

Entergy Operations, Inc. River Bend Station 5485 U.S. Highway 61N St. Francisville, LA 70775 Tel 225-381-4157

William F. Maguire Site Vice President

RBG-47745

April 3, 2017

U. S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, DC 20555

Subject: Licensee Event Report 50-458 / 2017-001-00 River Bend Station – Unit 1 Docket No. 50-458 License No. NPF-47

RBF1-17-0036

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,

Mr. May une

WFM / dhw

Enclosure

cc: U. S. Nuclear Regulatory Commission Region IV 1600 East Lamar Blvd. Arlington, TX 76011-4511

> NRC Sr. Resident Inspector P. O. Box 1050 St. Francisville, LA 70775

INPO (via ICES reporting)

IE22 NRR

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> Central Records Clerk Public Utility Commission of Texas 1701 N. Congress Ave. Austin, TX 78711-3326

Department of Environmental Quality Office of Environmental Compliance Radiological Emergency Planning and Response Section Ji Young Wiley P.O. Box 4312 Baton Rouge, LA 70821-4312

NRC FORM 366 U.S. NUCLEAR REGULATORY COMMISSION (06-2016)								Estimated burden per response to comply with this mandatory collection request: 80 hours.										
(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/)									Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Privacy and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 2055-001, or by e-mail to Infocollects.Resource@nrc.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. FACILITY NAME									2. DOCKET NUMBER 3. PAGE							-		
River Bend Station - Unit 1									05000		458 1 OF 3					5		
4. TITLE Operations Prohibited by Technical Specifications (Conduct of Operations With a Potential to Drain the Reactor Vessel With Primary Containment Open)																		
5. EVENT DATE 6. LER NUMBER 7. REPORT I								DATE		8. OTHER FACILITIES INVOLVED								
MONTH	DAY	YEAR	YEAR		ential Iber	REV NO.	MONTH	DAY	YEAR		FACILITY NAME					DOCKET NUMBER		
01	31	2017	2017	• . 00	01 -	00	04	03	2017	FAC						DOCKET NUMBER		
9. OPERATING MODE 11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)																		
20.2201(b) 20.2203(a)					2203(a)(3	)(i)		50.73(a)	(2)(ii)(A)		50.	.73(a)	( <b>2)(vi</b> i	i)(A)				
5			20.2201(d)				20.2203(a)(3)			50.73(a)(2)(ii)(B) 5				50.	.73(a)(2)(viii)(B)			
			20.2203(a)(1)				20.2203(a)(4)			50.73(a)(2)(iii)			50.73(a)(2)(ix)(A)					
			20.2203(a)(2)(i)				50.36(c)(1)(i)			50.73(a)(2)(iv)(A)				50.73(a)(2)(x)				
10. POW	VER LEV	/EL	20.2203(a)(2)(ii)				50.36(c)(1)(ii)				50.73(a)	(2)(v)(A)		73.	.71(a)	(4)		
0			20.2203(a)(2)(iii) 20.2203(a)(2)(iv)				50.36(c)(2) 50.46(a)(3)(ii)				50.73(a)(2)(v)(B) 50.73(a)(2)(v)(C)			73	)(5)			
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			20.2203(a)(2)(v)				50.73(a)(2)(i)			L	50.73(a)(2)(v)(D)			73.77(a)(2)(i)				
			20.2203(a)(2)(vi)				50.73(a)(2)(i)(			50.73(a)(2)(vii)				73.77(a)(2)(ii)				
			50.73(a)(2)(i)						)(C) OTHER Specify in Abstract below or in NRC Form 366A									
				-		12. LI	CENSEE	CONTAC	T FOR T	HIS LI	ER							
LICENSEE CONTACT       TELEPHONE NUMBER (Include Area Code)         Tim Schenk, Manager - Regulatory Assurance       (225) 381-4177																		
13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT																		
CAUS	E	SYSTEM	COMPON	IENT	MAN FACTU		REPORTAB TO EPIX		CAUSE		SYSTEM	COMPONE	ENT	MANU FACTUF			ORTABLE O EPIX	
none	e																	
14. SUPPLEMENTAL REPORT EXPECTED										MONTH	0	DAY	YEAR					
YES (If yes, complete 15. EXPECTED SUBMISSION DATE)  VO									BMISSION DATE		na							
ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)																		

During a refueling outage that commenced on January 28, 2017, there were occasions during which maintenance was performed without taking the required actions to comply with the applicable Technical Specifications. Specifically, operations with a potential to drain the reactor vessel (OPDRVs) were conducted without establishing primary containment integrity, and the provisions of NRC Enforcement Guidance Memorandum (EGM) 11-003, Rev. 3, were invoked instead. The first such operation was commenced on January 31, and the final OPDRV was completed on March 4. This condition is being reported in accordance with 10 CFR 50.73(a)(2) (i)(B) as operations prohibited by Technical Specifications. During all OPDRVs, the prerequisites specified by the EGM were enforced. All activities were completed with no transients in reactor cavity water level having occurred. This event was, thus, of minimal safety significance with regard to the health and safety of the public. On December 20, 2016, NRC approved a generic Technical Specification amendment that can be used by licensees to reconcile this condition. It is required by the EGM that applicable licensees (including River Bend Station) must submit a request for this amendment by December 20, 2017.

NRC FORM 366A U.S. NUCLEAR REGULA	TORY COMMISSION	APPROVED BY OMB: NO.	3150-0104	EXPIRES:	10/31/2018					
LICENSEE EVENT REP CONTINUATION S	HEET	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 FOIA, Privacy and Information Collections Branch (T-5 (F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.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								
(See NUREG-1022, R.3 for instruction and guidance for http://www.nrc.gov/reading-rm/doc-collections/nureg		NRC may not conduct or sponsor, ar collection.								
	2. DOCH	(ET NUMBER	3.	LER NUMBER	!					
River Bend Station - Unit 1	05000-	458	2017 _ SI	EQUENTIAL NUMBER 001 -	REV NO. - 00					
NARRATIVE		·····			L					
REPORTED CONDITION										
During a refueling outage that commenced of performed without taking the required actions operations with a potential to drain the reactor integrity, and the provisions of NRC Enforcen The first such operation was commenced on is being reported in accordance with 10 CFR	to comply with the r vessel (OPDRVs nent Guidance Mer January 31, and th	e applicable Technical Sp ) were conducted withou morandum (EGM) 11-00 le final OPDRV was com	pecifications. It establishing 3, Rev. 3, wer Ipleted on Ma	Specifically, primary cont re invoked ins rch 4. This c	, ainment stead. ondition					
BACKGROUND										
As explained in the EGM, certain safety syste and to provide protection against untreated fi water level drops and uncovers irradiated fue specific plant actions that constitute OPDRV licensee to use the plain language meaning of activity that could potentially result in draining taking credit for mitigating measures, would be commencements of OPDRVs.	ssion product relea el. BWR Technical activities. Because of OPDRV for deter g or siphoning the F	ase in the event that the Specifications do not de a definition is not provid rmining applicable TS red RPV water level below th	reactor pressu fine the term ded, the NRC quirements. The top of active	ure vessel (RI OPDRV or id staff expects This means the fuel (TAF), v	PV) entify the nat any					
EVENT DESCRIPTION										
The OPDRVs conducted in RBS' recent refue	eling outage includ	ed:			•					
<ol> <li>Flushing certain sections of the reactor cod</li> <li>Replacement of the "A" reactor recirculatio</li> <li>Replacement of the "B" reactor recirculatio</li> <li>Reactor control rod drive mechanism replation</li> <li>Repair to valves in the control rod drive hy</li> </ol>	n system pump an n pump seal. acements.		kers.							
OPDRVs were completed on March 4 with no	o complications reg	arding pool water level o	control.							
PREVIOUS OCCURRENCE EVALUATION										
On April 18, 2013, RBS submitted Licensee I time of that event, Revision 1 of the EGM wa refueling outage.										
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NRC FORM 366A (06-2016)

#### U.S. NUCLEAR REGULATORY COMMISSION



# LICENSEE EVENT REPORT (LER) CONTINUATION SHEET

(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/) APPROVED BY OMB: NO. 3150-0104

EXPIRES: 10/31/2018

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1. FACILITY NAME		3. LER NUMBER						
River Bend Station - Unit 1	05000-	2. DOCKET NUMBER	YEAR 2017	-	SEQUENTIAL NUMBER	- [	REV NO.	
				_				

### NARRATIVE

## CORRECTIVE ACTION TO PREVENT RECURRENCE

On December 20, 2016, NRC approved a generic Technical Specification amendment that can be used by licensees to reconcile this condition. It is required by the EGM that applicable licensees (including River Bend Station) must submit a request for this amendment by December 20, 2017.

## SAFETY SIGNIFICANCE

During all OPDRVs, the following prerequisites were enforced:

1. Refueling cavity water level was maintained greater than 23 feet above the reactor pressure vessel flange.

2. The high pressure core spray system was maintained available for inventory makeup

3. The size of the allowable drainage path was minimized to maintain time-to-draindown at greater than 24 hours (to the RPV flange)

4. Two independent means of monitoring reactor cavity water level were maintained.

All activities were completed with no transients in reactor cavity water level having occurred. This event was, thus, of minimal safety significance with regard to the health and safety of the public.