NRC Form 389 (9-83)	LICENSEE EVE	NT REPORT (LER)	U.\$	NUCLEAR REGULATORY COMMINENON APTROVED ONE NO. 3150-0106 EXPIRES \$31.95
PACILITY NAME (1)			DOCKET NUM	ALA (2)
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NAME	LICENSEE CONTACT	FOR THIS LER ITE		
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Liz Thompson - Nuclear				4 6 3 5 - 6 0 9
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At 1605 on 02/0 documented that non-se	5/86 with the ismically quali akage Control	fied tubing System (PV	20 percent was inst LCS). Th	t power, it was talled in the he tubing was

At 1605 on 02/05/86 with the unit at 20 percent power, it was documented that non-seismically qualified tubing was installed in the Penetration Valve Leakage Control System (PVLCS). The tubing was installed to bypass solenoid operated valves that were not needed for the skid mounted design configuration of the PVLCS compressors. The root cause of the condition was determined to be a procedural deficiency. Immediate action was taken to declare both divisions of PVLCS inoperable and initiate a plant shutdown per Technical Specifications 3.6.1.10 and 3.0.3. The tubing was promptly removed and the procedure revised to correct the deficiency. Acceptable alternate designs were installed on both divisions by 0815 on 02/06/86. There was no effect on the public health and safety.

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LICENSEE EVENT	REPORT (LER)	TEXT CONTINUATION
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NUCLEAR REGULATORY COMMISSION

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE (3)
		FEAR SEQUENTIAL REVISION NUMBER NUMBER	
River Bend Station	0 15 10 0 0 4 5 8	8 6 - 0 11 17 - 0 10	012 00 014

Reported Condition

RC Form 366A

On 02/04/86 at approximately 1500 with the unit at 20 percent power, a design system engineer performed a post-installation design walkdown of Emergency Modification Request (MRE) 86-0001 on the Penetration Valve Leakage Control System (PVLCS). The modification was performed in order to bypass with tubing solenoid operated valves that were not needed for the skid mounted design configuration of the PVLCS compressors. It was observed during the walkdown that the tubing installed under the subject MRE which was prepared on 02/02/86 at approximately 1800 may not have been seismically qualified. A review of the MRE and discussions with the engineers involved confirmed this observation.

Investigation

A subsequent engineering review of the MRE and the PVLCS design bases defined in the Safety Analysis Report revealed that the tubing should have been designed to Seismic Category I requirements. The root cause of the event was found to be a procedural deficiency relating to the MRE process. The MRE, as a mechanism for approving design changes, was established on 01/31/86 via Interim Procedure Change 3-006-2-3 to Design Control Procedure NPE-3-006, Revision 2. The subject MRE was the first one to be processed under the new procedure change. Approval of an MRE required the engineers to use engineering judgement to determine if a change was acceptable. Under the existing procedure at the time, a full evaluation would be LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

US NUCLEAR REGULATORY COMMISSION APPROVED OMB NU 3150-0104

EXPIRES 8/31 85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE
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River Bend Station	0 5 0 0 0 4 5 8	8 6 -0 1 7 -0	0 0 3 0 0 4
Completed within 30 days.	In addition, n	no documented U	Inreviewed
Safety Question Determination	(USQD) was requi	ired by the	procedure
prior to installation of the	modification. I	Based on these	procedure
deficiencies, the engineers, ac	ting within the	ne direction	of their
procedures, approved the MRE.			

There was only one other MRE approved using the same design review process, MRE 86-0002. That MRE was reviewed and found to be an acceptable design change as documented under Modification Request (MR) 86-0196.

Corrective Action

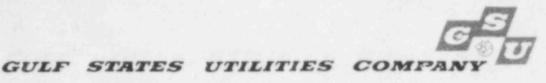
AC Form 386A

Both divisions of PVLCS were declared inoperable at 1605 on 02/05/86 and a plant shutdown initiated per Technical Specification 3.6.1.10 and 3.0.3. MR 86-0203 was issued on 02/05/86 to install an acceptable alternate design. The design change on one division was completed on 02/05/86 at 2155 placing the unit in a seven day limiting condition for operation (LCO) instead of a shutdown. The other division was completed on 02/06/86 at 0815 cancelling the LCO. On 02/06/86, the Director of Nuclear Plant Engineering issued memorandum NuPE-86-202 to all Design System Engineers directing them to perform a documented USQD on all MREs prior to work. The Design Control Procedure NPE-3-006 was revised on 02/21/86 via Interim Procedure Change 3-006-2-4 to require performance of a USQD prior to design approval.

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River Bend Station	0	5	10	0	0	1	4] 3	51	8	8	6	_	0	1	7 -	-0	í.	0	94	OF	0

Safety Consequences

The capability of the tubing to withstand a design basis seismic event is unknown, it can be postulated that the safety function of the affected air charging copability of the PVLCS may have been adversely affected. No actual safety consequences resulted from the condition reported here and the health and safety of the public was not endangered.



RIVER BEND STATION POST OFFICE BOX 220 ST FRANCISVILLE. LOUISIANA 70775 AREA CODE 504 635-6094 346-8651

> March 6, 1986 RBG-23305 File Nos. G9.5, G9.25.1.3

U.S. Nuclear Regulatory Commission Document Control Desk Washington, D. C. 20555

Dear Sir:

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

Please find enclosed Licensee Event Report No. 86-017 for River Bend Station - Unit 1. This report is submitted pursuant to 10CFR50.73.

Sincerely,

Eddie R Grant

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

FE2L

JEB/TFP/DRG/BEH/ebm

cc: U.S. Nuclear Regulatory Commission 611 Ryan Plaza Drive, Suite 1000 Arlington, TX 76011

> INPO Records Center 1100 Circle 75 Parkway Atlanta, GA 30339-3064