UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

7c

FEB 22 1985

Note to Files

[redacted] promised to call John Zudans collect on (301) 492-7903 at 1700 hours EST on February 20, 1985. I monitored this phone until 1800 hours EST and [redacted] never called.

Marvin Kline

M.E. Kline

8607030109 860623
PDR FOIA
GARDE86-A-18 PDR

FOIA-85-59

P14 P/14

FEB 1985

[redacted] MEETING W/TRT TC

2/19

J Zudans

[redacted] · won't come on 2/26

[redacted] · weekends

will call Wed. @ 5PM to Noonan's No.

[redacted] avail @ 6:15 2/26

@ AMFAC Hotel

Arrange Hotel and confirm [redacted]

M. Klein to arrange

Postpone until later

FOIA-85-56

P/13

2-20-85

J. Zudans
2[redacted]-8550

8:25 a.m.

[redacted] - will attend in person
Airport - Dallas - Ft Worth
Next Tues - 6:15 p.m.
Show - Main contributor
Vince Noonan 728 8100 general No.
arrange for Court Reporter - Susy Robson - Region IV
[redacted] - Boston - won't come down - will call
27903 Noonan-Westman 5 p.m. Collect
Should be here - NRC employee
Conference phone to Doyle - arrange for phone
[redacted] - can't get thru - in Room in Hotel in N.J.
were sending him

[redacted] CONCERNS 3-23-85 MEETING

65 Total Concerning stress analyses & Calculations

1. Stability (lacked) & Fixes 7c ~~NC~~

2. Loads on supports not accounted for

3. Hardware inadequately designed

4. Problems with Richmond inserts and stresses not analyzed correctly

5. Local stresses and effects not considered

6. U-bolts as 2 and 3 way loads and stresses not considered

7. Cinched down U-bolts overstressed and stresses not calculated

8. Loads on pipe affecting local stresses and stress load output

9. Building loads on support members not properly analyzed

10. Stiffness (actual) not analyzed properly (used generic or lower generic values)

11. Undersized welds permitted because of incorrect stress analyses

12. Crack propagation due to welds

13. High loads permitted (exist) on pipe lines with supports

14. Appendix XI not complied with

15. Calculations will not stand alone (75%) and many are incorrect (low) ~~ta~~ (not conservative)

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FOIA-85-

7c [redacted] CONCERNS

3/23/85 MTG.

① STABILITY

(a) BOX FRAME STR/SNUBB
(b) 'U' BOLT STR/SNUBB
⑤ (c) 'U' BOLT (2) STRUT AXIAL (TRAP)
(d) CLAMP (1) IPDN ECC TO ACTION
(e) STR FRAMES GANG HGR STRUT SPTL (CC-91-710 A63)

FIXES

(a) BRACKETS TO STOP STRUT SWING PRIOR TO BUMPERS
(b) CLIP ANGLE TO HOLD U BOLTS (BOX FR)
(c) LUGS (STOP AXIAL BUT NOT OTHERWISE)
⑦ (d) DOUBLE STRUT FOR BOX FR
(e) BUMPERS TO REPLACE STRUT STOPS
(f) SHIMS TO 'O' GAP (THERMAL CONST)
(g) CINCHING 'U' BOLTS

② LOADS ON SPT NOT ACCTED FOR

(a) SWE HARDWARE
(b) SWING ∠ OF STRUTS & SNUBBERS
(c) FRICTION (1/16")
(d) LOAD Δ FOR SNUBBERS/STRUTS (CC-008-019)
⑦ (e) ACTUAL SECTION PROP (1½ ⌀ HOLE FOR RICH)
(f) HANGING SUPPORTS OFF RICH BOLTS
~~(g) SHEAR DISTRIBUTION HEAT RICH IN BRG~~
(g) (h) SWE STRUCT. ANY DIRECT.
~~(h) (i) ME MOMENT (PT) TUBE STL RICHMOND~~
~~(i) (j) INCORRECT TORSIONAL COUPLING~~

③ HARDWARE

(a) DIFF LOCKUP OF SNUBBERS (CANS PART ~8 U.L.R.)
⑨ (b) CROSS BARS (NOT TUBES) FOR 'U' BOLTS (CC-008-006) 2500 SPAN / 3/4 X 3" OVR
(c) DOUBLE AXIAL RESTR (STR/SNUBBERS) LOAD DIST REL TO STIFF.
(d) THERMAL ROT Δy (RAD) LOAD REDISTRIBUTION

④ RICHMONDS

(a) EXCESS Δ (ALTERS STIFF SPT)
(b) BENDING IN BOLT
⑥ (c) BRG JOINT NOT ACCEPT FOR DYNAMICS
(d) SHEAR LOADS NOT BASED ON PROPER DIST/BRG JT
(e) M₂ MOM PRYING ACTION NOT CONSID
(f) INCORRECT PROCEED FOR COUPLING TORSION TO BOLT

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FOIA-85- P/18

⑤ LOCAL EFFECTS NOT CONSID. HYATT REGENCY K.C. 114)

(a) 16"Ø DIAPH FAILURE - CC-08-709 — FAIL OF CHP ✗
(b) TUBE WALL EXEX¼ FAILURE CC-116-025 — " OF COMPOSITE
(c) FAIL W6X12 CC-076-039 S33R
(d) FAIL PLATE/W UBOLT (SEE ABOVE) 3X5/4 15" SPAN 7600# LD OVER. T

(11) (e) TORSIONAL FAILURE SPT/ON COL. FOR CC-197-008

ADDITIONAL AREAS

(f) CALC OF RIGID 4/D US'CANT - SIMP SPT BY FLEX FORM.
(g) CLOSED ∠ < 60° GROOVE WELDS RATIO F/D 1→1.1 INTERN CRACKING
(h) CALC FOR PADS INTEG WITH PIPE
(i) CALC OF WAPPING MODE NOT CONSID - FLEX FORM. (FAILURE / IN SIDE 4
(j) PUNCHING SHEAR NOT ALLWAYS USED (APPL SAY WELD COMP)
(k) SHORT TUBES ON BASE ℄ LOAD PATH BENDING OF SIDE WALLS

⑥ 'U' BOLT AS 2 & 3 WAY

(a) CAN SEE 2 WAY LOADS
(3) (b) WITH 2 WAY LOADS FRICTION NEED TO BE ACCOUNTED FOR
(c) WITH 2 WAY " " & BINDING "

⑦ CINCHED DOWN 'U' BOLTS

(a) LOAD EXCEEDS MFG LDS ALLOW.
(3) (b) PULL THRU ON TUBES NOT CALC. (K.C. HYATT)
(c) ~~[illegible]~~

8. LOADS ON PIPE EFFECTING LOCAL STRESS & STR. LD OUTPUT

(a) ½ HARDWARE SNUB/STRUT - CLAMP ETC.
(b) STRUCT - U' BOLT & STRUCT , BOX BHS, WF ETC
(c) KICK LOADS ANGULAR STRUTS
(d) CINCHED UP 'U' BOLT EFFECTS
(e) BOX. FRAME CONSTRAINTS
(f) ANCHORS LOCKING THERMAL GROWTH
(g) EFFECTS OF TRUNNIONS /PAD OR NO

⑨ BUILDING LOADS ON SPT MEMBERS

(2) (a) WALL TO WALL, / WALL TO FL/CEILING ETC D.L. (BECOME BLDG COL)
(b) SEISMIC RESTRAINT

⑩ STIFFNESS

(1) (a) ACTUAL STIFFNESS V.S. GENERIC OR LOWER GENERIC

⑪ UNDERSIZE WELDS

(12) CRACK PROPAGATION

(a) WELDS THAT VIOL. BETA REQ ARE SUBJECT TO CRACK PR WITHOUT VOL. EXAM NEGLECTING AREA OUTSIDE (B) IS NOT ANS

(13) HIGH LOADS ON PIPE LUG WITH SPT

(1) BEARING PROBLEM FOR PIPE .77 R $t^{1/4}$ $b^{-1/2}$ $t^{-7/4}$ = CIRC ST.

(b) COLLAPSE CHECK OF LUG WALL DUE TO COMP & MOM LOAD

(14) APPENDIX XI

(a) THIS WAS POINTED OUT IN DEPOS BUT NEVER ANSWERED AP.

(15) CALC.

(a) CYGNA HAS FOUND ~78% OF CALCS DUE NOT STAND ALONE

(b) I HAVE FOUND MOST OF APPL CALCS ARE INCORRECT IN THERE FAVOR - U.L.P. - MOM REST & FACTORS, DIAPH, TORSIONAL ETC.

E Total

[redacted]

FILE

DENISE Now why don't we say what this is referring to. Can you first tell me, let's look at what newspaper this is.

[redacted] Alright. This is an article written by Bruce Milar, it's published on --

. CHECK Fort Worth Star Telegram.

[redacted] Tuesday morning, February 7, 1984

R. DENISE Fort Worth Star Telegram.

[redacted] And it reads as follows, "A group opposing the licensing of Comanche Peak nuclear power plant, Monday, criticized a proposal by plant owners to hire three outside consultants for an evaluation of pipe supports at the plant. Juanita Ellis, president of the Dallas based Citizens Association for Sound Energy, said she opposed selection of engineering consultant, Ebasco Services, Inc., of New York, and CYGNA Energy Services Company of San Francisco. She said both have a stake in the licensing of Comanche Peak. Ebasco is under contract to review quality control at the plant. Last fall utility officials hired CYGNA for a $500,000 technical evaluation of plant design standards. CASE witnesses, Jack Doyle and Mark Walsh, say that the CYGNA report is not an independent assessment and lacks sufficient engineering data. Walsh and Doyle are former engineers at Comanche Peak." Well I don't know anything about Walsh and Doyle, and I don't know anything about anything else, but I do know a little something about pipe support. And it bothered me, then I got to thinking, well what if they do them the

NANCY THORNLY
CHUCK SWENSON
WALLY

DEPOSITION

[redacted]

FOIA 95-59

P/21

[redacted]

[redacted]

feelings Between coatings craft and inspectors

- paint applied too thick on a weld.

- air supply system for painting

[redacted] tours steered by mgmt.
mgmt doesn't want to discuss problems.

Towson negative toward [redacted]

[redacted] negative toward [redacted]

painter certification - Traceability of material

CRAFT ~~took advantage of the fact that~~ ~~processors~~ pass stop point ~~on~~ ~~IR's~~ ~~since~~ IR's DID NOT STOP WORK.

[redacted]

feels like he was thrown into job without enough knowledge of area

painter qualifications - applicator certification

controversy over delegation of authority

QC document problem - incomplete documentation

ALLEGATION DISPOSITION								
NUMBER	CLOSED	MORE INFO	OI	QA	UTILITY ACTION	NEW ALLEGATIONS	NRC ACTION ITEMS	FEEDBACK LTR
							[redacted] DEPOSITION SENT TO OI on JAN 28, 1985	[redacted] NO
						ALLEGATIONS NOT DISCUSSED	INTIMIDATION / HARASSMENT	

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

A# 70

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ALLEGATION NUMBER	DISPOSITION: CLOSED	MORE INFO	OI	QA	UTILITY ACTION	NEW ALLEGATIONS	NRC ACTION ITEMS	FEEDBACK LTR
THE JANUARY 3, 1985 AND JANUARY 5, 1985 DEPOSITIONS OF [redacted] WERE REVIEWED BY THE RECORDS REVIEW GROUP TO DETERMINE WHAT ALLEGATIONS WERE DISCUSSED AND TO DETERMINE IF ANY NEW ALLEGATIONS APPEARED. THIS WAS COMPARED WITH THE [illegible] LIST OF ALLEGATIONS. NO FOLLOWUP ACTION IS RECOMMENDED EXCEPT TO SEND [redacted] A COPY OF THE SSER SUPP 9. SEE ATTACHED DATA SHEETS AND DOCUMENTS FOR DETAILS. [signature] 6-4-85						~~[illegible]~~ NONE	SEND SSER SUPPL 9 TO [illegible]	NONE

ALLEGATIONS NOT DISCUSSED	INTIMIDATION / HARASSMENT
	NONE

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[signature] 6-8-85

22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

DEPOSITION [redacted] JAN 3, 1985 [redacted]

	AQ NO.	A NO.	SOURCE	SUBJECT	DISCIPLINE QA QC	M	S	C	E	I	CTG	D R
	AQD-17		[redacted]	FORCED TO ALLOW WORK NOT TO PROCEDURES. INSPECTORS COULD NOT STOP WORK							✓	
	AQD-5 A1-2		[redacted]	QA INFO NOT ON FILE, BACKFIT INSPECTIONS STARTED							✓	
	AQD-29		[redacted]	Problems in CPSES coatings program							✓	
	AQD 43 + AQD 26		[redacted]	COATINGS INSPECTOR CERT AND TRAINING INADEQUATE.							✓	
	AQD-17		[redacted]	SEE AQD-17 above							✓	
	AQD-1		[redacted]	CPSES coating QC is inferior to ZIMMER							✓	

DEPOSITION JAN 5, 1985

[redacted] [redacted]

AQ NO.	A NO.	SOURCE	SUBJECT	DISCIPLINE QA QC	M	S	C	E	I	CTG	D R
AQ029	[redacted]	[redacted]	VARIETY OF PROBLEMS WITH CPSES COATINGS PROGRAM	✓						✓	
AQ37		[redacted]	SKIMMER PUMP ROOM FLOOR COATINGS	✓						✓	
AQ08 AQ09		[redacted]	IR'S USED NCR'S DISCOURAGED	✓						✓	
AQ08 AQ09		[redacted]	SEE ABOVE	✓						✓	
AQ17		[redacted]	FORCED TO ALLOW WORK ON PAINTING'S TO CONTINUE, WHEN NOT CONFORMING TO PROCEDURE	✓						✓	

7c

Comanche Peak Plant for Documents Concerning [redacted] As of 4-1-1985

A-64

1. NRC Inspection Report No. A4-83-005, by H. Brooks Griffin, dated 9-7-1983, Subject: Allegations Concerning Construction practices of Comanche Peak Steam Electric Station.
Attachment: Results of Interview with [redacted] on 9-1-1983.
(2 pages Total) (Ex. 6 and 7(d)).

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