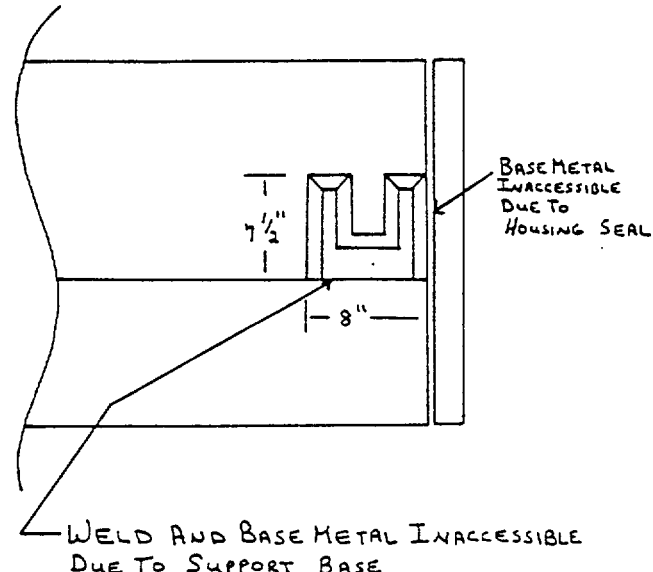
REV. 1

09-01-94

TCX-3110(1.15)

**TXU GENERATION COMPANY LP
COMANCHE PEAK STEAM ELECTRIC STATION UNIT 2
FIRST TEN-YEAR INTERVAL ISI RELIEF REQUEST NO. C-6**

**PROPOSED ALTERNATIVE IN ACCORDANCE WITH 10 CFR 50.55a(g)(5)(iii)
-INSERVICE INSPECTION IMPRACTICALITY-
Continued**

| | | | |
|--|---|---|---|
|  | WESTINGHOUSE NUCLEAR SERVICES DIVISION | | REPORT NO. <u>PT-02</u> |
| | LIMITATION TO EXAMINATION | | PAGE <u>2</u> OF <u>2</u> |
| PLANT | <u>COMANCHE PEAK</u> | UNIT <u>2</u> | SKETCH <u>TCX-2-3110</u> |
| SYST / COMP | <u>Centrifugal Charging Pump 1</u> | | PROCEDURE <u>TX-ISI-11 Rev. 6</u> |
| EXAMINER | <u>J. Funyak</u> <i>J. Funyak</i> | LEVEL <u>II</u> | DATE <u>3-20-02</u> |
| EXAMINER | <u>L. Musgrave</u> <i>L. Musgrave</i> | LEVEL <u>II</u> | DATE <u>3-20-02</u> |
| COMPONENT ID <u>3 WS & 4 WS</u> | | | |
| RELATED TO | <input type="checkbox"/> MT | <input checked="" type="checkbox"/> PT | <input type="checkbox"/> UT <input type="checkbox"/> VT |
| PROVIDE SUFFICIENT INFORMATION TO DESCRIBE SIZE, LOCATION AND TYPE OF LIMITATION. | | | |
| COMMENTS / SKETCH / DETAILS | | | |
|  | | | |
| TYPICAL 3WS + 4WS | | | |
| 23% OF REQUIRED VOLUME NOT EXAMINED OF 3WS + 4WS | | | |
| TU ELECTRIC REVIEW / DATE <i>Paul M. Pauling</i> 4/6/02 | TU ELECTRIC LEVEL III REVIEW / DATE <i>J. Ragon</i> 4/6/02 | ANII REVIEW / DATE <i>Joe C. Hair</i> 4/8/02 | |