



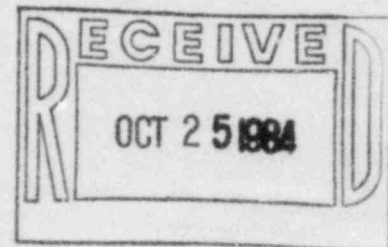
GULF STATES UTILITIES COMPANY

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October 19, 1984
RBG-19246
File Nos. G9.5, G9.25.1.1

Mr. Robert D. Martin, Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV, Office of Inspection and Enforcement
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



Dear Mr. Martin:

River Bend Station Unit 1
Docket No. 50-458
Interim Report/DR-216

On September 19, 1984, GSU notified Region IV by telephone that it had determined DR-216 to be reportable under 10CFR50.55(e). This deficiency concerns electrical penetrations supplied by Conax Corporation. The attachment to this letter is GSU's 30 day report pursuant to 10CFR50.55(e)(3).

An interim or final status report will be provided by November 21, 1984.

Sincerely,

William J. Lead
for J. E. Booker
Manager-Engineering,
Nuclear Fuels & Licensing
River Bend Nuclear Group

JEM PJD/ip

cc: Director of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC Resident Inspector-Site

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ATTACHMENT

October 19, 1984
RBC-19246

DR-216 Electrical Penetrations
Supplied by Conax Corporation

Description of the Problem

The problem concerns the shorting of shield conductors at the penetration pigtail on electrical penetrations supplied by Conax Corporation. Nonconformance and Disposition (N&D) Report No. 6609 documented the test results of penetration 1RCP*LV106A which indicated that feedthrough 20, conductor 9 was shorted to ground. Additionally, nicks were found in adjacent pigtail conductors on two penetrations (1RCP*NMS10, 1RCP*LVC20A).

In view of the above, a sampling inspection was subsequently conducted in accordance with Engineering and Design Coordination Report (E&DCR) No. C-25,074A. The results of the sampling inspection of 200 conductors with Kapton insulation show 14 conductors having nicks on their insulation. The full extent of the problem has not yet been determined.

Safety Implication

Penetration 1RCP*LV106A is used as the shield for circuit ADSNBX401 of the safety-related automatic depressurization system (ADS). The shield on this circuit is required to be grounded at the PGCC only. An accidental grounding of the shield at the penetration would cause a multiple ground on the shield, and electrical noise could be induced in the signal wires. This may cause spurious operation of the ADS system. (The considered circuit connects level transmitter B21-N095A to trip unit B21-N695A located in the PGCC).

Penetrations 1RCP*NMS10 (feedthrough 27) and 1RCP*LVC20A (feedthrough 14, conductors 13 and 20) have not been used to date. As these circuits are reserved for the Reactor Protection System and the Neutron Monitoring System circuits, it must be conservatively assumed that these could have been used at a later date for a circuit essential for the safe operation of the plant.

Corrective Action

The conductors identified in E&DCR C-25,074A mentioned above are to be appropriately repaired. Additional investigations, in accordance with N&D 7272, of other penetrations are continuing to determine the full extent of the problem. An update on this will be provided as noted in the transmittal letter.