

Entergy Operations, Inc. River Bend Station 5485 U. S. Highway 61N St. Francisville, LA 70775 Tel 225 381 4374 Fax 225 381 4872 eolson@entergy.com

Eric W. Olson Site Vice President

RBG-47643

January 26, 2016

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

Subject:

Licensee Event Report 50-458 / 2015-009-00 River Bend Station – Unit 1 Docket No. 50-458 License No. NPF-47

RBF1-16-0007

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. Joseph Clark at 225-381-4177.

Sincerely,

EWO / 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

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INPO (via ICES reporting)

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

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NRC FORM 366 U.S. NUCLEAR REGULATORY COMMISSION								APPROVED BY OMB: NO. 3150-0104 EXPIRES: 01/31/2017									
(See Page 2 for required number of digits/characters for each block)										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 internet 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. FACI	1. FACILITY NAME									KET NUMBER	3. 1	PAGE					
River Bend Station - Unit 1								05000) 458 1 OF 3						i .		
4. TITLE												_					
Autom	atic Rea	ctor Scrat	n Due to	Partial	Loss o	f Offsit	e Power	Caused	d by Fault	t in Local 230k	V Switch	yard					
5. EVENT DATE 6. LER NUMBER					2	7. R	EPORT	DATE	DATE 8. OTHER			ITIES INVO)				
MONTH	MONTH DAY YEAR		YEAR SEQUENTIAL NUMBER		REV NO.	MONTH DAY		YEAR	FACILITY NAME				05	DOCKET NUMBER			
11	27	2015	2015	- 00)9 -	00	01	26	2016	FACILITY NAME			05	05000			
9. OP		3 MODE	11. 1	THIS RE	PORTI	S SUBN	I ITTED P	URSUA		E REQUIREMEN	NTS OF 10	CFR	§: (Check	all th	at ap	ply)	
20.2201(b) 20.2203(a)(3								3)(i)) 50.73(a)(2)(i)(C) 50.73(a)(2)(i))		
1			20.2201(d)				 20.2203(a)(3)			50.73(a)(2)(ii)(A)			50.73(a)(2)(viii)(i)(A)	
			20.2203(a)(1)				20.2203(a)(4)			50.73(a)(2)(ii)(B)			50.73(a)(2)(viii)(B)			i)(B)	
				20.2203(a)(2)(i)			50.36(c)(1)(i)			50.73(a)(2)(iii)			50.73(a)(2)(ix)(A)				
10. POV	VER LEV	'EL	20.2203(a)(2)(ii)				50.36(c)(1)(ii)			50.73(a)(2)(iv)(A)			50.73(a)(2)(x)				
	100			20.2203(a)(2)(iii)				6(c)(2)		50.73(a)(2)(v)(A)			73.71(a)(4)				
l				20.2203(a)(2)(iv)				6(a)(3)(ii)	50.73(a)(2)(v)(B)			73.71(a)(5)				
100			20.		50.73(a)(2)(i)			50.73(a)(2)(v)(C)			OTHER						
			20.)(2)(vi)		50.73(a)(2)(i)			i) 50.73(a)(2)(v)(D)			Specify in Abstract below or in NRC Form 366A					
						12. LIC		CONTA	CT FOR TH								
Joseph A	CONTACT 4. Clark,	Manager -	Regulator	y Assu	rance					١		TELE	225 (225	1BER (In) 381-	4177	Area Code)	
_			13. COMP	LETEC	ONE LIN	E FOR E	ACH CO	MPONE	NT FAILU	RE DESCRIBE	D IN THIS F	REPO	RT				
CAUSE SYSTEM		COMPONENT FACTUR		U- RER	TO EPIX		CAUSE	SYSTEM	COMPONENT		IT FACTUREF		REPORTABLE TO EPIX				
n/a	ı																
14. SUP	14. SUPPLEMENTAL REPORT EXPECTED									15. E)	(PECTED BMISSION		MONTH	DA	Ŷ	YEAR	
YES (If yes, complete 15. EXPECTED SUBMISSION				SSION D	N DATE) NO			DATE			05	03	3	2016			
On Nov the loss 230kV bus in t Divisio reserve diesel g trains o safety-r reactor	vember 2 s of pow switchy the switco on 2 RPS station generator of the sta related s control	27, 2015, er to both ard. The chyard to the service lin rs started ndby gas ystems wo rods inservices inservices	at 4:31 a. divisions initial res trip. The g in a half he no. 1. as design treatment ere out of ted prope	m. CS of the ponse fault c -scram This le ed to re syster servic rly. M	T, with reactor of the p aused a a. The a ead to t estore p n starte e at the ultiple a	the plan r protective protective voltage action of he loss power to d, and t t time of actuatio	nt operation syst ve relays to transic of the pro- of Divis their re- he prima the scra- ons of the	fing at 1 em (RI for the nt on the otective ion 1 R spective ary con am, and e main	100 percent PS). This a switchyate in-plant relays co PS and a c safety-r tainment reactor p steam safe	nt power, an an condition resu rd caused the t switchgear su ntinued, event full reactor scr elated onsite e isolation system pressure and wa ety-relief valve	itomatic re lted from breakers c ifficient to ually caus ram. The lectrical d m logic re ater level v es (SRVs)	eacto a sing onne trip ing th Divis istrib spond were occu	r scram o gle-phase cted to th the scram he de-ene sion 1 and ution sub ded as de promptly prred duri	e fault e fault e nort relay rgizat 1 3 em system signed stabi ng the	ed fo in th 23 vs in tion herge ms. d. N lizeo e eve	ollowing ne local 0kV the of ency Both lo d. All ent. The	
nuclear lines. S reporte	steam s SRV tail d in acco	upply sys pipe temp ordance w	tem vend perature re vith 10 CF	or repo ecorder R 50.7	orted thirs indica 73(a)(2)	is action ated tha)(iv)(A)	n was lik t all valv as an au	tely due ves re-s ntomation v diesel	e to a loca eated corr c actuatio	lized pressure rectly followin n of the reacto	transient i g the initian r protection ause of the	in the al trai on sys	e SRV ins nsient. T stem, the	trume his ev prima	entat vent ury ler	ion is being	

containment isolation logic, and the Division 1 and 3 emergency diesel generators. The root investigation. The results of that evaluation will be provided in a supplement to this report.

NRC FORM 366A (02-2014) U.S. NUCLEAR REGUL LICENSEE EVENT RE CONTINUATION	ATORY COMMISSION	APPROVED BY OMB: NO. 3150-0104 EXPIRES: 01/31/2017 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 internet e-mail to Infoccilects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-1020; (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	6. LER NUMBER					3. PAGE			
River Bend Station - Unit 1	05000 458	YEAR 	S	EQUENTIAI NUMBER	L]	REV NO.	2	OF	3	
			_							
NARRATIVE REPORTED CONDITION		-								
The main generator remained online until it was trip insufficient to drive the main turbine. The Division respective safety-related onsite electrical distribution primary containment isolation system logic respond scram, and reactor pressure and water level were pro- recirculation pump should have automatically down Multiple actuations of the main steam safety-relief w reported this action was likely due to a localized pre- recorders indicated that all valves re-seated correctly This event is being reported in accordance with 10 C the primary containment isolation logic, and the Div INVESTIGATION and IMMEDIATE CORRECTION	ped, as designed, by 1 and 3 emergency of a subsystems. Both the ed as designed. No so comptly stabilized. A shifted to slow speece valves (SRVs) occurr ssure transient in the of following the initial CFR 50.73(a)(2)(iv)(rision 1 and 3 emergence VE ACTION	the rever liesel gen rains of t afety-rela ll reactor l, but inst ed during SRV ins l transien A) as an a ency diese	rse-polerator he stated i cont ead t g the t. autor el ge	ower rela ors started andby ga systems v rol rods i ripped of event. T entation natic actunerators.	ys wi d as d ss trea were nsert ff. The nu lines.	hen read lesigned atment s out of s ed prop aclear st . SRV t	ctor stea I to resto system s ervice a erly. Th team sup tailpipe f	m pressur ore power tarted, and t the time ne "B" rea oply system temperatu	e was to their d the of the ctor m vendor re system,	
When power was restored to both divisions of RPS, restored to service. The isolation had caused a parti the standby service water system. The isolation had alternate pump for service. The plant was taken to c	the primary contains al loss of the normal also caused the spen cold shutdown in a co	nent isola service v It fuel poo ontrolled	ation vater ol co mani	signal wa system, r oling pur ner,	as res result np to	set, and ting in t trip, an	the affe he autor nd opera	cted syste natic actu tors aligne	ms were ation of ed the	
CAUSAL ANALYSIS										
The root cause of this event remains under investiga	tion. The results of	that evalu	iatioi	n will be	provi	ided in a	a supple	ment to th	is report.	
CORRECTIVE ACTIONS TO PREVENT RECUR	RENCE									
Long-term corrective actions will be specified by the	e completed root cau	se evalua	tion.							
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NRC FORM 366A (02-2014)

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LICENSEE EVENT REPORT (LER) CONTINUATION SHEET

U.S. NUCLEAR REGULATORY COMMISSION

1. FACILITY NAME	2. DOCKET		6. LER NUMBER	3. PAGE			
River Bend Station - Unit 1		YEAR	SEQUENTIAL NUMBER	REV NO.			
	05000 458	2015	- 009 -	00	5	OF	3

NARRATIVE

SAFETY SIGNFICANCE

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Other than the response of the reactor safety-relief valves and the "B" reactor recirculation pump, the plant responded as designed to the reactor scram. The emergency diesel generators responded as designed, and no conditions requiring the actuation of the emergency core cooling systems occurred. The operators were able to quickly stabilize RPV parameters without complication. This event was of minimal significance with regard to the safety of the public.