

RELATIONSHIP EVIDENCE

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October 23 1984

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

OFFICE OF SECRETARY
DOCKETING & COMPLIANCE

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

10/23/84

In the Matter of)	
)	Docket Nos. 50-445 and
TEXAS UTILITIES ELECTRIC)	50-446
COMPANY, <u>et al.</u>)	
)	(Application for Operating
(Comanche Peak Steam Electric)	Licenses)
Station, Units 1 and 2))	

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APPLICANTS' RESPONSE TO BOARD
REQUEST FOR INFORMATION
REGARDING CINCHING DOWN U-BOLTS

On October 18, 1984, Judge Bloch telephoned Applicants requesting that they provide the raw data supporting Table 2 ("Observations of Torques in U-Bolts") in the affidavit of Robert C. Iotti and John C. Finneran, Jr. appended to Applicants' Motion for Summary Disposition of CASE's Allegations Regarding Cinching Down of U-Bolts (June 29, 1984). While Judge Bloch did not specify at that time a date by which such information should be supplied, in the October 18, 1984 Memorandum and Order documenting the call (mailed by the NRC on October 19 and received by Applicants on October 22), Judge Bloch directed Applicants to provide such information by October 23, 1984.

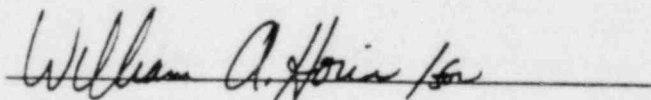
Applicants have been able to assemble such information in this short period and append it hereto. However, Applicants request that in the future, should there be some urgent need to provide information on an extremely expedited

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schedule, Applicants be given as much notice as possible and some explanation of the basis for the expedited schedule.*

Respectfully submitted,



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* With regard to instant requests for information, in that Applicants have yet to respond to CASE's answer on the issue of cinching down U-bolts, the urgency of the schedule established is unclear.

Building	Hanger Number	Pipe Size	Torque-Average (ft-lbs)
Reactor Building, Unit 2	HD-507-2	3/4	5
Reactor Building, Unit 2	HD-507-1	3/4	5
Reactor Building, Unit 2	HD-964-2	3/4	8.5
Reactor Building, Unit 2	HD-995-3-102	3/4	4
Safeguard, Unit 2	HD-548-1289	1	5.5
Reactor Building, Unit 2	HD-507-1	1	5
Reactor Building, Unit 2	HD-551-RB-2-71	2	17.5
Reactor Building, Unit 2	HD-551-RB-2-70	2	20
Reactor Building, Unit 2	HD-827-25K2	2	4.5
Reactor Building, Unit 2	HD-827-23K2	2	8
Reactor Building, Unit 2	HD-827-24K2	2	10
Reactor Building, Unit 2	HD-827-28K2	2	5
Reactor Building, Unit 2	HD-827-27K2	2	5
Reactor Building, Unit 2	HD-827-26K2	2	5
Reactor Building, Unit 2	HD-827-29K2	2	5.5
Reactor Building, Unit 2	HD-507-107-R2-2	2	4.5

Building	Hanger Number	Pipe Size	Torque-Average (ft-lbs)
Reactor Building, Unit 2	HD-507-121	2	5.5
Reactor Building, Unit 2	HD-507-108-RB-2	2	7.5
Reactor Building, Unit 2	HD-507-105	2	4.5
Reactor Building, Unit 2	HD-507-109-RB-2	2	5
Safeguard, Unit 2	CS2-202-402-S52R	3	22.5
Reactor Building, Unit 2	CS2-079-410-C42S	3	12.5
Reactor Building, Unit 2	CT2-053-444-C62K	3	12.5
Reactor Building, Unit 2	CT2-053-444-C62K	3	10.0
Safeguard, Unit 2	CS2-318-700-S53R	3	15
Safeguard, Unit 2	CS2-014-401-S52K	3	25
Safeguard, Unit 2	CS2-920-703-S53R	3	20
Reactor Building, Unit 2	DD2-046-404-C56R	3	9
Reactor Building, Unit 2	CC2-207-420-C53R	3	26.5
Reactor Building, Unit 2	CT2-053-402-C62S	3	25
Reactor Building, Unit 2	WP2-001-416-C46R	3	22
Reactor Building, Unit 2	WP2-001-426-C46R	3	30
Reactor Building, Unit 2	DD2-109-433-C43R	3	21.5

Building	Hanger Number	Pipe Size	Torque-Average (ft-lbs)
Reactor Building, Unit 2	WP2-030-422-C46R	3	30
Reactor Building, Unit 2	CS2-079-411-C42K	3	25
Reactor Building, Unit 2	CC2-190-401-C52R	4	25
Reactor Building, Unit 2	MS2-150-450-C52K	4	25
Safeguard, Unit 2	AF2-096-410-S3K	4	35
Safeguard, Unit 2	AF2-103-441-S5K	4	20
Safeguard, Unit 2	AF2-099-419-S3K	4	12.5
Safeguard, Unit 2	AF2-099-419-S3K	4	30
Reactor Building, Unit 2	SI2-306-425-C42K	4	33.5
Safeguard, Unit 2	AF2-102-423-S53S	4	23.5
Safeguard, Unit 2	AF2-102-422-S53K	4	52.5
Safeguard, Unit 2	BR2-018-415-S43R	4	50
Safeguard, Unit 2	BR2-018-417-S43K	4	33
Safeguard, Unit 2	CT2-021-405-S32K	4	44.5
Safeguard, Unit 2	WP2-226-428-S36R	4	35
Safeguard, Unit 2	WP2-226-414-S36R	4	22.5
Safeguard, Unit 2	WP2-226-439-S26R	4	21.5
Safeguard, Unit 2	WP2-226-407-S26R	4	40
Safeguard, Unit 2	SI2-044-431-S22R	4	28
Reactor Building, Unit 2	CC2-193-424-C52R	4	41.5

<u>Building</u>	<u>Hanger Number</u>	<u>Pipe Size</u>	<u>Torque-Average (ft-lbs)</u>
Reactor Building, Unit 2	CC2-193-423-C52R	4	15
Reactor Building, Unit 2	MS2-151-442-C52K	4	13.5
Reactor Building, Unit 2	MS2-151-419-C52R	4	40
Reactor Building, Unit 2	MS2-151-440-C52K	4	27.5
Reactor Building, Unit 2	MS2-151-411-C52R	4	7.5
Reactor Building, Unit 2	SI2-306-425-C42K	4	25.5
Reactor Building, Unit 2	SI2-306-423-C42R	4	60
Reactor Building, Unit 2	SI2-306-401-C42R	4	35
Reactor Building, Unit 2	SI2-306-421-C42R	4	22.5
Reactor Building, Unit 2	VD2-053-403-C46R	4	12.5
Reactor Building, Unit 2	SI2-306-402-C42R	4	27.5
Reactor Building, Unit 2	SI2-306-418-C42R	4	50
Safeguard, Unit 2	CT2-021-404-S32R	4	18.5
Safeguard, Unit 2	CS2-326-410-S56R	6	24.5
Safeguard, Unit 2	CS2-326-401-S56R	6	22
Safeguard, Unit 2	FP-790-9.35	6	42.5
Safeguard, Unit 2	FP-790-9.351	6	25

Building	Hanger Number	Pipe Size	Torque-Average (ft-lbs)
Safeguard, Unit 2	FP-790-9.352	6	25
Safeguard, Unit 2	FP-790-9.353	6	35
Safeguard, Unit 2	FP-790-9.354	6	20
Safeguard, Unit 2	FP-790-9.355	6	20
Safeguard, Unit 2	FP-790-1051	6	20
Safeguard, Unit 2	FP-790-1052	6	35
Safeguard, Unit 2	FP-790-1151	6	22.5
Safeguard, Unit 2	FP-790-1152	6	10
Reactor Building, Unit 2	CC2-246-419-C53R	6	10
Reactor Building, Unit 2	CC2-246-423-C53R	6	10
Reactor Building, Unit 2	SI2-171-401-C42R	6	52.5
Reactor Building, Unit 2	SI2-101-408-C41R	6	75
Safeguard, Unit 2	CS2-063-416-S22R	8	17.3
Safeguard, Unit 2	CS2-063-417-S22K	8	35.5
Safeguard, Unit 2	SI2-037-402-S22R	8	42.5
Safeguard, Unit 2	RH2-056-401-S22R	8	55
Safeguard, Unit 2	RH2-028-403-S32R	8	15
Safeguard, Unit 2	FP-810-125	8	57.5
Safeguard, Unit 2	FP-810-12.55	8	40
Safeguard, Unit 2	FP-810-1351	8	17.5
Safeguard, Unit 2	FP-810-1352	8	22.5

Building	Hanger Number	Pipe Size	Torque-Average (ft-lbs)
Safeguard, Unit 2	FP-810-14S	8	31
Safeguard, Unit 2	FP-810-11S	8	27.5
Safeguard, Unit 2	FP-810-10S	8	8
Safeguard, Unit 2	FP-810-9.5S	8	28
Safeguard, Unit 2	FP-810-9S	8	51.5
Reactor Building, Unit 2	SI2-087-406-C42R	8	40
Reactor Building, Unit 2	SI2-087-409-C42R	8	70
Reactor Building, Unit 2	SI2-087-405-C42R	8	55
Reactor Building, Unit 2	SI2-088-410-C42K	8	46
Turbine Building, Unit 2	HD-2-055-407-T45S	10	10
Turbine Building, Unit 2	HD-2-055-409-T45S	10	21.5
Safeguard, Unit 2	CT2-011-403-S22R	10	21
Safeguard, Unit 2	CT2-012-410-S22K	10	37.5
Safeguard, Unit 2	CT2-083-418-S36R	10	83
Safeguard, Unit 2	CT2-083-417-S36K	10	57
Safeguard, Unit 2	CT2-017-440-S36K	10	31
Reactor Building, Unit 2	SI2-010-403-C46S	10	20
Reactor Building, Unit 2	SI2-015-409-C42R	10	45
Reactor Building, Unit 2	SI2-103-403-C42R	10	37.5

Building	Hanger Number	Pipe Size	Torque-Average (ft-lbs)
Reactor Building, Unit 2	SI2-103-403-C42R	10	72.5
Safeguard, Unit 2	RH2-058-402-S22R	10	50
Safeguard, Unit 2	RH2-058-402-S22R	10	47.5
Safeguard, Unit 2	RH2-058-401-S22R	10	62.5
Turbine Building, Unit 2	HD2-318-404-T45S	12	48.5
Turbine Building, Unit 2	EX2-030-404-T45S	12	26
Turbine Building, Unit 2	CO2-042-439-T150	12	57.5
Turbine Building, Unit 2	CO2-042-438-T150	12	85
Turbine Building, Unit 2	HD2-318-401-T45S	12	65
Turbine Building, Unit 2	HD2-323-403-T45S	12	41
Safeguard, Unit 2	CC2-159-407-S53R	12	87
Reactor Building, Unit 2	RC2-115-430-C56R	12	40
Turbine Building, Unit 2	EX2-002-401-T45S	14	19.5
Turbine Building, Unit 2	MS2-098-402-T45S	14	95
Turbine Building, Unit 2	TW2-099-402-T35D	14	47.5
Turbine Building, Unit 2	EX2-004-401-T45S	14	57.5
Turbine Building, Unit 2	HD2-044-402-T35S	16	27.5

<u>Building</u>	<u>Hanger Number</u>	<u>Pipe Size</u>	<u>Torque-Average (ft-lbs)</u>
Turbine Building, Unit 2	HD2-045-405-T35S	16	125
Turbine Building, Unit 2	HD2-009-401-T35S	16	75
Turbine Building, Unit 2	VD2-072-402-T35D	16	112.5
Turbine Building, Unit 2	HD2-045-401-T15R	16	69
Turbine Building, Unit 2	HD2-044-406-T15R	16	69
Turbine Building Unit 2	HD2-044-405-T15R	16	72.5
Turbine Building Unit 2	HD2-314-401-T45S	16	72.5
Safeguard, Unit 2	CT2-013-414-S32K	16	126
Safeguard, Unit 2	CT2-013-418-S33R	16	67.5
Safeguard, Unit 2	SI2-076-404-S22K	16	25
Safeguard, Unit 2	CT2-025-405-S22K	16	85
Safeguard, Unit 2	CT2-025-405-S22K	16	95
Safeguard, Unit 2	CC2-031-406-S43K	18	117
Safeguard, Unit 2	CC2-068-407-S33K	18	57.5
Safeguard, Unit 2	CC2-068-402-S33S	18	35
Turbine Building, Unit 2	FW2-001-408-T45R	20	65
Turbine Building, Unit 2	FW2-001-408-T45R	20	108
Turbine Building, Unit 2	VD2-073-402-T35S	24	85

Building	Hanger Number	Pipe Size	Torque Average (ft-lbs)
Turbine Building, Unit 2	FW2-004-401-T35S	24	35
Turbine Building, Unit 2	FW2-004-402-T35S	24	34
Turbine Building, Unit 2	FW2-009-404-T35S	24	43.5
Turbine Building, Unit 2	HD2-068-401-T15S	24	67.5
Turbine Building, Unit 2	EX2-009-405-T45S	24	40
Turbine Building, Unit 2	CO2-032-403-T45D	24	30
Safeguard, Unit 2	CC2-028-412-S33R	24	62.5
Safeguard, Unit 2	CC2-028-412-S33R	24	65
Turbine Building, Unit 2	MS2-033-001-T44S	26	22
Turbine Building, Unit 2	HD2-016-405-T35R	30	112.5
Turbine Building, Unit 2	CO2-010-402-T45D	30	105
Turbine Building, Unit 2	HD2-016-404-T35R	30	89
Turbine Building, Unit 2	EX2-012-402-T45S	30	55
Turbine Building, Unit 2	VD2-071-402-T35D	40	61
Turbine Building,	VD2-070-403-T35D	40	82.5

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OFFICE OF SECRETARY
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BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)	
TEXAS UTILITIES ELECTRIC)	Docket Nos. 50-445 and
COMPANY, <u>et al.</u>)	50-446
(Comanche Peak Steam Electric)	(Application for
Station, Units 1 and 2))	Operating Licenses)

CERTIFICATE OF SERVICE

I hereby certify that copies of "Applicants' Response to Board Request for Information Regarding Cinching Down U-Bolts", in the above-captioned matter was served upon the following persons by express delivery (*), or deposit in the United States mail, first class, postage prepaid, this 23rd day of October, 1984, or by hand delivery (**) on the 24th day of October, 1984.

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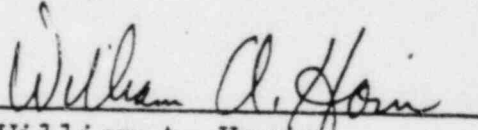
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