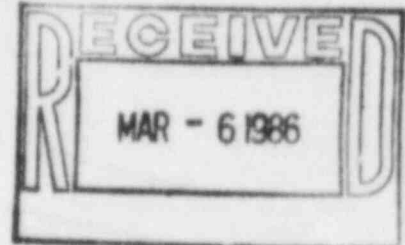




**GULF STATES UTILITIES COMPANY**

March 1, 1986  
RBG-24,000  
File Nos. G9.5, G9.25.1.4

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



Dear Mr. Martin:

River Bend Station - Unit 1  
Docket No. 50-458

Please find attached a summary report of the "Notification of Unusual Event (NOUE)" which occurred at River Bend Station on March 1, 1986. The "NOUE" was declared based on Emergency Action Level (EAL) initiating condition "ECCS initiation and injection into the reactor vessel." This summary report is submitted pursuant to Appendix 1 of NUREG-0654 (Revision 1) and EAL Table (Table 13.3-1) of the River Bend Station Emergency Plan. A Licensee Event Report will be submitted by March 31, 1986, pursuant to 10CFR50.73. If you have any questions concerning this summary report, please contact Mr. Eddie R. Grant, telephone number (504) 635-6995.

Sincerely,

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

<sup>JEH</sup>  
JEB/BEH/ks

Attachment

cc: See Enclosure

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ENCLOSURE

cc:

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## ATTACHMENT

### Summary of Event

On 3/1/86 at approximately 0650 with the unit at thirty-nine percent power and 950 psig, a Division III Emergency Core Cooling System (ECCS) initiation and injection occurred.

The event was initiated at 0648 when transformer 1NJS-X2F faulted on all three phases. This fault caused a low voltage transient on switchgear 1NPS-SWG1B which resulted in a trip of recirculation pump B and feed water pump 1B, the only feed pump running at the time. Upon loss of feed water pump 1B, reactor water level dropped to the low Level 3 scram setpoint causing a reactor scram. At approximately 0650 the Reactor Core Isolation Cooling (RCIC) system was manually started just as the reactor vessel low Level 2 setpoint was reached. Reaching the Level 2 setpoint resulted in a recirculation pump A trip, all Level 2 isolations, and an auto start of the Division III emergency diesel generator and High Pressure Core Spray (HPCS) system. At this time it was noted that the HPCS pump was operating but the fact that the injection valve had opened was overlooked.

With RCIC and HPCS injecting, vessel level increased to the high level setpoint (Level 8) which caused a RCIC turbine trip and HPCS injection valve closure at 0653. Reactor water level was stabilized with reactor pressure at 590 psig. At 0656 the main steam isolation valves were closed to limit the reactor cooldown rate.

### Investigation

After operating personnel had stabilized plant conditions, an investigation was initiated to determine the cause of the event. At 1022 a plot of HPCS pump discharge flow and other plant parameters was taken from the Emergency Response Information System (ERIS). At this time it was noted that HPCS had injected into the vessel for approximately three minutes. At the time of the discovery of the HPCS injection the transient had been terminated and plant conditions were stable. It was therefore decided not to declare a "Notification of Unusual Event (NOUE)". After discussion with upper management the decision was made to notify the appropriate parties of the terminated event.

Notifications of the declaration and subsequent termination of the "NOUE" to the States of Louisiana and Mississippi, the five local governments within the 10 mile EPZ, and the NRC Incident Response Center, was completed by 1155 via the state and local hotline and the Emergency Notification System (ENS). This event had no impact on the public health and safety. No onsite or offsite protective action recommendations were required of the River Bend Station Emergency Director/Shift Supervisor.

Cause of Event

Investigation into the root cause of the event is ongoing. Once the cause has been identified, corrective action will be taken. This information will be provided in the Licensee Event Report due within thirty days.