



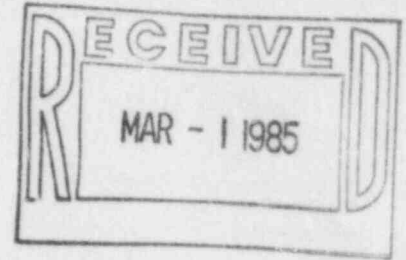
GULF STATES UTILITIES COMPANY

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February 22, 1985
RBG-20228
File Nos. G9.5, G9.25.1.1

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



Dear Mr. Martin:

River Bend Station Unit 1
Docket No. 50-458
Interim Report/DR-217

On January 23, 1985, GSU notified Region IV by telephone that it had conservatively determined DR-217 concerning bolting material (SA-193, Grade B6 stud, heat number 5837D) supplied by Cardinal Industrial Products Corporation to be reportable under 10CFR50.55(e). The attachment to this letter is GSU's 30-day written report pursuant to 10CFR50.55(e)(3) with regard to this deficiency.

An interim or final status report will be provided by March 28, 1985.

Sincerely,

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

^{BEH}
JEB/PJD/lp

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

NRC Resident Inspector-Site

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ATTACHMENT

February 22, 1985
RBG-20228

DR-217/Bolting Material Supplied by Cardinal Industrial Products Incorporated

Background and Description of the Problem

The deficiency concerns 3/4-10x4" bolting material (SA-193, Grade B6 A/T studs, heat number 5837D, Mark K11) purchased by Stone and Webster Engineering Corporation (SWEC) from Cardinal Industrial Products Incorporated through HUB, Inc. as identified by Nonconformance and Disposition Report (N&D) No. 7383.

Because of problems discovered and documented in Vendor Inspection Report No. 999000840/83-01 an audit was performed of the documentation furnished with bolting material supplied to the River Bend jobsite by Cardinal Industrial Products. This audit was performed at Cardinal's facility and included documentation furnished with the bolting material and all backup documentation maintained in Cardinal's files. It was discovered that SA-193, Grade B6 heat number 5837D stainless steel bolting was furnished to the River Bend jobsite with a tensile strength of 85,000 psi versus the material specification requirement of 110,000 psi and a yield strength of 51,000 psi versus the material specification requirement of 85,000 psi. This condition resulted from improper heat treatment in that the material was annealed rather than quenched and tempered. This condition resulted in the issuance of N&D No. 7383.

The nonconforming materials resulted from a failure on the part of Cardinal to properly implement its quality assurance program. In addition, the review by SWEC of Certified Material Test Reports (CMTRs) to determine compliance with the material specification did not detect the lower tensile strength of some of the bolting material. This represents a discrepancy in the SWEC quality assurance program to detect deviations which should be detected during review. However, this discrepancy was determined to be an isolated case based on a 100% review of the other CMTRs for materials supplied to SWEC by Cardinal.

Safety Implication

It had been conservatively assumed that had any of the bolting material identified in N&D 7383 been installed, the safe operations of the plant could have been adversely affected due to failure of the studs in safety related application. However, investigation results thus far indicates that none of the subject bolting material has been installed by SWEC in Category I applications.

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Corrective Action

In accordance with the disposition of N&D No. 7383, bolting in heat number 5873D that was not installed is to be returned to seller. The investigation is continuing to determine whether any of the bolting material identified in N&D No. 7383 has been installed in Category I applications.