



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

PDR - 016

NOV 28 1984

Ms. Billie P. Garde
Citizens Clinic Director
Government Accountability Project
1901 Que Street, NW
Washington, DC 20009

IN RESPONSE REFER
TO FOIA-84-777

Dear Ms. Garde:

This is in response to your letter dated October 1, 1984, in which you requested, pursuant to the Freedom of Information Act (FOIA), information available to the Division of Licensing which led to the supplement safety evaluation report regarding the acceptability of wire splices at Comanche Peak detailed in the September 14 letter from B. J. Youngblood to M. D. Spence.

The documents listed on the enclosed Appendix A are being placed in the NRC Public Document Room (PDR), located at 1717 H Street, NW, Washington, DC 20555, in FOIA file folder 84-777 in your name.

The documents listed on the enclosed Appendix B are already in the PDR. The PDR Accession Numbers are indicated beside the document descriptions.

Sincerely,

A handwritten signature in black ink, appearing to read "J. M. Felton", written over a printed name and title.

J. M. Felton, Director
Division of Rules and Records
Office of Administration

Enclosures: As stated

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PDR FOIA PDR
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APPENDIX A

Documents Being Placed in the PDR

1. 7/25/84 Memo from B.J. Youngblood to M. Srinivasan, re: Comanche Peak FSAR Amendment 44, Clarification on IEEE 420-1973
2. 7/27/84 Texas Utilities Services, Inc. conference memorandum from D.R. Woodlan to O.Chopra, re: Comanche Peak Steam Generating Station, Cable Splices - Initial Inquiry
3. 7/27/84 Texas Utilities Services conference memorandum from D.R. Woodlan to O. Chopra re: Comanche Peak Generating Station Cable Splices - Response to PSB Questions
4. 7/30/84 Memo from M. Srinivasan to B.J. Youngblood re: Response to 7/25/84 memo
5. Undated Comanche Peak Steam Electric Station Design Change Authorization

APPENDIX B

DOCUMENTS ALREADY IN THE PDR

1. 8/24/84 IE Inspection Report on Comanche Peak Steam Electric Station, Units 1 and 2. Accession No. 8310040223
2. 10/10/83 Memo from J. S. Marshall to S. B. Burnwell re: FSAR Amendment 44 Description. Accession No. 8410180184

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TEXAS UTILITIES SERVICES INC.

Log # TCO-549
File # 908.3

CONFERENCE MEMORANDUM

DATE July 27, 1983
TIME 7:30 a.m.

RECORDED BY: *D. R. Woodlan*
D. R. Woodlan

ORIGINATED BY:
D. R. Woodlan

RECEIVED BY:
Om Chopra
Power Systems Branch
NRR

SUBJECT COMANCHE PEAK STEAM ELECTRIC STATION
CABLE SPLICES - INITIAL INQUIRY

SUMMARY The guidance of Reg. Guide 1.75 (Rev. 1 - 1/75) recommends that splices not be used in raceways. CPSES follows that recommendation. However, there have been several field cables that, after providing the specified cable supports, came up short (maybe 2 feet). The options to correct the problem are to pull a new cable or splice an extension on the cable to provide the required length.

The splices would be butt splice with the same crimp/materials as used at the terminal lugs. The splices would be located in the panels and would not be in the raceways. The splices would not be supporting any significant length of cable (2 or 3 feet on either side with normal in panel type ties).

This would probably not be in conflict with the guidance of Reg. Guide 1.75 and is not discussed specifically in the FSAR. (The FSAR presently says that splices are not used in raceways).

To avoid any future problems, I'm calling to find out if Om foresees any problems with using these splices and how best to adequately document it in the FSAR.

Om's initial response was that these splices would constitute an exception to R.G. 1.75. We discussed this possibility since the (cont.)

FOLLOW-UP ACTION _____

DISTRIBUTION LMP, JSM, DRW, Om Chopra, SBB

reg. guide ~~only~~ addresses raceways specifically and these splices are in panels. Om said he wanted to consider this point further.

Om had two questions. (1) What panels are involved? (2) Are redundant cables located in these panels?

I told Om that I would get a response to these questions as quickly as I could.

I had previously discussed this problem with S. Burwell and we had agreed that Om, the CPSES reviewer for PSB, was my correct contact on the staff for this issue.

CONFERENCE MEMORANDUM

File # 908.3

DATE July 27, 1983RECORDED BY: *D. R. Woodlan*TIME 8:45 a.m.D. R. Woodlan

ORIGINATED BY:

RECEIVED BY:

D. R. WoodlanOm ChopraPower Systems Branch (PSB)NRRSUBJECT COMANCHE PEAK STEAM ELECTRIC STATIONCABLE SPLICESRESPONSE TO PSB QUESTIONSSUMMARY I provided the following responses to Om's questions:

(1) The panels that have been identified as a concern with respect to this issue are relay racks and termination racks. In general, the termination racks are used only to terminate field cables and the only equipment in the panels are the cables and the associated terminations. The relay racks are BOP racks. In general, these racks contain cables, relays and termination points.

(2) None of the identified panels have redundant safety trains. There are situations where a single train and some non-safety related cables are in the same panel - with the required separation.

Om said that based on this preliminary information, these splices seem acceptable. This is an unusual case and we need to submit a write-up before he can give final approval. The writeup should show that the splices do not degrade the other cables in the panel. The primary concern, of course, is heat. I replied that there should be no problem since we are dealing with nothing more powerful than 120 volt control cables. Om agreed.

Om was not sure if we should submit our writeup in the FSAR or by letter and recommended that I consult with Burwell. I said I would.

FOLLOW-UP ACTION _____

DISTRIBUTION LMP, JSM, DRW, Om Chopra, SBB

C

CEMANCHE PEAK STEAM ELECTRIC STATION
DESIGN CHANGE AUTHORIZATION

(WILL) (WILL NOT) BE INCORPORATED IN DESIGN DOCUMENT

DCA NO. 19,264 Rev. 2

- 1. SAFETY RELATED DOCUMENT: YES NO
- 2. ORIGINATOR: CPE ORIGINAL DESIGNER _____
- 3. DESCRIPTION:

A. APPLICABLE SPEC/DWG/DOCUMENT: 2323-EL-0159 REV. 18

B. DETAILS THIS REVISION VOIDS AND SUPERSEDES DCA 19,264 REV. 1.

PROBLEM: After retraining of cables in 1-UR-14, Elect./Control Bldg. EL. 830'-0" several cables are too short to be terminated.

SOLUTION: Splice conductors of cables listed on sheet 2 of this DCA with same color and size wire using Amp connector # 32980, per drawing 2323-EL-1701.

REV. 1: Add conductor to be spliced as indicated on sheet 2 of this DCA.

REV. 2: Add conductor of cable to be spliced as indicated on sheet 2 of this DCA.

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85-1193
RECEIVED

4. SUPPORTING DOCUMENTATION:

DEC 16 1983

DOCUMENT CONTROL

5. APPROVAL SIGNATURES: TSB/006

12/24/83

A. ORIGINATOR: T.S. Stewart

DATE 12-14-83

B. DESIGN REPRESENTATIVE: [Signature]

DATE 12-14-83

C. DESIGN REVIEW PRIOR TO ISSUE: [Signature]

DATE 12-15-83

6. SAFETY RELATED CHANGE NO YES: P.O. NUMBER _____

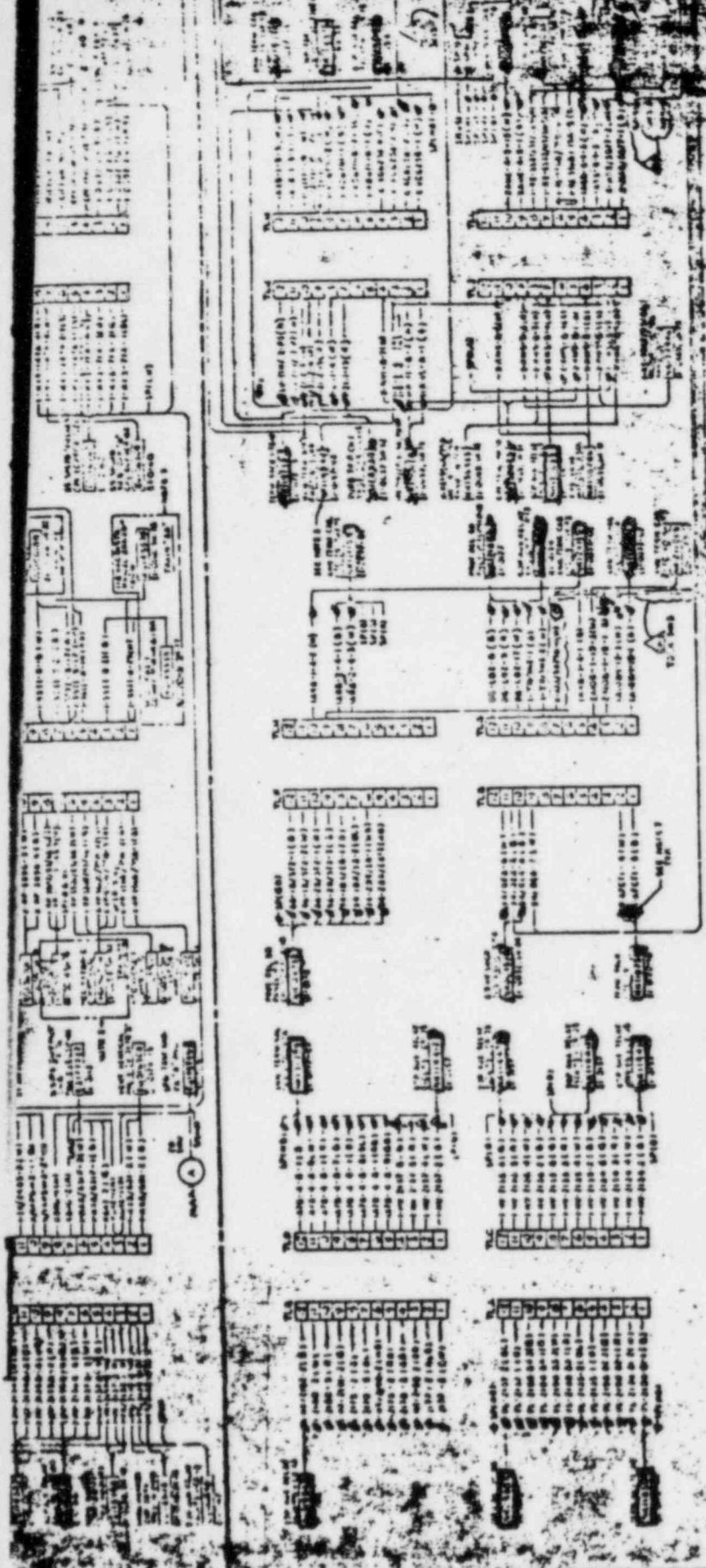
7. SPECIAL CONSIDERATIONS:

- (1) AS (INTERNAL) Mark Welch CA (1)
- (1) SAFETY & ENGINEERING Steve Gray EFS (1)
- (1) LIVE PLANT DESIGN P.F. Joyce EE (1)

DCA FORM 5 83

H.Li
X-29452

ENG

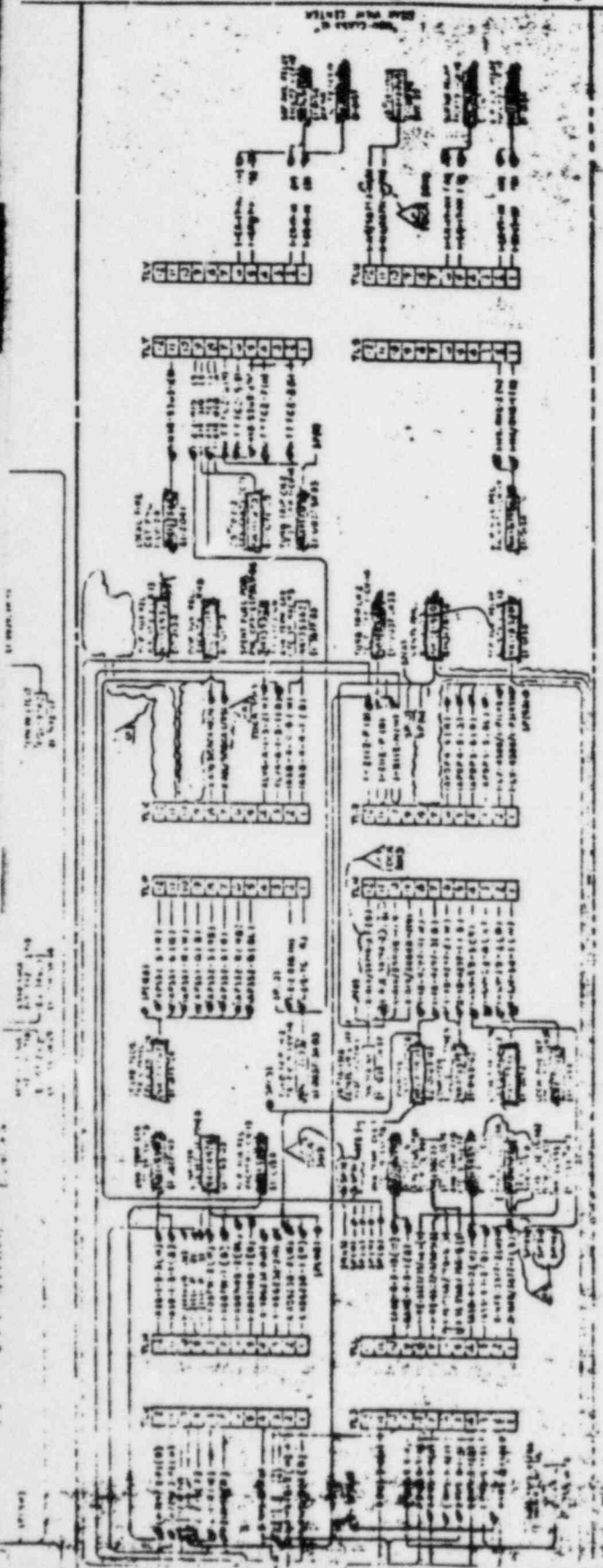


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- NOTES:
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
 2. ALL DIMENSIONS ARE TO BE TAKEN FROM THE CENTER OF THE PISTON PIN TO THE CENTER OF THE VALVE STEM.
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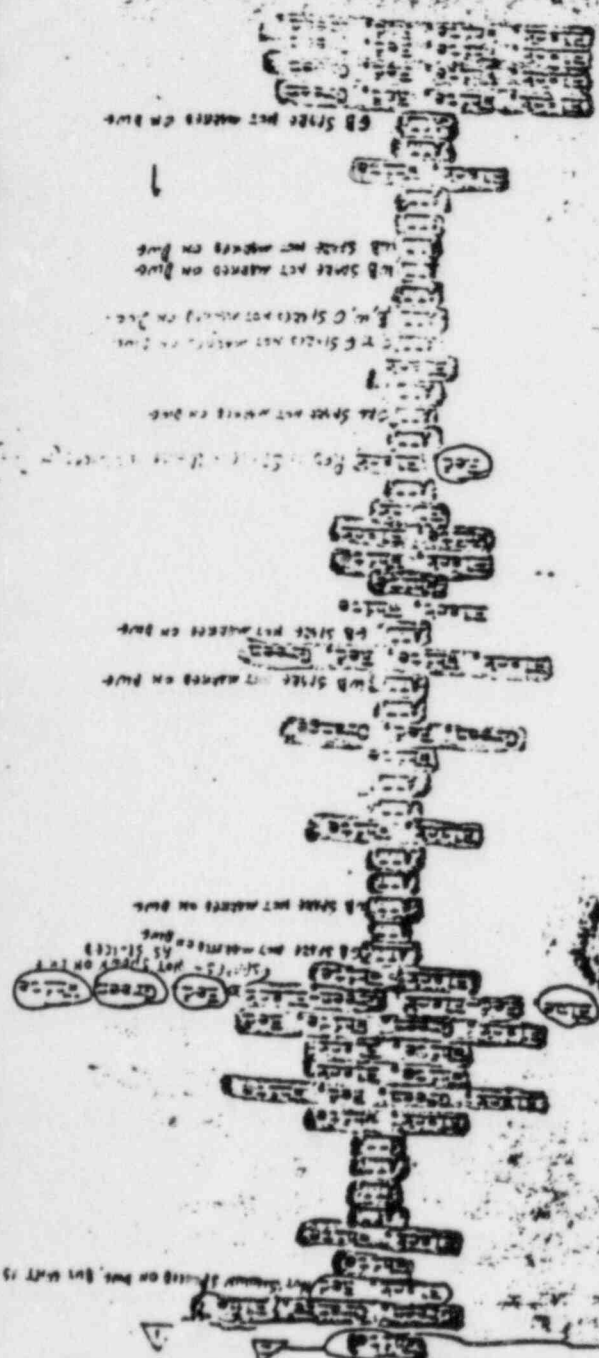
CLASS I
 600V AC
 3-Phase 4-Wire
 480V AC
 3-Phase 4-Wire
 240V AC
 3-Phase 4-Wire
 120V AC
 3-Phase 4-Wire

TEXAS UTILITIES
GENERATING CO.
 52111

TOP AUXILIARY RELAY RACK'S
 C-11-EGPCCR-1A
 EXTERNAL CONNECTION DIAGRAM
 E-23-01-018

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