

Entergy Operations, Inc. River Bend Station 5485 U.S. Highway 61N St. Francisville, LA 70775 Tel 225-381-4374

William F. Maguire Site Vice President

RBG-47880

July 3, 2018

Attn: Document Control Desk U.S. Nuclear Regulatory Commission 11555 Rockville Pike Rockville, MD 20852-2738

Subject:

Licensee Event Report 50-458 / 2018-004-00

River Bend Station, Unit 1 Docket No. 50-458 License No. NPF-47

Dear Sir or Madam:

In accordance with 10 CFR 50.73, enclosed is the subject Licensee Event Report. This document contains no commitments. If you have any questions, please contact Mr. Tim Schenk at 225-381-4177.

Sincerely,

UKMogune

WFM/twf

Enclosure

cc: (with Enclosure)

U.S. Nuclear Regulatory Commission Attn: Ms. Lisa M. Regner, Project Manager 09-D-14 One White Flint North 11555 Rockville Pike Rockville, MD 20852

U.S. Nuclear Regulatory Commission Region IV 1600 East Lamar Blvd. Arlington, TX 76011-4511 RBG-47874 Page 2 of 2

> NRC Senior Resident Inspector Attn: Mr. Jeff Sowa 5485 U.S. Highway 61, Suite 1 St. Francisville, LA 70775

Public Utility Commission of Texas Attn: PUC Filing Clerk 1701 N. Congress Avenue P. O. Box 13326 Austin, TX 78711-3326

INPO (via ICES reporting)

RBF1-18-0140

NRC FORM	366
(04-2018)	

U.S. NUCLEAR REGULATORY COMMISSION

ON APPROVED BY OMB: NO. 3150-0104 EXPIRES: 03/31/2020



LICENSEE EVENT REPORT (LER)

(See Page 2 for required number of digits/characters for each block)

(See NUREG-1022, R.3 for instruction and guidance for completing this form http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1022/r3/) Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Information Services Branch (T-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@mc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. Fac	ility Na	me								2.	Docket N	lumber		3. Page					
River	Bend	Station	- Unit 1							0	5000	458		1	OF	:	3		
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5.	Event	Date		6. LER N	umber		7.	Report	Date			8.	Other	Facilitie	s Involved				
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9. O	perating	g Mode		11	. This F	Report is	Submit	ted Pur	suant	t to th	e Requi	rements of 10	CFR §	(Check	all that ap	ply)	1		
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River Bend Station - Unit 1		05000-		458	2018	SEQUENTIAL NUMBER	REV NO.

NARRATIVE

BACKGROUND

Enforcement Guidance Memorandum (EGM) 15-002, Enforcement Discretion for Tornado-Generated Missile Protection Noncompliance, provides guidance for exercising enforcement discretion when an operating power reactor licensee does not comply with a plant's current site-specific licensing basis for tornado-generated missile protection. Specifically, enforcement discretion would apply to the applicable Technical Specification (TS) Limiting Condition for Operation (LCO), which would require a reactor shutdown or mode change, if a licensee could not complete TS LCO Required Action within the stated TS Completion Time. Interim Staff Guidance DSS-ISG-2016-01, Clarification of Licensee Actions in Receipt of Enforcement Discretion per Enforcement Guidance Memorandum EGM 15-002, includes additional information intended to facilitate an understanding of the expectations for consistent NRC oversight associated with implementing enforcement discretion for tornado missile protection non-compliance per EGM 15-002. Appendix A to DSS-ISG-2016-01 includes guidance for acceptable initial and follow-up comprehensive compensatory measures for licensee use in implementing the enforcement discretion outlined in EGM 15-002. The licensee is expected to document the utilization of EGM 15-002, inform the NRC resident inspector, and enter the issue into the corrective action program. With respect to initial compensatory measures, it is expected that the measures listed in Appendix A are already in place at sites that may be affected by severe weather, such as tornadoes and/or hurricane force winds. The measures provided should be verified as current and readily deployable within a very short timeframe (the shortest timeframe could, in some scenarios, be dictated by a TS LCO 3.0.3 Completion Time of one hour).

REPORTED CONDITION

On May 4, 2018 with the reactor operating in Mode 1 at 100% power, several licensing basis non-compliances associated with tornado-generated missile protection were identified in the Diesel Generator Building [NB]. The Emergency Diesel Generators [EK] were declared inoperable. NRC Enforcement Guidance Memorandum (EGM) 15-002, Enforcement Discretion for Tornado-Generated Missile Protection Noncompliance, was then utilized to change the classification of the affected System, Structure, or Component (SSC) from Inoperable to Operable but Nonconforming. The utilization of EGM 15-002 was declared in the Main Control Room Log, the resident NRC inspector was notified, and the non-compliances were entered into the corrective action program.

On May 9, 2018 non-conformances were identified in the Control Building [NA]and Standby Cooling Tower [MK]. The following SSCs were affected:

-Division II DC [EJ] electrical power distribution subsystem. -Division II and III Residual Heat Removal [BO] pumps. -Division I and II Standby Service Water [BI].

Once again the guidance of EGM 15-002 was followed to change the classification of the affected SSCs from Inoperable to Operable but Non-conforming.

CAUSAL ANALYSIS

These vulnerabilities were introduced during the original design of the plant. Engineering judgement was exercised at the time of original construction to only protect certain openings from tornado missile transit with tornado-generated missile resistant barriers. Other small penetrations were deemed to be inconsequential. Typical engineering and licensing documentation practices at the time of construction did not include documenting such engineering judgements. Due to the historical nature of the issue, a specific cause for the non-compliances was not determined.

CORRECTIVE ACTION

The initial compensatory actions of DSS-ISG-2016-01 Appendix A were verified to be in place and readily deployable. Long

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NRC FORM 366A U.S. NUCLEAR REGULA	TORY COM	NISSION	APPROVED BY OMB: NO	3150-010	04	EXPIRES	S: 03	3/31/2020				
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http://www.mc.gov/reading-mtdoc-collectionsmungstataffirs1022/131 accord and supple analysis of the provided and supple analysis and are being tracked in the station's corrective action program. PREVIOUS OCCURRENCE EVALUATION There have been no similar events reported by River Bend Station. SAFETY SIGNIFICANCE As stated in the NRC Enforcement Guidance Memorandum, 15-002, the basis for exercising enforcement discretion is a result of a generic risk analysis performed by the Office of Nuclear Reactor Regulation (NRR), Division of Risk Assessment (DRA). The assessment document Guidance Memorandum, 15-002, the basis for exercising and processors in accordance with their formado missile protections which likely exist at many reactors in accordance with their formado missile protections which likely exist at many reactors in accordance sumption, the comparison and their formado missile protections which likely exist at many reactors in accordance sumption, the comparison accordance with their formado missile protection system. The generic analysis addited at the order addite frequency (DCP) was calculated to be 45-5 per exit, which is more than an order of many tracked and their formado missile protection which likely exist at many reactors in accordance with their formado												