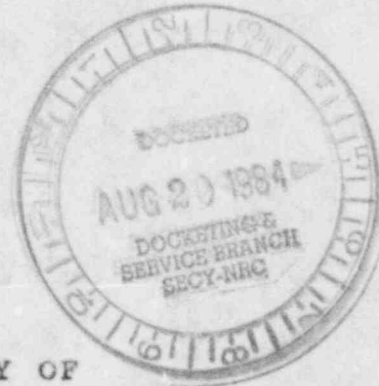


UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
BEFORE THE ATOMIC SAFETY & LICENSING BOARD

IN THE MATTER OF:)
)
TEXAS UTILITIES ELECTRIC)
COMPANY, ET AL)
)
(COMANCHE PEAK STEAM)
ELECTRIC STATION, UNITS)
1 AND 2))

50-445 06-2
50-446 06-2

DOCKET NOS.
50-445
50-446



PREFILED TESTIMONY OF
WILLIAM R. DARBY
AUGUST 18, 1984

PREFILED TESTIMONY OF WILLIAM R. DARBY, taken on
the 18th day of August, 1984, in the above-styled
and numbered cause, at Glen Rose Motor Inn located
at Highway 67 & FM Road 201, in the City of Glen
Rose, County of Somervell and State of Texas, before
Marigay Black, a Certified Shorthand Reporter in and
for the State of Texas.

8408230407 840821
PDR ADOCK 05000445
T PDR

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

APPEARANCES:

BISHOP, LIBERMAN, COOK, PURCELL & REYNOLDS
Attorneys at Law
1200 Seventeenth Street, N.W.
Washington, D.C. 20036

BY: McNeill Watkins II, Esq.

APPEARING FOR APPLICANTS

I N D E X

1		
2	WITNESS: WILLIAM R. DARBY	
3	Examination by Mr. Watkins	Page 4

DEPOSITION (DARBY) EXHIBITS

4		
5	Exhibit Number 1	Page 6
6	Exhibit Number 2	Page 9

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

1 WILLIAM R. DARBY,

2 the witness hereinbefore named, having been first
3 duly cautioned and sworn to tell the truth, the
4 whole truth and nothing but the truth, was examined
5 on his oath and testified as follows:

6 MR. WATKINS: My name is McNeill
7 Watkins, counsel for Applicants in the license
8 proceeding. This is the prefiled direct testimony
9 of William Darby. Mr. Darby is a Brown & Root
10 employee at Comanche Peak Steam Electric Station.
11 He is appearing as a witness voluntarily and has not
12 been subpoenaed by any party.

13 EXAMINATION

14 BY MR. WATKINS:

15 Q. Mr. Darby, would you state your full name,
16 please.

17 A. William Ralph Darby.

18 Q. By whom are you employed, Mr. Darby?

19 A. Brown & Root, Incorporated.

20 Q. Where are you employed?

21 A. Comanche Peak Steam Electric Station.

22 Q. What is your job title?

23 A. QC verification inspector.

24 Q. Who is your supervisor?

25 A. Greg Bennetzen.

1 Q. Who is his supervisor?

2 A. Robert Siever.

3 Q. Do you work in the ASME QA organization at
4 Comanche Peak?

5 A. I do.

6 Q. Mr. Darby, have you reviewed the testimony
7 of Meddie Gregory regarding QES cover sheets?

8 A. Yes.

9 Q. Mr. Darby, do you recall the specific
10 incident about which Ms. Gregory testified?

11 A. No. I recall several times taking care of
12 QES cover sheets.

13 Q. Replacement QES cover sheets?

14 A. Yes, sir.

15 Q. Ms. Gregory's testimony was that you had
16 signed a replacement QES cover sheet several weeks
17 before she testified. Have you attempted to find
18 such a cover sheet?

19 A. Yes, sir. I checked all of our
20 transmittals to the permanent plants records vault
21 from the first of June to the week after Ms. Gregory
22 was laid off.

23 Q. Is there a log of such transmittals?

24 A. Yeah. It's a big old book that records
25 transmittal of all our flarge travelers to the vault.

1 I grabbed all the transmittals for that period and
2 pulled all the flange travelers from the vault.

3 Q. What did you find?

4 A. I found only one traveler with a cover
5 sheet that I had signed that was the type of
6 situation that Maddie Gregory is referring to.

7 Q. I'll show you this three-page document that
8 has been marked as Darby Exhibit 1 and ask you to
9 identify it.

10 A. This is a QES cover sheet and traveler that
11 I found in searching.

12 Q. Did you sign the cover sheet?

13 A. Yes, at the bottom next to, quote, QCI/date,
14 end quote.

15 Q. Did you prepare the cover sheet?

16 A. Yes.

17 Q. Is this the cover sheet about which Ms.
18 Gregory testified?

19 A. I don't know. I'm not sure what cover
20 sheet she was talking about.

21 Q. Why did you prepare this cover sheet, the
22 first page of Darby Exhibit 1?

23 A. In this case the traveler came back from
24 ANI without the QES cover sheet. We couldn't
25 transmit the traveler to the vault without the cover

1 sheet, which is an index of the contents of the
2 package.

3 Q. Please describe the traveler to which the
4 cover sheet relates.

5 A. This particular traveler is a flange
6 traveler.

7 Q. What is a flange?

8 A. A flange is a piece of hardware which, when
9 it's bolted up together, it's a flange connection.
10 It's used in piping.

11 Q. What does a traveler reflect?

12 A. The traveler shows where QC verifies what's
13 being joined together, has all their sign-offs for
14 alignments, cleanliness and bolting. A QC inspector
15 has to sign each inspection in connection with this
16 flange connection.

17 Q. You testified that you prepared the cover
18 sheet for this traveler after the sheet had been
19 returned from ANI. What is ANI?

20 A. The Authorized Nuclear Inspector.

21 Q. How did you know that this traveler had
22 been to ANI?

23 A. The ANI reviewer always signs or initials
24 the traveler. At the bottom of the first page of
25 this traveler are the initials J.S.H., dated 6/20/84.

1 Q. Who is J.S.H.?

2 A. John Harper of ANI.

3 Q. Mr. Darby, when you prepared and signed the
4 QES cover sheet, did you perform an independent
5 review of the traveler to verify that it was
6 acceptable?

7 A. A cursory review, yes.

8 Q. What did you verify?

9 A. I reviewed the traveler to make sure that
10 all the entries were legible, that all the
11 appropriate sign-offs had been made, and verified
12 traceability of items.

13 Q. Was your review and preparation of the
14 cover sheet consistent with procedures?

15 A. Yes, it was. CP-QAP-12.1 specifies that
16 travelers such as this undergo a detailed review.
17 Document review group had already performed such a
18 review of this traveler and all items on the
19 traveler had been verified by ANI. Basic reason I
20 prepared the cover sheet was to provide an index for
21 the vault. They wouldn't accept the traveler
22 without a cover sheet.

23 Q. How do you know that the document review
24 group had already performed its review?

25 A. For two reasons: ANI would not accept a

1 flange traveler or any other traveler package
 2 without a QES cover sheet. We have had numerous
 3 travelers and document packages returned to us by an
 4 ANI because the travelers had inadvertently gone
 5 over without cover sheets. Our procedures require
 6 us, when we send a traveler to ANI, to attach a QES
 7 cover sheet.

8 The second reason is this traveler went to
 9 ANI as part of a larger N-5 package. I reviewed the
 10 N-5 package before it went to ANI.

11 Q. Mr. Darby, I'll show you a document marked
 12 as Darby Exhibit 2 and ask if you can identify it.

13 A. Yes, sir. It's the N-5 checklist for
 14 isometric drawing CT-1-BB-015. If you look at the
 15 first page of the traveler, you'll see the same
 16 identifying number in box seven next to BRP.

17 Q. Does your signature appear on the N-5
 18 checklist?

19 A. Yes. My signature is in the upper lefthand
 20 corner.

21 Q. What does your signature represent?

22 A. It represents that the N-5 package, after
 23 it was prepared in draft form and after all reviews
 24 were complete, was sent in to my office for prior
 25 review prior to the N-5 being typed and sent to ANI.

1 Q. So you had already reviewed the N-5 package
2 once before it went to ANI; is that correct?

3 A. Yes.

4 Q. When you review an N-5 package, do you
5 check specifically to make sure that QES cover
6 sheets for any travelers in the package have been
7 filled out and are included with the traveler?

8 A. Yes, sir.

9 Q. What happened to the QES cover sheet that
10 accompanied this traveler originally?

11 A. I wish I knew. They sometimes get lost in
12 paper shuffle.

13 Q. Please refer to Exhibit 1. At the bottom
14 of the page appears the legends, quote, ANI/date,
15 end quote, on a space for the signature. Is that
16 space to indicate ANI review and approval of the
17 traveler?

18 A. It's supposed to be, but it's only an
19 option.

20 Q. Is ANI required to sign the cover sheet?

21 A. No. And usually they don't. They always
22 sign or initial the traveler or other document
23 itself, like they did this one.

24 Q. What would have happened if you had the new
25 QES cover sheet that you prepared with the traveler

1 back to ANI7

2 A. They would have sent it back. They already
3 reviewed the traveler. We had reviewed it, too.

4 Q. Mr. Darby, did you consult with Mr.
5 Bennetzen before preparing this QES cover sheet?

6 A. I don't believe that I did. This has
7 happened before. The first time or two that it did,
8 I talked with Greg and he reflected to me to prepare
9 a new index sheet so that we could send the traveler
10 to the permanent plant records vault.

11 Q. Did you consider his conversations with you
12 on the subject to be intimidating?

13 A. No way.

14 Q. Do you feel that he put pressure on you to
15 do something that you felt was wrong?

16 A. No, sir. As I have explained, I believe
17 preparation of the cover sheet is consistent with
18 procedures.

19 Q. Mr. Darby, did Meddie Gregory express any
20 concern to you about your preparation of these QES
21 cover sheets?

22 A. No, sir.

23 Q. Did she ever state to you that she believed
24 that your preparation of these cover sheets was
25 inconsistent with procedure?

1 A. No, sir.

2 Q. Did she ever express any concern at all to
3 you regarding these QES cover sheets?

4 A. Not besides the fact that we needed one.

5 Q. Does that conclude your testimony, Mr.
6 Darby?

7 A. Yes, sir.

8 MR. WATKINS: Applicant moves that
9 Darby Exhibits 1 and 2 be received in evidence.

10 (There being no further questions, the
11 deposition of Mr. Darby was concluded)

12

13

14

15

16

17

18

19

20

21

22

23

24

25

CORRECTIONS AND SIGNATURE

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

PAGE/LINE CORRECTION REASON FOR CHANGE

I, WILLIAM R. DARBY, have read the foregoing deposition, and hereby affix my signature that same is true and correct, except as noted herein.

_____ WILLIAM R. DARBY

SUBSCRIBED and sworn to before me this the _____ day of _____, 1984.

_____ NOTARY PUBLIC for the State of Texas

My Commission Expires: _____

1 STATE OF TEXAS)
2

3 I, Marigay Black, RFR, Certified Shorthand
4 Reporter in and for the State of Texas, do hereby
5 certify that there came before me on the 18th day of
6 August, A. D., 1984, at the Glen Rose Motor Inn,
7 Glen Rose, Texas, the following named person, to-wit:
8 William R. Darby, who was by me duly sworn to
9 testify the truth and nothing but the truth of his
10 knowledge touching and concerning the matters in
11 controversy in this cause; and that he was thereupon
12 examined upon his oath and his examination reduced
13 to writing; same to be sworn and subscribed to by
14 said witness before any notary public.
15

16 I further certify that I am neither attorney or
17 counsel for, nor related to or employed by, any of
18 the parties to the action in which this deposition
19 is taken, and further that I am not a relative or
20 employee of any attorney or counsel employed by the
21 parties hereto, or financially interested in the
22 action.
23

24 In witness whereof, I have hereunto set my hand
25 and affixed my seal this _____ day of August , A.D.,

1 1984.

2

3

MARIGAY BLACK, 351, RPR, CSR
IN AND FOR THE STATE OF TEXAS
1226 Commerce, Suite 411
Dallas, Texas 75202
(214) 742-3035

4

5

6

7 My commission expires December 31, 1985

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Package Iso. No. CI-1-58-015 Activity I.D. No. MP83-1151B-4800

FLG #2

No. of pages

Type Of Document

1. NA

Manufacturing Record Sheet (MRS)/MIL/SAVC/BOM

2. NA

Weld Data Card (WDC)/Multiple Weld Data Card (MWDC)/Vendor Supplied Component Mod. Record (VSCMR)

3. NA

Weld Filler Material Log (WFML)

4. NA

Non-Destructive Examination Report (NDER)

5. NA

Inspection Report (IR)

6. NA

Nonconformance Report (NCR)

7. NA

Vendor Documentation

8. NA

Repair Process Sheet (RPS)

9. 2

Operation Traveler (OT)

10. NA

Drawing(s)

11. NA

Material Requisition (MR)

12. NA

Miscellaneous (Describe below)

NA

NA

NA

NA

PERM. PLT. RECORD

RTN <u>3</u>	FILE LOG. <u>171.48</u>
FILE LOG.	<u>OT#</u>

The contents of this package, as listed above, have been verified in accordance with the requirements of CP-QAP-12.1, and are acceptable.

Total number of pages in package 2.

QCI/Date BBB 6/21/84

ANI/Date _____

FOR INFORMATION ONLY

ARMS INDEXED
JUL 06 1984

DEPOSITION EXHIBIT
Darby

CONSTRUCTION OPERATION TRAVELER 35-1195

1. TRAVELER NO. M2-83-1513-1800	2. EQUIP. NO. FLANGE NO. 2	3. UNIT NO. 1	4. QUANTITY 1	5. Page 1 of 2
6. ACTIVITY DESCRIPTION Bolting Nuclear Pipe Flanges		7. REFERENCE DRAWINGS BRP-CT-1-SB-015 R7		
8. SPEC./PROC./ENG. INSTR. CP-CPM-6.11 Rev. 40	9. LOCATION 781' EL	10. SYSTEM CONTAINMENT SPRAY		
PREPARED BY <u>Miguel Bunn</u>	DATE <u>11-14-83</u>	DEPT. <u>PRODUCTION CONTROL</u>		
REVIEWED BY <u>[Signature]</u>	DATE <u>10-18-83</u>	CLASS-2		
ANI REVIEW <u>J. C. Hair</u>	DATE <u>11-15-83</u>			

OP. NO.	DEPT.	OPERATION	CONST.	QA/QC	ANI
1.	QC(V)	Verify ANI review of Traveler prior to work being performed.		<i>[Signature]</i> 11/29/83	
2.	QC(V)	Verify and record Line, Spool, Equip., and Rm. No. 12" CT-1-007-15R-2, ITT 4, CPI-CTSRTS-03, Rm 51		<i>[Signature]</i> 11/29/83	
3.	QC(V)	Notify M/W Dept. to monitor coupling alignment. Ref. Trav. No./Alignment Record (If not applicable, Craft to mark "CONST." column NA and initial and date. # TRAV # 11583-1215-4810		<i>[Signature]</i> 11/29/83	
4.	QC(V)	Verify and record manufacturers' serial numbers of equipment/valves. CPI-CTARS-02 & Temp. STAINER # CPI-CTSRTS-03 Pump 5w 15210084		<i>[Signature]</i> 11/29/83	
5.	QC(W)	Assemble/Disassemble flange, record MR# of gasket and verify color code, record heat number or lot number of nuts and bolts/studs. (Note: For items 1" or less, record color code of nuts and bolts/studs.)		<i>[Signature]</i> 11/29/83	
6.	CG Pipe	Verify minimum thickness for plasite on face of flange (if not applicable, craft to mark "Const." column NA and initial and date).	N/A R Howell 11-29-83	<i>[Signature]</i> 11/29/83	
7.	Pipe QC(V)	Clean flange faces as required.		<i>[Signature]</i> 11-29-83	
8.	Pipe QC(V)	Check alignment of flanges. Note: Springing, bending, or localized heating to obtain alignment shall not be done without Eng. approval.		<i>[Signature]</i> 11-29-83	
9.	Pipe QC(V)	Install gasket and assemble joint with temporary bolts or permanent bolts (if available) making sure that at least one complete thread is exposed above nut face.		<i>[Signature]</i> 11-29-83	
10.	Pipe QC(V)	If temporary bolts are used, remove one at a time and replace with permanent bolts (at least one complete thread to be exposed above nut face). If temporary bolts are not used, craft to mark "Const." column NA and initial and date.	N/A R Howell 11-29-83	<i>[Signature]</i> 11/29/83	

FOR INFORMATION ONLY

TRAVELER NO.
MP 83-1151B-4000

ACTIVITY DESCRIPTION
BOLTING NUCLEAR PIPE FLANGES

PG 2 OF 2

PREPARED BY Angie Burns DATE 11-14-83

REVIEWED BY Ref MP 83 3063B-1000 DATE 12-18-83

ANI REVIEW SEE PAGE 1 DATE _____

OP.NO. DEPT. OPERATION CONST. QA/QC ANI

11. QC(V) Verify nuts, bolts/studs and gasket are recorded.

HEAT/LOT# COLOR CODE	NUT	BOLT OR STUD	GASKET	SIZE	MATERIAL TYPE/GR.	MR#	TOTAL
1235		✓		5/4 7/8 X 5/4	560	NA	12
1249	✓			7/8"	G	NA	24
			*	12"			2

J. Stamford
11/29/83

Gregory J. Mackay
12-2-83

12. QC(V) Verify Operation Procedures Items 1-11.

* Installed two Temp. Red Rubber gaskets.
* LATE ENTRY JB 4/84
J. Stamford
11/29/83

FOR INFORMATION ONLY

[Handwritten signature]

BRP NO. CT-5B-015 S/N CT-1-1377A

N-5 CHECKLIST

- Check for open NCR's
- Check for documents at QES
- Check for latest flange traveler and for s/n if applicable.
 MP82-1150B-4800 MP83-1151B-4800 MP83-1152B-4800
- Check line list for accuracy
- Check for Attachment 3
- Check for base metal repairs
- If BMR are present make sure that they are shown on ISO's in hydro pk.
- Make sure hydro is complete
- Make sure HITS printout matches BRHL and/or GHH
- Make sure weld attachments are shown on Hydro ISO in vault
- ^{see} If there are threaded connections shown on ISO, list threaded IR number
- Check welding engineering printout for outstanding documents
- Check data reports (NPV-1, N1, N1A etc.) for completeness and accuracy (sign-offs, pressure and temperature).

NEED ANI SIGN OFF - ~~FW14-1, FW14-2, FW22-1, FW22-2, MP83-1151B-4800, MP83-1152B-4800,~~
 HYDRO Test ICT-051

HYDRO Test # ICT-009A + ICT-051

VALVE	RIR's
ICT-028	03080
CT-166	10110
CT-172	10913
ICT-189	13630
ICT-193	10913
ICT-197	13630

COMPLETED BY *W. L. R. Duncan* ^{*Gratchell*} 6-11-84
 DATE

CPI-CTAPCS-02- RIR 10131

