

101 California Street, Suite 1000 San Francisco, CA 94111-5894

August 7, 1984 84056.017

Mr. J. B. George Project Manager Texas Utilities Generating Company Highway FM 201 Glen Rose, Texas 76043

Subject: Pipe Support Review Questions Comanche Peak Steam Electric Station Independent Assessment Program - Phase 4 Job No. 84056

References: (a) Cygna letter to TUGCO, 84056.013, "Pipe Support Review Questions," dated July 31, 1984.

> (b) Cygna letter to TUGCO, 84056.014, "Pipe Support Review Questions," dated August 6, 1984.

Dear Mr. George:

Attached please find two additional Phase 4 pipe support questions based on a review of the historical CMC's and DCA's for incorporation into the pipe support drawings. This letter, combined with references (a) and (b), constitutes a complete set of pipe support questions.

If you have any questions or require clarification prior to preparing a response don't hesitate to call.

Very truly yours,

n.A. Williams

N. H. Williams Project Manager

Attachments

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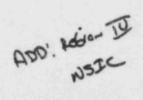
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cc: Mr. G. Grace (w/attachment)
Mr. D. Wade (w/attachment)
Mr. S. Burwell (w/attachment)
Mr. S. Treby (w/attachment)
Mrs. J. Ellis (w/attachment)

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ATTACHMENT A

PIPE SUPPORT QUESTIONS

1. Support drawing CC-2-050-002-A43R. Revision 3.

Similar to question 3 in Cygna letter 84056.014 dated 8/6/84, this is another example of missing dimensions. In this case, neither the drawing (section B-B on weld detail 1) nor the CMC (#50983, Rev. 6) show the location of pieces 12 and 1B. How was the quality control inspector able to determine the location of piece 12 in his inspection report?

- In reviewing the 64 pipe supports in Phase 4 Cygna noted four instances in which details on incorporated CMC's were not reflected in the support drawing:
 - a) Support drawing CC-1-050-001-A43S, Revisions 3-6.

Baseplate detail shown in CMC 8786, Rev. 1, section B-B, does not match details A or B of the above drawing revisions.

b) Support drawing CC-1-019-014-A473, Revisions 2-4.

The baseplate detail shown in CMC 36698, Rev. 0, section A-A, and the Item 4 plate size \bigcirc not match the baseplate detail, section A-A, and the size of the plate (item 4B), respectively, in the above drawing revisions.

c) Support drawing CC-2-050-702-A43K, Revisions 3-4.

The AH dimension shown in CMC 90041, Rev. 0, does not match that shown on the above drawing revisions.

d) Support drawing CC-1-019-012-A43K, Revision 4.

The all around fillet weld specified in CMC 88765, Rev. 1, does not match the weld shown in section B-B of the drawing; the weld in the drawing is structurally acceptable.

Since these design changes are noted as having been incorporated into the drawing, please explain the reasons for these discrepancies.