TEXAS ENGINEERING EXPERIMENT STATION



THE TEXAS A&M UNIVERSITY SYSTEM COLLEGE STATION, TEXAS 77843-3575

10 July 1986



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NUCLEAR SCIENCE CENTER 409/845-7551

Mr. Eric Johnson Office of Inspection and Enforcement U.S. Nuclear Regulatory Commission 611 Ryan Plaza Drive, Suite 1000 Arlington, Texas 76012

Reference: Reportable Occurrence of 8 July 1986 Reactor Safety System Component Malfunction

Dear Mr. Johnson:

On Tuesday, 8 July 1986 at 2326, a manual scram was performed for the purpose of reactor shutdown. The Reactor Operator and Senior Reactor Operator noted that no rod down indication was received for the transient rod until the carriage was driven in. On Wednesday, 9 July, it was noted during the pre-startup checks that raising the transient rod carriage without applying air caused the rod to raise also. A scram time check was then performed on the transient rod which produced a time in excess of the allowable. The Manager of Operations was notified of these results and reactor operations for the day were cancelled and repairs to the transient rod drive were commenced.

The failure of the transient rod to scram was a malfunction of a reactor safety system component and as such is a reportable occurrence under Technical Specification 1.29(b). The reactor has not been operated since the malfunction was discovered. It should also be noted that all other safety rods did scram and the reactor did shut down on the 8 July manual scram and that a shutdown by manual scram was also performed on the previous night at which time the transient rod did successfully scram. Repairs to the system are still underway at this time.

Respectfully submitted,

- 2 Kind

John L. Krohn, Manager Reactor Operations

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