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415 397-5600

October 11, 1984  
84042.031

Mrs. Juanita Ellis  
President, CASE  
1426 S. Polk  
Dallas, Texas 75224

Subject: Communications Report Transmittal #13  
Comanche Peak Steam Electric Station  
Independent Assessment Program - Phase 3  
Texas Utilities Generating Company  
Job. No. 84042

Dear Mrs. Ellis:

Enclosed please find communications reports associated with the Phase 3 Independent Assessment Program.

If you have any questions or desire to discuss any of these documents, please do not hesitate to call.

Very truly yours,

D. Oldag  
Administrative Assistant

Attachments

cc: Mr. D. Wade (TUGCO) w/attachments  
Mr. S. Treby (USNRC) w/attachments  
Ms. J. Van Amerongen (TUGCO/EBASCO) w/attachments  
Mr. D. Pigott (Orrick, Herrington & Sutcliffe) w/o attachments  
Mr. S. Burwell (USNRC) w/attachments

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PDR ADOCK 05000445  
A PDR

*2222 - see S. Burwell  
1/1 See Attached*



# Communications Report

Company:	Texas Utilities	<input type="checkbox"/> Telecon	<input checked="" type="checkbox"/> Conference Report
Project:	Comanche Peak Steam Electric Station Independent Assessment Program - Phase 3	Job No:	
Subject:		Date:	July 6, 1984
		Time:	11:20 a.m.
		Place:	84042
			San Francisco
Participants:		of	
	H. Mentel		G&H
	R. Iotti		Ebasco
	G. Bjorkman, N. Williams, L. Weingart		Cygna

Item	Comments	Required Action By
	<p><b>Subject: Mass Participation</b></p> <p>Gordon made the following comments to the Gibbs &amp; Hill June 29 letter regarding mass participation.</p> <ol style="list-style-type: none"> <li>Selected problem AB-1-23A appears to be only a portion of the problem being reevaluated for missing mass.           <p>Henry stated that the entire problem would be rerun. This would be true for all selected problems. There would be no changes from the previous geometry input.</p> <p>Henry explained the selection process in more detail.</p> <p>Each of the selected problems would exhibit one of the following attributes:</p> <ol style="list-style-type: none"> <li>low mass participation across the board</li> <li>low mass in one direction</li> <li>Selected problem with SAM</li> <li>Selected problem without SAM</li> </ol> </li> <li>If only seismic and SAM are run, how can load combinations be evaluated efficiently?</li> </ol>	



# Communications Report

Item	Comments	Required Action By
	<p>Henry stated that this would be done by hand due to the fact that there is uncertainty by G&amp;H as to whether the newer version of ADLPIPE would affect other load cases.</p> <p>3. Why were 41 problems deleted when mass fraction calculations could easily be corrected?</p> <p>Henry stated it was done solely as a matter of expediency (in these 41 cases the concentrated weights were in the execution decks).</p>	



# Communications Report

Company:	Texas Utilities	<input checked="" type="checkbox"/> Telecon	<input type="checkbox"/> Conference Report
Project:	Comanche Peak Steam Electric Station Independent Assessment Program - Phase 3	Job No:	84042
		Date:	7/2/84
Subject:	Pipe Support CC-1-028-024-S33R	Time:	7:00 a.m./8:00 a.m.
		Place:	S.F.
Participants:	G. Grace	of	TUEC
	J. Minichiello		Cygna

Item	Comments	Required Action By
	<p>In response to Cygna's question on this support, Texas had referenced the Affidavit of Messrs. Finneran, Iotti, and Deubler on Richmond Inserts. Cygna requested an explanation of the "maximum design capacity" shown in Table F-1, specifically column C. In addition, Cygna requested that Texas Utilities rerun the STRUDL model for this support with the bolt at joint 10 taken out. In the later telephone call, Mr. Grace stated that the torsion tests were performed by placing a shear load 7" above the concrete surface (i.e., 2" above the tube). Thus, the "maximum design capacity" is based on torsion (with 1.25" to point of tangency) + shear.</p> $\left( \frac{(MDC) \times 7}{\frac{1.25}{28.11}} \right)^2 + \left( \frac{MDC}{17.67} \right)^2 = 1$ <p style="text-align: center;">MDC = 4.828 kip</p> <p>As shown in Table F-1.</p> <p>For the shear test, the load was placed at the center of the tube.</p>	



# Communications Report

Company:	Texas Utilities	<input checked="" type="checkbox"/> Telecon	<input type="checkbox"/> Conference Report
Project:	Comanche Peak Steam Electric Station Independent Assessment Program - Phase 3	Job No:	84042
		Date:	6/22/84
Subject:	Cygnal Support Stability Evaluation Calculation Set No. E1	Time:	10:45 a.m.
		Place:	Boston/Washington
Participants:	Dr. Robert Iotti	of	Ebasco
	Dr. Gordon Bjorkman		Cygnal

Item	Comments	Required Action By
	<p>Dr. Iotti mentioned that the calculation only considered the static application of load and that there was no assurance that during the dynamic application of the load that the support would not remain stable.</p> <p>Dr. Bjorkman expressed his concern that the support could be in the constrained (cocked) position at the initiation of a seismic event and that lateral thermal movements alone were sufficient to cock the support into the constrained position.</p> <p>Dr. Iotti said that it was his impression that the lateral thermal movements were very small.</p> <p>Dr. Bjorkman indicated that Cygnal calculations showed a Z (lateral ?) movement of approximately 1 1/4" and an X (axial ?) movement of 0.0003".</p> <p>Both agreed that if this was indeed the situation, then the support apparently had not been designed to accommodate these deformations.</p> <p>Dr. Iotti said that he would check the deformation information at this support location and call when the information had been confirmed.</p>	

Signed: *N. H. Williams* /ms Page 1 of 1

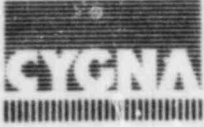
Distribution: N. Williams, D. Wade, G. Grace, G. Bjorkman, S. Treby, J. Ellis, S. Burwell,



# Communications Report

Company:	Texas Utilities	<input type="checkbox"/> Telecon	<input checked="" type="checkbox"/> Conference Report
Project:	Comanche Peak Steam Electric Station Independent Assessment Program - Phase 3	Job No:	84042
		Date:	6/15
Subject:	Pipe Support Question (5/24 Telecon, Item 18)	Time:	10:00
		Place:	Site
Participants:	D. Rencher	of	TUEC
	J. Minichiello		Cygna

Item	Comments	Required Action By
	<p>In reviewing the question on embedded plates, Cygna noted that the load distribution calculation is done quite conservatively (see CC-1-031-008-S33R). The designer has used the dimensions of the wide flange (~4 x 4) rather than the plate weld separation (~4 x 9) to determine the force couple. While no written procedure exists, Mr. Rencher stated that it was normal practice at CPSES to analyze the embed conservatively when determining the loads due to the moment.</p>	



# Communications Report

Company: Texas Utilities	<input type="checkbox"/> Telecon	<input checked="" type="checkbox"/> Conference Report
Project: Comanche Peak Steam Electric Station Independent Assessment Program - Phase 3	Job No. 84042	Date: 5/24/84
Subject: Inspection Reports	Time: 10:30 p.m.	Place: CPSES
Participants: T. Vega, M. Welch, D. Hicks, C. Welch	of TUSI	
S. Bibo, N. Williams, D. Smedley	Cygna	

Item	Comments	Required Action By
	<p>Cygna asked to meet with the above listed TUSI participants to discuss the use of Inspection Reports (IR) at CPSES.</p> <p>We asked what the basic difference is between an NCR and an IR.</p> <p>Tony Vega explained that basically NCR's get engineering review and IR's are cleared by a "use as is" or nonstandard repair, then engineering would issue a DCA/CMC. He stated that regardless of the document used, the bottom line was that any unsatisfactory condition dispositioned "use as is"/"or repair" must receive an engineering evaluation.</p> <p>Mr. Welch explained that if an attribute listed on an IR was determined to be unsatisfactory, the QC inspector would make a determination that the condition should be "reworked." Construction would then rework the item in accordance with the document they originally used to install/fabricate, or use an established standard repair/rework procedure. Once the item was corrected, QC would re-inspect using the attributes of the original IR, or a separate IR specifically generated to address the requirements of the standard repair/rework procedure.</p> <p>In addition, it was explained that construction had the option of going to engineering and asking for DCA/CMC to be issued to accept the unsatisfactory condition ("use-as-is"). QC would then be called to re-inspect the item. The DCA/CMC (issued by engineering) would serve as an engineering evaluation of the nonconformance with a disposition of "use as is."</p>	

Signed: N. Williams /jw Page 1 of 1

Distribution: N. Williams, D. Wade, G. Grace, D. Smedley, S. Bibo, S. Treby, J. Ellis, Project File

TO: DOCUMENT CONTROL

FROM: S. B. Burwell x27563

SUBJECT: Cygna Review (Phase 3) Comanche Peak

Attached is the following document:

October 11, 1984 - 84042.031  
Communications Report Transmittal #13  
Cygna (Oldag) to CASE (Ellis)

Please distribute as follows:

Reg File	LB*1/DL - S. B. Burwell (4)
NRC PDR	MEB/DE - D. Terao
LPDR	SGEB/DE - F. Rinaldi
NTIS	QJAB/IE - J. Spraul
NSIC	EGCB/IE - J. Fair
Region IV	OELD - S. Treby
Region IV: D. Hunnicutt	

Ltr  
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Encl  
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