NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/88

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
River Bend Station, Unit 1	0 5 0 0 0 4 5 8	1 OF 0 2

TITLE (4)
RWCU Isolation

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)
1 1	1 7	8 5	8 5	0 3 9	0 0	1 2	1 7	8 5		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	POWER LEVEL (10)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
2	0 0 1	20.402(b)	20.405(c)	X 50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Samuel I. Shirey, Senior System Engineer	AREA CODE 5 0 4 — 3 4 1 - 4 6 0 3

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	

SUPPLEMENTAL REPORT EXPECTED (14)

		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

At 2145 and 2148 on 11/17/85 with the unit in operational condition 2 at 30 MWT, the Reactor Water Cleanup (RWCU) System isolated due to unstable high differential flow readings. The condition immediately cleared both times and RWCU was restored to service.

Cause of the isolations was water flashing at the blowdown flow element (G33*FEN011).

There was no impact on the health and safety of the public.

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(9-83)

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
River Bend Station, Unit 1	0 5 0 0 0 4 5 8	8 5	— 0 3 9	— 0 0	0 2 OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

At 2145 and 2148 on 11/17/85 with the unit in operational condition 2 at 30 MWT, the Reactor Water Cleanup System (RWCU) (IEEE:CE) isolated due to unstable high differential flow readings. The condition immediately cleared both times and RWCU was restored to service.

Investigation shows that due to system design of the blowdown flow orifice (G33*FEN011) being on the condenser side of the pressure/flow control valve (G33*PCVF033) flashing can result at the flow element. This problem is mainly evident when condenser vacuum is established and was previously reported in LERs 85-024 and 85-030.

Corrective action to prevent recurrence consisted of recalibrating the high differential flow control loop under General Electric's guidance for cold conditions. This gave a greater margin between normal operating conditions and the 55 gpm differential flow trip point. A modification request (MR 85-1037) has been written to correct the flashing problem itself. This will require actual hardware modifications. Once the RWCU flashing problem is corrected a supplemental response will be provided in conjunction with LER 85-024 which first reported the problem.

Continued operation will not impact the health and safety of the public.

GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 220 ST. FRANCISVILLE, LOUISIANA 70775

AREA CODE 504 635-6094 346-8651

December 17, 1985
RBG-22852
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. 85-039 for River Bend Station - Unit 1. This report is submitted pursuant to 10CFR50.73.

Sincerely,

J. E. Booker

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

JEB/TFP/PDG/BEH/ebm

cc: U.S. Nuclear Regulatory Commission
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