

Ref. #10CFR50.55a(g)(5)(iii)

TXU Electric Comanche Peak Steam Electric Station P.O. Box 1002 Glen Rose, TX 76043 Tel: 254 897 8920 Fax: 254 897 6652 Iterry1@txu.com C. Lance Terry Senior Vice President & Principal Nuclear Officer

CPSES-200101469 Log # TXX-01110 File # 10010.1 905.2 (clo)

June 22, 2001

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNIT 2 DOCKET NO. 50-446 REVISED RELIEF REQUESTS FOR UNIT 2 INSERVICE INSPECTION PROGRAM (1986 EDITION OF ASME CODE, SECTION XI, NO ADDENDA; UNIT 2 INTERVAL DATES: AUGUST 3, 1993 - AUGUST 3, 2003, FIRST INTERVAL)

REF: 1) TXU Electric Letter, logged TXX-01024, from Mr. C. L. Terry To the NRC dated February 2, 2001

Gentlemen:

TXU Electric has concluded that conformance with certain ASME Code requirements as specified in the attachment to this letter are impractical for Comanche Peak Steam Electric Station Unit 2. Pursuant to 10 CFR 50.55a(g)(5)(iii) TXU Electric requested relief from the Code requirements via Reference 1. During the Review of Reference 1, NRC staff determined that additional information was required. This transmittal submits the revised relief requests B-1 Revision 1, B-5 Revision 1 and C-5 (Attachments 1 through 3 respectively) for your approval.

Please refer to Reference 1 for previous approval of Relief Requests B-1 and B-5 by the NRC staff.

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There are no new licensing based commitments in the communication. Should you have additional questions, please contact Obaid Bhatty at 254-897-5839.

Sincerely,

C. L. Terry

elling By

J. J. Kelley, Jr. Vice President - Nuclear Engineering & Support

OAB/oab

Attachments

cc: E. W. Merschoff, Region IV D. N. Graves, Region IV D. H. Jaffe, NRR Resident Inspectors, CPSES G. Bynog, TDLR Attachment 1 to TXX-01110 Page 1 of 9

CPSES UNIT 2 RELIEF REQUEST B-1 REVISION 1

I. <u>System/Component for Which Relief is Requested:</u>

Reactor Coolant System/Rector Vessel Closure Head Welds.

Examination Category B-A, Item Number B1.40 and B1.21

TCX-1-1300-1- Reactor Vessel Closure Head to Flange Weld TCX-1-1300-2- Reactor Vessel Closure Head Ring to Disc Weld

II. <u>Code Requirement:</u>

1986 edition of ASME code, Section XI, no addenda, Examination Category B-A, Item number B1.40 and B1.21 require complete ultrasonic examination of the weld length, as described in Table IWB-2500-1.

III. Code Requirement from Which Relief Is Requested.

Pursuant to the requirements of 10 CFR 50.55a(g)(5)(iii), relief is requested from performing the volumetric examination for 100% of the weld lengths as described in Table IWB-2500-1. Examination Category B-A, Item numbers B1.40 and B1.21.

IV. Basis for relief:

Interferences from the reactor head flange, shroud and lifting lugs preclude the complete ultrasonic examination of the volume required by Figures IWB-2500-3 and IWB-2500-5 as applicable.

Approximately 15% of the examination volume of weld TCX-1-1300-1 and 17% of the examination volume of weld TCX-1-1300-2 did not receive the full code required coverage during the first period examinations.

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CPSES UNIT 2 RELIEF REQUEST B-1 REVISION 1 (continued)

Approximately 15% of the examination volume of weld TCX-1-1300-1 and 17% of the examination volume of weld TCX-1-1300-2 did not receive the full code required coverage during the second period examinations.

Best effort examinations were performed. Full circumferential scan coverage was obtained for both welds. Axial scan coverage was achieved in one beam path direction with two different beam angles for 99% of the examination volume of TCX-1-1300-1 and for 97% of the examination volume of TCX-1-1300-2.

See pages 3 through 9 for weld locations and surface configurations.

There were no recordable indications identified by the best effort volumetric examination or by the required surface examination performed on TCX-1-1300-1.

V. Alternate Examinations:

No alternative examinations are proposed in lieu of the ultrasonic examination conducted for the subject welds.

VI. Justification for Granting of Relief:

The subject welds were examined to the maximum extent possible (approximately 90% and 97% of examination completed in all cases) and yielded no indications. Based on the high percentage of the examination volume completed, and the lack of any reportable indications, there is a high level of confidence in the continued structural integrity of the welds. There is no anticipated impact upon the overall plant quality and safety, and the health and safety of the public should not be jeopardized by the granting of relief.

VII. Implementation Schedule:

According to the Unit 2 ISI Program Plan, 1/3 of the weld surface and volumetric examinations are performed each period.

The subject weld examinations were performed during the 5th outage, 2nd period, of the first 10-year interval for CPSES Unit 2.

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CPSES UNIT 2 - RELIEF REQUEST B-1 REVISION 1 (continued)

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CPSES UNIT 2 - RELIEF REQUEST B-1 REVISION 1 (continued)

Attachment 1 to TXX-01110 Page 5 of 9



CPSES UNIT 2 - RELIEF REQUEST B-1 REVISION 1 (continued)

Attachment 1 to TXX-01110 Page 6 of 9



CPSES UNIT 2 - RELIEF REQUEST B-1 REVISION 1 (continued)

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Attachment 1 to TXX-01110 Page 7 of 9

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PLANT	Comanche Peak	<u> </u>			SKETCH	TCX-1-1300	.	
SYST/COMP	REACTOR COOLANT		-	PF	ROCEDURE	TX-ISI-210	Rev. 4	FC N/A
EXAMINER		R. Exiction	_ LEVEL		DATE	1	0/8/2000	·····
EXAMINER	<u>N/A</u>			<u>N/A</u>	DATE			
COMPONENT	ID TCX-1-1300-1 TCX-1-1	300-2	_					
RELATED TO	Ĵ MT	PT	θUT		j vτ			

PROVIDE SUFFICIENT INFORMATION TO DESCRIBE SIZE, LOCATION AND TYPE OF LIMITATION.

COMMENTS/SKETCH/DETAILS

TCX-1-1300-1: 15% of required volume not examined. 99% examined with 45° and 60° in at least one direction. 8% of required volume not examined with 60°.

TCX-1-1300-2: 17% of required volume not examined. 97% examined with 45° and 60° in at least one direction. 11% of required volume not examined with 60°.

SEE WELD PROFILE SHEETS.



TU ELECTRIC REVIEW / DATE TU ELECTRIC LEVEL III REVIEW / DATE ANII REVIEW / DATE Paul n Banky 10-7-00 10/13/00 C. Hair Wisles

			WESTINGHOUSE N	UCLEAR SERVICES DE	IVISION	REPORT NO. BS-00	003
	()		BE	AM SPREAD			
PLANT	Comanche Peak			UNIT2	SKETCH	N/A	
SYST/COMP	RC				PROCEDURE	TX-ISI-210 Rev. 4 Fe	
EXAMINER	Erickson, Scott	Scott R. E	Richson	LEVEL II	DATE	10/8/2000	
EXAMINER	N/A			LEVEL N/	A DATE		
TRANSDUCE	R S/N	009Y45	ANGLE	45°	CAL. BLOCK	TBX-29	
	SIZE	.5"x1"	FREQUENCY	2.25 MHz	THICKNESS	8.6	
				IMAGE	REDUCED		EF REQUEST B-1 REVISION 1 (com
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Attachment 1 to TXX-01110 Page 8 of 9

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				BEAI	M SPREAD				PAGE		=	-
PLANT	Comanche Peak				UNIT	2	SKETCH	N/A				i
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CPSES UNIT 2 RELIEF REQUEST B-5 Revision 1

I. <u>System/Component for Which Relief is Requested:</u>

Reactor Coolant System

Examination Category B-B, Item No. B2.40

TCX-1-3100-2-1, TCX-1-3100-1-1 Steam generator tubesheet-to-channel head welds

(Note: TCX-1-3100-1-1 added in this revision of the relief request)

II. <u>Code Requirement:</u>

1986 edition of ASME code, Section XI, no addenda, Table IWB-2500-1, Examination Category B-B, Item No. B2.40 requires complete ultrasonic examinations of the volume defined by Figure IWB-2500-1.

Note: The CPSES ISI Plan requires different steam generators to be examined during each inspection period. A relief request revision is processed to document the specific limitations encountered during the examination of each of the steam generators.

III. <u>Code Requirement from Which Relief is Requested:</u>

Pursuant to the requirements of 10 CFR 50.55a(g)(5)(iii), relief is requested from performing complete ultrasonic examinations of the volume defined by Figure IWB-2500-1.

IV. Basis for Relief:

Interferences from the steam generator tubesheet flange (or support collar) configuration and from welded insulation support pads preclude the complete ultrasonic examination of the volume required by Fig. IWB-2500-6. Attachment 2 to TXX-01110 Page 2 of 11

CPSES UNIT 2 RELIEF REQUEST B-5 Revision 1 (continued)

Approximately 31% of the examination volume of weld TCX-1-3100-2-1 did not receive the full code required coverage. See pages 2 through 5 for weld location and examination area configurations.

Approximately 31% of the examination volume of weld TCX-1-3100-1-1 did not receive the full code required examination coverage. Refer to pages 6 through 10 for weld location and examination area configurations.

There were no recordable indications identified by the volumetric examination performed on the accessible portions of the weld.

V. <u>Alternate Examinations:</u>

No alternate examinations are proposed in lieu of the Ultrasonic examinations conducted for the subject welds.

VI. Justification for the Granting of Relief:

The subject welds were examined to the maximum extent possible and yielded no indications. Based on the high percentage of the examination volume completed, and the lack of any reportable indications, there is a high level of confidence in the continued structural integrity of the welds. There is no anticipated impact upon the overall plant quality and safety, and the health and safety of the public should not be jeopardized by the granting of relief.

VII. Implementation Schedule:

TCX-1-3100-2-1 was previously examined during the third outage, 2nd period, 1st interval for CPSES Unit 2.

TCX-1-3100-1-1 was examined during the fifth outage, 2nd period, 1st interval for CPSES Unit 2.

Attachment 2 to TXX-01110 Page 3 of 11



CPSES UNIT 2 - RELIEF REQUEST B-5 Revision 1 (continued)

Attachment 2 to TXX-01110 Page 4 of 11

WESTINGHOUSE NUCLEAR SERVICES DIVISION
LIMITATION TO EXAMINATION
PLANT COMANCHE PEAK UNIT 2 SKETCH TOX 1 2000 DEVICE
SYST JCOMP. STEAM GENERATOR 2 BROOSSWIDE
EXAMINER MAL Paul CM. 1 1 An 12
DATE 11-18-97
RELATED TO: UT X PT MT VT SOBNT, NO. 2-1
PROVIDE GENERAL INFORMATION TO DESCRIBE APPROXIMATE SIZE, LOCATION AND TYPE OF LIMITATION.
S SIDE
SUPPORT COLLAR
4 193" + 205" + 205" + 205"
+ 325" + 255" + 128" a"
2 SIDE
EVENTEEN 25" X 25" WELDED PADS APPROXIMATELY 7 FROM
UPPORT COLLAR LIMITS 60" SCAN
5" - 22% NOT EXAMINED
1% OF REQUIRED EXAMINATION VOI LIME NOT EXAMINED
A UNIT OF AND WELD PROFILE EXAMINATION DATA SHEET

CPSES UNIT 2 - RELIEF REQUEST B-5 Revision 1 (continued)

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Attachment 2 to TXX-01110 Page 5 of 11



CPSES UNIT 2 - RELIEF REQUEST B-5 Revision 1 (continued)

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Attachment 2 to TXX-01110 Page 7 of 11

	CPSES UNIT 2 - RELIEF REQ	UEST B	-5 R	evision 1 (continue	d)				
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	LIMITATION TO		PAGE	2OF2						
PLANT	Comanche Peak		2	SKETCH	TCX-1-3100					
SYST/COMP	REACTOR COOLANT			PROCEDURE	TX-ISI-210	Rev. 4 FC N/A				
EXAMINER	Mixon, W. Andrew Wfcle		<u> </u>	DATE	10	/5/2000				
EXAMINER	Holasek, Wade Vale Hasek		_111	DATE	10/	/5/2000				
COMPONENT	ID TCX-1-3100-1-1									
RELATED TO	MT PT	● UT		· vt						

PROVIDE SUFFICIENT INFORMATION TO DESCRIBE SIZE, LOCATION AND TYPE OF LIMITATION.

COMMENTS/SKETCH/DETAILS

Four 24"X 24" Support pads restricts all scan for 22%. Seventeen 2.5"X 2.5" welded pads approx. 7" from CL limits 60° scan. 0° -22% not examined. 45° -22% not examined. 60° -31% not examined. 31% of required exam volume not examined.



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Attachment 2 to TXX-01110 Page 8 of 11

			WESTINGHOUSE N INSPEC	UCLEAR SERVICE CTION SERVICES	ES DIVISION			REPORT NO. PAGE 1	BS-00002
PLANT	Comanche Peal	<u>k</u>		UNIT	2	SKETOL	••••		
SYST/COMP	N/A					PROCEDURG	<u>N/A</u>		
EXAMINER	Erickson, Scott	Scott R.E	pichoon	LEVEL	11	DATE	TX-ISI-210	Re Re	v. 4 FC N/A
EXAMINER	Musgrave, Larry	darry M. M. magram	ς	LEVEI		DATE		10/4/2000	
TRANSDUCER	R S/N	009Y45	ANGLE	45°				10/4/2000	
	SIZE	.5"x1"	FREQUENCY	2.25 MHz	······	THICKNESS		TBX-28	
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Attachment 2 to TXX-01110 Page 9 of 11

Attachment 2 to TXX-01110 Page 10 of 11



CPSES UNIT 2 - RELIEF REQUEST B-5 Revision 1 (continued)

Attachment 2 to TXX-01110 Page 11 of 11

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CPSES UNIT 2 - RELIEF REQUEST B-5 Revision 1 (continued)

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Attachment 3 to TXX-01110 Page 1 of 8

CPSES UNIT 2 RELIEF REQUEST C-5

I. <u>System/Component for Which Relief is Requested:</u>

Containment Spray.

Examination Category C-F-1, Item No. C5.11

TCX-2-2577-12pipe to valveTCX-2-2577-20pipe to valveTCX-2-2578-35pipe to nozzle

II. <u>Code Requirement:</u>

1986 edition of ASME code, Section XI, no addenda, Table IWB-2500-1, Examination Category C-F-1, Item No. C5.11 requires complete ultrasonic examinations.

III. Code Requirement from Which Relief is Requested:

Pursuant to the requirements of 10 CFR 50.55a(g)(5)(iii), relief is requested from performing complete ultrasonic examinations of the volume defined in Table IWB-2500-1, Examination Category C-F-1, Item No. C5.11.

IV. Basis for Relief:

Complete examination of the volume defined Table IWB-2500-1 is impractical for the subject welds because of the geometrics of the examination volume for these welds.

The specific examination area geometry of the pipe to valve welds for TCX-2-2577-12 and TCX-2-2577-20 and the pipe to nozzle weld for TCX-2-2579-35 precludes the complete ultrasonic examination of the volume required by Figure IWC-2500-7. Approximately 10% of the exam volume for each weld of TCX-2-2577-12, TCX-2-2577-20, and TCX-2-2578-35 did not receive the full code required coverage.

Best effort examinations consisting of two separate base metal angle shear and longitudinal waves were performed. Full circumferential scan coverage was obtained for both welds.

Attachment 3 to TXX-01110 Page 2 of 8

CPSES UNIT 2 RELIEF REQUEST C-5 (continued)

Axial scan coverage was achieved in at least 1 beam path direction with two beam angles (45 and 70 degrees) for the entire exam volume of both welds. (Refer to pages 3 through 8).

There were no recordable indications identified by the best effort volumetric exam or by the required surface exam performed.

V. <u>Alternate Examinations:</u>

No alternate examinations are proposed in lieu of the ultrasonic examinations conducted for the subject welds.

VI. Justification for the Granting of Relief:

The subject welds were examined to the maximum extent possible and yielded no indications. Based on the high percentage of the examination volume completed, and the lack of any reportable indications, there is a high level of confidence in the continued structural integrity of the welds. There is no anticipated impact upon the overall plant quality and safety, and the health and safety of the public should not be jeopardized by the granting of relief.

VII. Implementation Schedule:

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The examinations for the subject welds were performed during the fifth outage, 2nd period, 1st interval for CPSES Unit 2.

PDI		(Cal	libra	tion D	ata Sheet
Plant/Unit <u>CPSES</u> Company <u>WesDy</u> Comp/System Cont S	/ Unit 2 ne	[Date S Page	Sheet # 1	PDI-6 of <u>1</u>	
Procedure No. TX-ISI- Rev/Chng. No. 0 / 0 Cal. Block No. TBX-48	302		Cal. Cl nitial (nitial (hecks Calib. Calib. Dat	Time 0725 e 9-26-00	
Cal. Block Temp. 73° Col Therm S/N TU-225 Size 16"/30 Sch.	mp. Temp. 0 0.375 *	79° T"	ntermediate 9-26-00 ntermediate N/A ntermediate N/A final Calib. 1705			
Each Maj. or CRT Div. = Cal. Direction: Axial Scan Area: to W	X Austen 0.2" Circ. E /eld X	itic F Both <u>X</u>	inal C ype:	Coupla Ultrage	≥ 9-26-00 ant el II	Search Unit #1 Search Unit #2 Manufacture: KBA Manufacture: KBA Serial No.: 009R22 / 2.25Mhz Serial No.: 009R22 / 2.25Mhz
ii to vy	Access	Ri In	atch: ecorda dicati	97425 able ons	Exam	Size: 0.250" Shape: Round Size. 0.250" Shape: Round Exam Angle: 45°S Model: Comp. Exam Angle: 70°S Model: Comp. Measured Angle: 45°S Measured Angle: 70°S Measured Angle: 70°S Wedge Style: Non Integral Wedge Style: Non Integral
Examination Area/Weld TCX-2-2577-12	UPS	Yes	No X	Geom NO	Sens. 39.0 dB	Search Unit Cable Search Unit Cable Type: RG-174 Type: RG-174 Length: 6' No 0 Length: 6' No 0
Remarks/Reasons for inc	omplete S	can(s) F	Dine to	Valvo		Instrument Settings Instrument Settings Make/Model: Sonic 136 Make/Model: Sonic 136
Remarks/Reasons for incomplete Scan(s) Pipe to Valve 10% Not Examined Exam Sensitivity for 70° is 48.0 dB, it was reduced to a level below calibration sens. to reduce I.D. roll to a level between 5%~20% FSH					vel below 20% FSH	Serial No: SAP 101313 Serial No: SAP 101313 Delay: $0.247"$ Range: $2.00"$ Delay: $0.433"$ Range: $2.00"$ M'tl Cal/Vel: $0.121"/\mus$ Pulser: $222ns$ M'tl Cal/Vel: $0.121"/\mus$ Pulser: $222ns$ Damping: 500Ω Reject: OFF Damping: 500 Reject: OFF Rep. Rate: $4K$ Freq: $2.25Mhz$ Rep. Rate: $4K$ Freq: $2.25Mhz$
as per procedure. Examiners:	luna	Leve	1 <u>111</u>	Date	09-26-00	Filter: 1 Mode: P.E. Reference Sensitivity (Sens.) Filter: 1 Mode: P.E. Avial: 32.0 dB Circle 24.2 dD Avial: 54.2 dD Sens.)
N/A Reviewers: <u>Lee Ale</u>	Furthe	Leve	I <u>N/A</u> ion Re	<u> Date</u> equired? `	<u>N/A</u> Yes No <u>X</u>	SDH Sensitivity: <u>N/A</u> SDH Sensitivity: <u>N/A</u>
U Electric Review / Date	- 10/1	400	\ /	$\frac{10 \text{ Electric}}{\sqrt{1000 \text{ K}^2}}$	Level III Revie	ANII Review / Date Ants witnessed exam 10/13/00 / Date Ants witnessed exam 10/13/00

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CPRES INT 2 RELIEF RE D THAT 2 n . 9

Attachment 3 to TXX-01110 Page 4 of 8

CPSES UNIT 2- RELIEF REQUEST C-5 (continued)



PDI

Calibration Data Sheet

Plant/Unit	CPSES	/ Unit 2	[Date S	heet #	PDI-2	
Company	WesDyr	1e	۲	Page	1	of <u>1</u>	
Comp/System	Cont. Sp	pray					
Procedure No.	TX-ISI-3	302		Cal. Cl	necks	Time	
Rev/Chng. No.	0/0			nitial C	Calib.	1019	
Cal. Block No.	TBX-48			nitial C	alib. Dat	e 9-26-00	
Cal. Block Temp.	73° Con	np. Temp.	83°	nterm	ediate	N/A	
Therm S/N	TU-2250	0	ī	nterm	diate	N/A	┤ ┝─┼╾┼─┼ ╹╎╵┥╸╎ ╸┼╼┼╾┼╾┥ ┝─┼ ╸╎╸┥╺╎╸╎╸╎╸╎╸ ┥
Size 16"/30	Sch.	0.375 *	T" F	inat C	alib.	1422	┥╴┝╍┼╍┽┼┼┼╍┼╍┼╼┦┲╢╼╴
Ferritic	Γ	X Austen	itic F	Final C	alib. Dat	e 9-26-00	┦ <u>┣┤┦╍┝╍╁╍┼╍┼╺╋╼┧╴┼</u> ╶┥
Each Maj. or CRT	Div. = 0).2"	-				Search Unit #1 Search Unit #2
Cal. Direction:	Axial	Circ. E	oth X		Coupl	ant	Manufacture: KBA Manufacture: KBA
Scan Area:	I to W	eld X		vpe:	Ultrage	el II	Serial No.: 009R22/225Mbz Serial No.: 009R22/225MHz
	II to W	eld	E	Batch:	97425		Size: 0 250" Shape: Round Size 0 250" Shape: Round
			-				Exam Angle: 45°S Model: Comp Exam Angle: 70°S Model: Comp
			R	ecorda	hie		Measured Angle: 4500 Model. Comp. Lam Angle: 70-8 Model. Comp.
		Access	l Ir	ndicati	ons	Fxam	Wedge Style: Non Integral Wedge Style: Non Integral
Examination Area	a/Weld		Yes	No	Geom	Sens	Search Unit Cablo
TCX-2-2577-20		HIDS	100	X	NO	44.0 dB	Type: DC 174 Type: DC 474
		010		^		44.0 UD	Type: RG-174 Type: RG-174
							Length: 6' No 0 Length: 6' No 0
						-	Instrument Settings Instrument Settings
							Make/Model: Sonic 136 Make/Model: Sonic 136
Remarks/Reason	s for inc	omplete S	can(s) I	pipe to	Valve	· · · · · · · · · · · · · · · ·	Serial No: SAP 101313 Serial No: SAP 101313
10% Not Examine	ed.	•	.,	•			Delay: 0.247" Range: 2.00" Delay: 0.433" Range: 2.00"
							M'ti Cal/Vel: 0.121*/us Pulser: 222ns M'ti Cal/Vel: 0.121*/us Pulser: 222ns
Exam Sensitivity	v for 70°	is 48.0 dB	it was	reduc	ed to a le	wel helow	Damping: 500 O Reject: OFF Demping: 500 Paiest: OFF
calibration sens.	o reduce	e ID roll te	n a leve	l hetw	een 5%~	20% ESH	Pen Pate: 4K Free: 2 25Mbr Dar Date: 4K Free: 000
as per procedure						20/01/011	Filter AR Freq: 2.25Mhz Rep. Rate: 4K Freq: 2.25Mhz
vaminers.	•				Data		Priter: 1 Mode: P.E. Filter: 1 Mode: P.E.
	1.11		LCV	21 21	Date	00 24 00	Reference Sensitivity (Sens.) Reference Sensitivity (Sens.)
(Man P	Jun	man		111		09-24-00	
Janu R			1 თ.//	al N//	Data	NI/A	Axial: 32.0 ub CIFC: 34.2 dB Axial: 54.2 dB Circ: NA
Darme R N/A				⇒i 11//"		<u>11/A</u>	
Manue R N/A		/					OUTIOCIISIUVIIV. IN/A SEH Sensitivity: N/A
Reviewers [.] <u>F</u>	h	/	Leve	tion Re	auired?	Vas No V	
N/A Reviewers:	fr-	Furthe	Leve	tion Re	quired?	Yes No <u>X</u>	
Reviewers:	fr-	Furthe	r Evalua	tion Re	equired?	Yes No <u>X</u>	
N/A Reviewers:	th-	Furthe	r Evalua	tion Re	equired?	Yes No X	w/Date ANII Review/Date ANIT withessel fam
N/A Reviewers:	ate	Furthe	r Evalua	tion Re		Yes No X	W/Date ANII Review/Date ANFT witnessel Cam

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CPSES UNIT	F 2- RELIEF REQUES	ſC-5 (continued)
W	Vestinghouse Nuclear Service Inspection Services	Division
PROFI	LE OF THE EXAMINATIO	ON VOLUME
Plant COMANCHE DEAK	Unit 2	Shareh Trey of 2577 Port of
System/CompCONTAINMENT	SPOAV	Brocedure TY-TET 200 Percenter
Weld Identification 20	Date_ <u>7-2-91</u>	Examiner Allent Allen Level II
	DATUM	
	25/05	5 STOE
		ID.
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	.400" 34/" 321"	****
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PDI

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Calibration Data Sheet

Plant/Unit CPSES / Unit 2 Company WesDyne Comp/System Cont. Spray Procedure No. TX-ISI-302 Rev/Chng. No. 0 / 0 Cal. Block No. TBX-11 Cal. Block Temp. 73° Comp. Temp. 83° Them S/N TU-2250 Size 12"/40 Sch. 0.375 "T" Ferritic X Austenitic Each Maj. or CRT Div. = 0.2" / 0.1" Cal. Direction: Axial Circ. Both J	Date Sheet # Page 1 Cal. Checks Initial Calib. Initial Calib. Da Intermediate Final Calib. Dat Final Calib. Dat X Coup	PDI-5 of1 	Image: Search Unit #1 Search Unit #1 Search Unit #2 Manufacture: KBA Manufacture: KBA Manufacture: KBA Manufacture: KBA Manufacture: KBA
II to Weld Examination Area/Weld TCX-2-2578-35 UPS	Batch: 97425 Recordable Indications S No Geom X NO	Exam Sens. 44.0 dB	Serial No.: 009R22 / 2.25Mhz Serial No.: 009R22 / 2.25Hmz No.: Size: 0.250" Shape: Round Size. 0.250" Shape: Round Size. 0.250" Shape: Round No.: 009R22 / 2.25Hmz No.: Size. 0.250" Shape: Round Size. No.: No.: No.: 009R22 / 2.25Hmz No.: No:: No::
Remarks/Reasons for incomplete Scan(s 10% Not Examined. Exam Sensitivity for 70° is 48.0 dB, it was calibration sens. to reduce 1.D. roll to a lev as per procedure. Examiners: Le <u>N/A</u> Reviewers: <u>MA</u> Further Evalu TU Electric Review / Date Fund D Casalingo 16/12/00	i) Pipe to Valve. as reduced to a level between 5%~2 ivel Date Date $\frac{ }{ }$ vel <u>N/A</u> Date Date $\frac{ }{ }$ vel <u>N/A</u> Date $\frac{ }{ }$	vel below 20% FSH 09-24-00 N/A (es No <u>X</u> evel III Review	Make/Model: Sonic 136Instrument SettingsMake/Model: Sonic 136Make/Model: Sonic 136Serial No:SAP 101313Delay: $0.247"$ Range: $1.00"$ M'tl Cal/Vel: $0.121"/\mus$ Pulser:Damping: 500Ω Reject:OFFDamping: 500Ω Reject:QFFRep. Rate: $4K$ Freq: $2.25Mhz$ Filter:1Mode:P.E.Filter:1Mode:P.E.Filter:1Mode:P.E.Reference Sensitivity (Sens.)Axial: $32.6 dB$ Circ: $34.8 dB$ Axial: $56.4 dB$ Circ:NASDH Sensitivity:N/AMAke // DateAvial: $4K$ Annow // DateAnnow // Dat

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CPSES UNIT 2- RELIEF REQUEST C-5 (continued)