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	0 5 0 0 0 4 5 8	1 OF 0 4

TITLE (4)

PENETRATIONS WITH INADEQUATE FIRE BARRIERS

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)
0 5	0 1	8 6	8 6	— 0 3 6 —	0 0	0 6	0 2	8 6		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
3	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0 0 0	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)	X 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
E.R. GRANT - SUPERVISOR NUCLEAR LICENSING	AREA CODE 5 0 4 6 3 5 - 6 0 9 4

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)

On 5/1/86 at 1500 with the unit in operational condition 3 (hot shutdown) Condition Report CR 86-0539 was initiated indicating thirty one (31) "one shot" internal conduit seals were improperly located. Fire watches were installed within all Category I buildings as required by Technical Specification 3/4.7.7. In order to determine the problem scope, a walkdown was initiated of all "one shot" conduit seals on 5/9/86. This effort is continuing with over 200 non complying seals being identified. All conduit seals found in non-compliance with existing fire test are being repaired by installing a second seal on the opposite side of the penetration.

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

REPORTED CONDITION

On 5/1/86 at 1500 with the unit in operational condition 3 (hot shutdown) Condition Report CR 86-0539 was initiated indicating thirty one (31) internal conduit seals were improperly located. Because the internal conduit seal is an integral part of the fire seal system, the improper location of the internal conduit seal would render the seal potentially inoperable. Technical Specification 3/4.7.7 requires fire seals to be operable at all times.

EVALUATION AND INITIAL CORRECTIVE ACTION

These conduit seals were discovered during a site walkdown of fire penetration seals. The seals were not installed per the configurations fire tested by the installation contractor B&B/Promatec (B&B). These seals were installed such that the conduit seal was not completely contained within the penetration seals (see attached sketch). The three types of conditions shown on the sketch were found in varying proportions. All conduit seals were installed as "one shot" - i.e. one internal seal.

Fire watches were stationed in the plant as required by Technical Specification Action 3.7.7.a. All Category I buildings were completely covered by fire watches, due to the potential scope of the condition report.

In order to determine the problem scope, a walkdown was initiated on all "one-shot" conduit seals on 5/9/86. This effort is continuing. To date, over 200 non complying seals have been identified. All conduit seals found to be not in accordance with existing fire test are being repaired by installing a second seal on the opposite side of the penetration. This activity is expected to be completed by the end of June 1986.

FURTHER INVESTIGATION

Investigation by Stone & Webster (SWEC) and B&B failed to uncover any previous fire test done in the as installed configuration with aluminum conduit. Further discussions with the Nuclear Reactor Regulation branch of the NRC on 5/2/86 rendered an interpretation of 10CFR50, Appendix R and Branch Technical Position (BTP) Chemical Engineering Branch (CMEB) 9.5-1 that required the internal conduit seal to be located in the penetration seal itself, or on either side, using two separate seals.

SAFETY CONSEQUENCES

Internal conduit seals placed outside the penetration seal may impair its fire resistance. The penetration seal would certainly function, but for an indeterminate time. Improper placement of conduit seals has not been postulated in plant accident analysis. Because no fire

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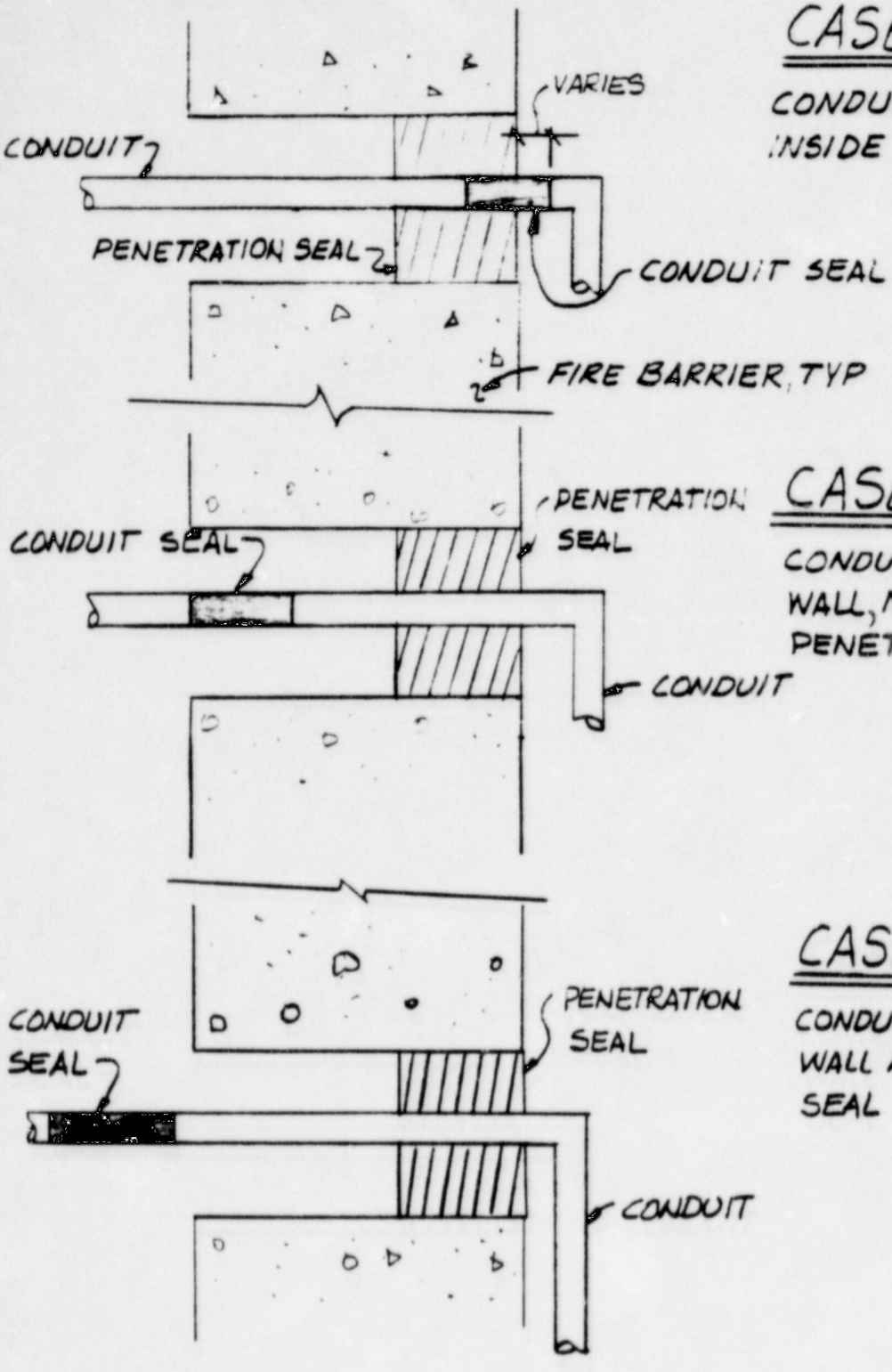
TEXT (If more space is required, use additional NRC Form 366A's) (17)

occured during this period of time no actual safety consequences resulted from the condition reported herein and the health and safety of the public was not endangered.



CASE I

CONDUIT SEAL PARTIALLY INSIDE PENETRATION SEAL

CASE II

CONDUIT SEAL INSIDE WALL, NOT INSIDE PENETRATION SEAL

CASE III

CONDUIT SEAL OUTSIDE WALL AND PENETRATION SEAL

GULF STATES UTILITIES COMPANY

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

AREA CODE 504 635-6094 346-8651

June 2, 1986
RBG- 23809
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. 86-036 for River Bend Station - Unit 1. This report is submitted pursuant to 10CFR50.73.

Sincerely,

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

JEB/TFP/DRG/BEH/je

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

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