

SNUPPS

Standardized Nuclear Unit  
Power Plant System

5 Choke Cherry Road  
Rockville, Maryland 20850  
(301) 869-8010

May 10, 1984

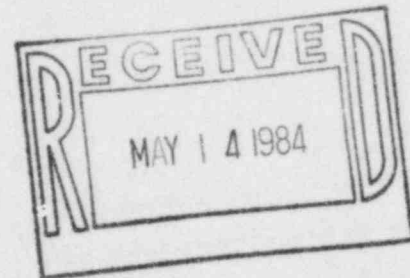
SLNRC 84-079

FILE: 0491.10.2

SUBJ: Supplemental Significant Deficiency  
Report (SDR 84-02): Field Run Cables  
for Solenoid Valves

Mr. James G. Keppler  
Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Mr. John T. Collins  
Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
Suite 1000, Parkway Central Plaza  
Arlington, Texas 76012



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

Reference: SLNRC 84-065, dtd. 4/13/84: Final Significant Deficiency  
Report (SDR 84-02)

Gentlemen:

The reference letter provided a description of a generic deficiency relating to improperly rated field run cabling used to connect Valcor supplied solenoid valves in Class 1E and non-1E applications. As indicated in the reference, design changes have been implemented to replace the field run cabling with high temperature cabling qualified for the environment experienced in these solenoid valves. Field rework to affect the prescribed changes is currently underway at each SNUPPS job-site and will be completed within the time frame initially specified.

The reference letter report also indicated that other equipment would be examined for excessive heat rise at field termination locations and that a determination would be made whether deficiencies exist similar to those observed with the Valcor valve connections. The scope of the followup investigation included items of potential high heat rise such as diesel generator auxiliary equipment, hydrogen recombiners, selected pump motors, packaged air conditioning units, solenoid valves (other than Valcor) and certain electrically operated components and equipment furnished by the NSSS supplier. As a result of this investigation, similar deficiencies were identified for the following equipment:

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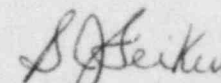
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- 1) Target Rock Solenoids: A total of 20 Target Rock solenoids furnished under the NSSS scope of supply for use generically in safety-related systems have deficiencies similar to those described in the reference letter. Actions are presently underway to rework these units, replacing existing field cabling with qualified, high temperature wiring/connectors. All rework will be completed at each jobsite prior to the time that these valves are required for their operational modes.
- 2) ASCO Solenoids: Two (2) ASCO solenoid valves on each of 12 condenser dump valves (nonsafety-related) have been identified as having under-rated cabling connections (105°C max vs. 90°C available). The existing installation was reviewed for service at the higher; i.e. 105°C (Max), temperature and the conclusion reached that, as a minimum, continued service would be permissible at each SNUPPS plant up to the first refueling outage. Cables for the solenoids will be replaced on a schedule commensurate with each plant's maintenance and operational requirements.

In addition, one (1) ASCO solenoid valve on each of two (2) nonsafety-related Control Room HVAC heating/cooling water control valves will also require rework at each SNUPPS plant. Cables for these units will likewise be replaced on a schedule commensurate with each plant's maintenance and operational requirements.

This supplemental report closes out all items relating to the generic deficiency initially reported on behalf of the SNUPPS Utilities and should be considered the final report on this subject. If you have any questions regarding this matter, please do not hesitate to contact the undersigned.

Very truly yours,



S. J. Seiken  
QA Manager

SJS/dck/5a5

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|-------------------|-------------|
| cc: D. F. Schnell | UE          |
| G. L. Koester     | KGE         |
| D. T. McPhee      | KCPL        |
| W. S. Schum       | NRC/WC      |
| J. H. Neisler     | NRC/CAL     |
| B. H. Little      | NRC/CAL     |
| R. C. DeYoung     | NRC/IE: HQ  |
| J. E. Konklin     | NRC/IE: III |
| Record            |             |