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August 21, 1984
84056.024

Mr. J. B. George
Project General Manager
Texas Utilities Generating Company
Comanche Peak Steam Electric Station
Highway FM 201
Glen Rose, Texas 76043

Subject: Electrical/I&C Review: Follow-Up Questions
Comanche Peak Steam Electric Station
Independent Assessment Program - Phase 4
Texas Utilities Generating Company
Job No. 84056

- References: (1) N. H. Williams (Cygna) letter to J. B. George (TUGCO),
"Mechanical and Electrical/I&C Review Questions," 84056.010,
dated July 30, 1984.
- (2) L. M. Popplewell (TUGCO) letter to N. H. Williams (Cygna),
"Cygna Review Questions," dated August 11, 1984.

Dear Mr. George:

Cygna submitted a set of Electrical/I&C review questions in Attachment B to Reference (1). TUGCO responded to these questions in Reference (2). We have reviewed the responses and found that in some cases further information and/or clarification is necessary. Attachment A to this letter contains these additional requests by reference to the original question number.

If you have any questions or require additional information, do not hesitate to call.

Very truly yours,

N. H. Williams

N. H. Williams
Project Manager

cc: Mr. D. Wade (TUGCO)
Ms. J. Van Amerongen (EBASCO/TUGCO)
Mr. R. Ballard (G&H)
Mr. S. Treby (USNRC)
Mr. S. Burwell (USNRC)
Ms. J. Ellis (CASE)

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ELECTRICAL/I&C QUESTIONS: FOLLOW-UP

1. In response to Cygna Question 1 regarding the temperature and pressure rating for radiation monitor RE-4509, Texas Utilities indicated DCA 15,441 Rev. 1 added temperature interlocks to trip the radiation monitor pump motor on high temperatures (above 120°F). Please elaborate on how tripping the radiation monitor pump motor will protect the radiation monitor from high temperature since it appears that system fluid will still flow through the unit due to the lack of automatic isolation valves. Also, what are the consequences of high temperature on the monitor's subsequent operability.
2. In reference to Cygna Question 2, please provide supporting documentation for pressure transmitter PT-4520's maximum design temperature. Also, please provide documentation as to why 135°F was specified for PT-4520 in the procurement specification 2323-MS-611A rather than 199°F.
3. As described in Cygna Question 3, the existing pull card for cable E0107008 is correct. Revision 326 of the raceway schedule does not identify C13009421 for cable E0107008's routing between MCC 1EB3-1 and raceway segment T130SCA50. Please clarify why a new route card is required when the existing pull card does contain conduit C13009421. Please provide a copy of DCA 10,606 and an explanation as to how the inadvertently changed conduit end point resulted in conduit C13009421 not being in the routing for cable E0107008 on revision 326 of the raceway schedule.
4. Referring to Cygna Question 4, please provide the Cable Ampacity Calculations for Cables in Cable Trays for the following cable tray segments: T110AAA08, T110SAA20 (cable E0100001), T120SBC32, T120SBC30, T120SBC28 (E0100555)

Also, please provide the following Cable Ampacity Calculations for Cables in Conduits for conduit C-11003395 (cable E0100001).

5. Referring to Cygna Question 6, please provide documentation supporting the fact that thermal lag fire protection has been completed on raceway section T130ACA43 and that covers have been installed on raceway section T13GCCM98 since July 20, 1984.