

SNUPPS

Standardized Nuclear Unit  
Power Plant System

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Rockville, Maryland 20850  
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Nicholas A. Petrick  
Executive Director

May 29, 1985

SLNRC 85- 0017 FILE: 0278  
SUBJ: Power Systems Branch Review-  
Regulatory Guide 1.63, Posi-  
tion 1

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Docket Nos. STN 50-482 and STN 50-483

Reference: SLNRC 84-0010, dated 1/31/84: Same subject

Dear Mr. Denton:

The reference letter submitted representative time-current curves applicable to the thermal capability, versus protection device capabilities, for containment electrical penetration assemblies at the SNUPPS facilities, Callaway Plant, Unit No. 1 and Wolf Creek Generating Station, Unit No. 1.

Based on concerns identified at another facility, the SNUPPS Lead Architect Engineer, Bechtel Power Corporation, performed a reevaluation of the SNUPPS design against the provisions of Regulatory Guide 1.63. Based on the results of that reevaluation, an additional time-current curve was developed and an existing time-current curve was modified. The new and modified curves are enclosed for NRC staff review. The calculation methodology used in the development of the enclosed curves is identical to that summarized in the reference letter.

Very truly yours,

*N. A. Petrick*

Nicholas A. Petrick

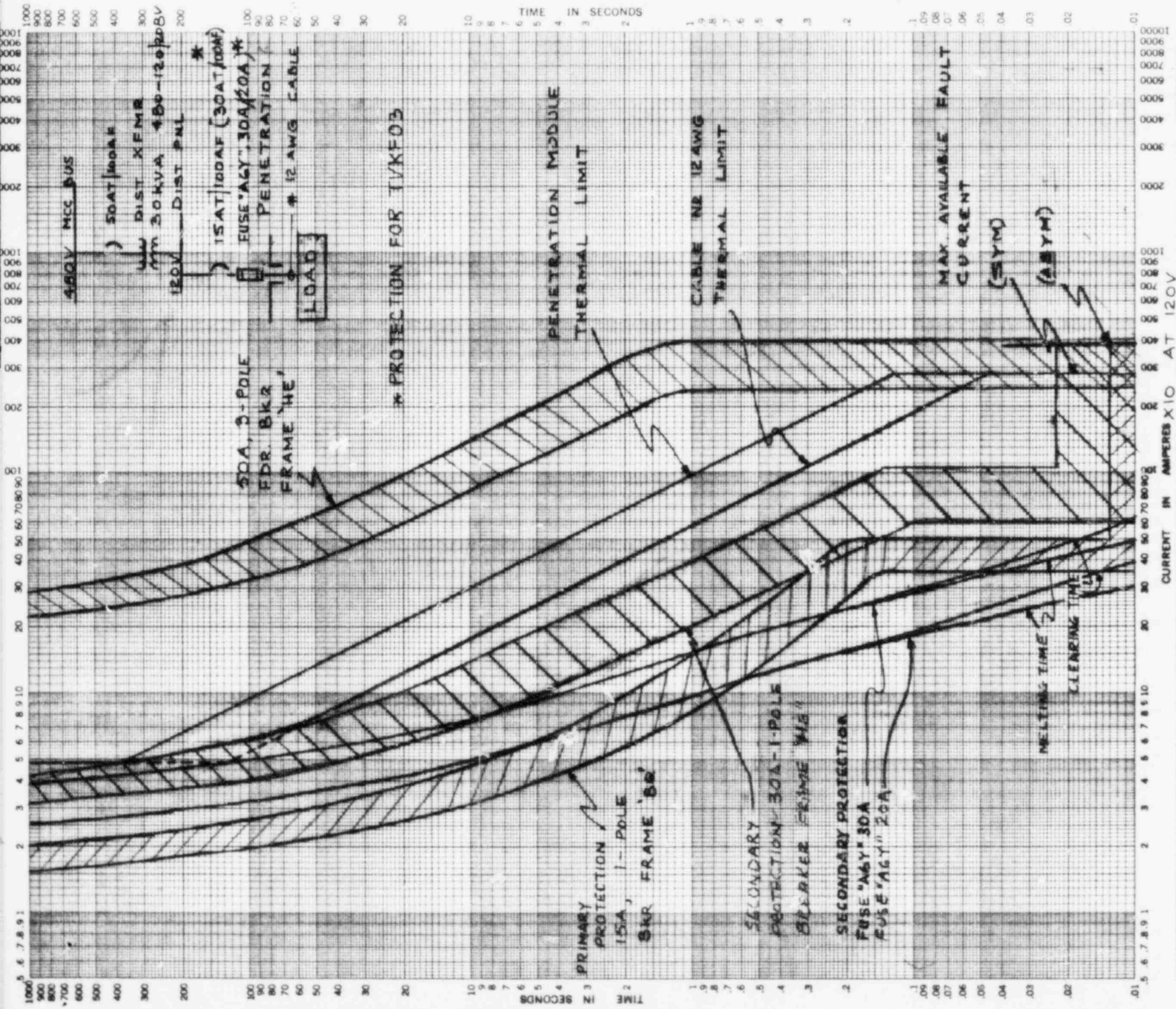
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MHF/mjd  
Enclosure

cc: J. M. Evans KCPL  
G. L. Koester KGE  
D. F. Schnell UE  
D. R. Hunter USNRC/RIV

B. Little USNRC/CAL  
H. Bundy USNRC/WC  
G. C. Wright USNRC/RIII

B021  
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KSE-224, 225, 234, RNE-276 278, 283, 171/1703 TIME-CURRENT CHARACTERISTIC CURVES

For EPA WITH #12AWG CABLE Fuse Links In

BASIS FOR DATA Standards

1. Tests made at Volts e-c at
2. Curves are plotted to p-f, starting at 25C with no initial load

Test points as variations should be

SAUUPS - 10466

CALC No. A-6 REV A4  
Date 2-1-1962 SKA

KSE TIME-CURRENT CHARACTERISTIC

NEUFEL & ESSER CO. MADE IN U.S.A.

48 5258 SUB: THERMAL CAPABILITY OF EPA

Vs PROTECTION.

2-1-8

ORIGINATOR S K Ahyg

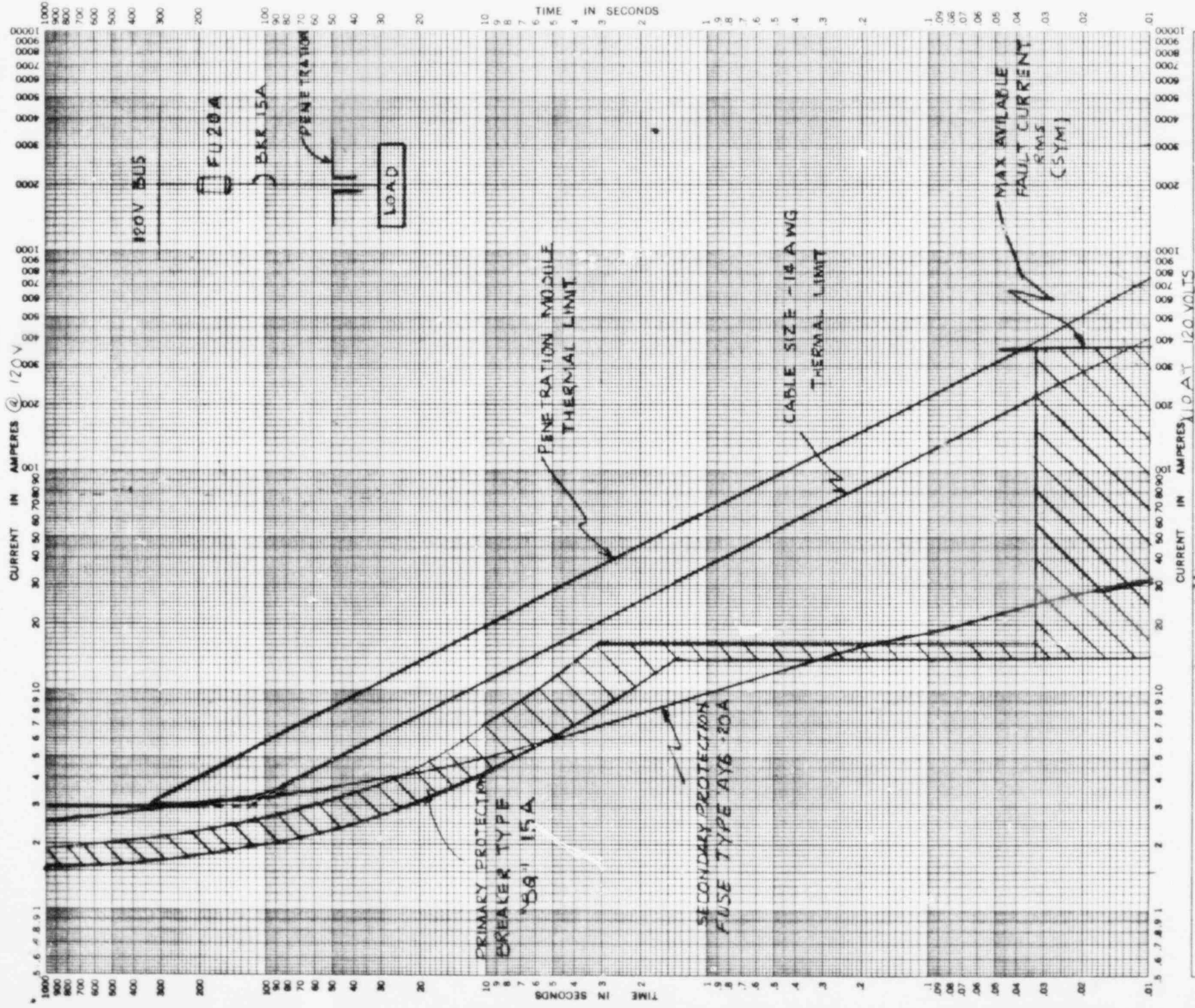
CHECKED DW Don DT 2-23-8

REVISION 0 K Schoultz 6.17.8

CHECKED DW Don DT 10/15/82

REV 4 DW Don 1/15/85

CHKD S K Ahyg 1/10/85



For ZSE 215, ZSE 216, ZSE 217, ZSE 222, ZSE 223, ZSE 224, ZSE 233, ZSE 234, ZSE 240, ZNE 296, ZNE 297, ZNE 298, ZNE 299, ZNE 300, ZNE 301, ZNE 302, ZNE 303, ZNE 304, ZNE 305, ZNE 306, ZNE 307, ZNE 308, ZNE 309, ZNE 310, ZNE 311, ZNE 312, ZNE 313, ZNE 314, ZNE 315, ZNE 316, ZNE 317, ZNE 318, ZNE 319, ZNE 320, ZNE 321, ZNE 322, ZNE 323, ZNE 324, ZNE 325, ZNE 326, ZNE 327, ZNE 328, ZNE 329, ZNE 330, ZNE 331, ZNE 332, ZNE 333, ZNE 334, ZNE 335, ZNE 336, ZNE 337, ZNE 338, ZNE 339, ZNE 340, ZNE 341, ZNE 342, ZNE 343, ZNE 344, ZNE 345, ZNE 346, ZNE 347, ZNE 348, ZNE 349, ZNE 350, ZNE 351, ZNE 352, ZNE 353, ZNE 354, ZNE 355, ZNE 356, ZNE 357, ZNE 358, ZNE 359, ZNE 360, ZNE 361, ZNE 362, ZNE 363, ZNE 364, ZNE 365, ZNE 366, ZNE 367, ZNE 368, ZNE 369, ZNE 370, ZNE 371, ZNE 372, ZNE 373, ZNE 374, ZNE 375, ZNE 376, ZNE 377, ZNE 378, ZNE 379, ZNE 380, ZNE 381, ZNE 382, ZNE 383, ZNE 384, ZNE 385, ZNE 386, ZNE 387, ZNE 388, ZNE 389, ZNE 390, ZNE 391, ZNE 392, ZNE 393, ZNE 394, ZNE 395, ZNE 396, ZNE 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SNUPPS-10466

Calc A-6-REV 5  
Date 4-15-85 CAP  
SHEET-41

1. Tests made at \_\_\_\_\_ Volts & C at \_\_\_\_\_ p.f., starting at 25C with no initial load  
2. Curves are plotted to \_\_\_\_\_ Test points & variations should be \_\_\_\_\_