

Jamie Coleman Director, Regulatory Affairs 3535 Colonnade Parkway Birmingham, Al. 35243 205.992.5000

March 18, 2024

ND-24-0046

10 CFR 50.73(a)(2)(i)(B)

Docket No.: 52-025

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, DC 20555-0001

Southern Nuclear Operating Company <u>Vogtle Electric Generating Plant (VEGP) – Unit 3</u> <u>Licensee Event Report 2024-001-00</u> <u>Condition Prohibited by Technical Specification Limiting Condition of Operation 3.1.6 Control</u> <u>Bank Overlap Limits Exceeded Due to Inadequate Procedure Guidance</u>

Ladies and Gentlemen:

In accordance with the requirements of 10 CFR 50.73(a)(2)(i)(B), Southern Nuclear Operating Company is submitting the enclosed Licensee Event Report for VEGP Unit 3.

This letter contains no regulatory commitments. If you have questions regarding the enclosed information, please contact Will Garrett at (706) 848-7154.

Respectfully submitted,

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Jamie Coleman Director, Regulatory Affairs Southern Nuclear Operating Company

JC/kjd/cbg

Enclosure: Unit 3 Licensee Event Report 2024-001-00

CC: Regional Administrator, Region II VPO Project Manager Senior Resident Inspector – Vogtle Units 3 & 4 Director, Environmental Protection Division - State of Georgia **Vogtle Electric Generating Plant - Unit 3**

Licensee Event Report 2024-001-00

Condition Prohibited by Technical Specification Limiting Condition of Operation 3.1.6 Control Bank Overlap Limits Exceeded Due to Inadequate Procedure Guidance

Enclosure

Unit 3 Licensee Event Report 2024-001-00

NRC FORM 366 U.S. NUCLEAR REGULATORY COMMISSION							APPROVED BY OMB: NO. 3150-0104 EXPIRES: 03/31/2024											
(10-01-2023) 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 FOIA, Library, and Information Collections Branch (T-6 A10M), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by email to Infocollects.Resource@nrc.gov, and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0104), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503; email: <u>oira submission@omb.eop.gov</u> . The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.										
1. Facility Name									050 2. Docket Number					3. Page				
Vogtle Electric Generating Plant, Unit 3								■ 052 00025				1 OF 2						
^{4. Title} Condition Prohibited by Technical Specification Limiting Condition of Operation 3.1.6 Control Bank Overlap Limits Exceeded Due to Inadequate Procedure Guidance																		
5. Event Da	te		6. LER Nun	nber	r 7. Report Da				E.	8. Other Facilities Involved								
Month Day	Year	Year Year Sequentia Number			Revision No. Mont		Day	,	Year	Facility Nar	me			050 Docket Number				
01 18	2024	2024	- 001	-	00	03	18		2024	Facility Nar	me				052 Docket Number			
9. Operating Mode 10. Power Level 100																		
11. This Report is Submitted Pursuant to the Requirements of 10 CFR §: (Check all that apply)																		
10 CFR Part	20	20.2;	203(a)(2)(vi)	10 C	FR Part	50		50.73(a)(2)(ii)(A) 50.73(a)				a)(2)(viii)(A) 73.1200(a)					
20.2201(b)	[20.22	203(a)(3)(i)] 50).36(c)(1)(i))(A)		50.73(a)(2)(ii)(B) 50.73				a)(2)(viii)(B) 73.1200(b)					
20.2201(d)	[20.2	203(a)(3)(ii)		50.36(c)(1)(ii)(A)				50.73	8(a)(2)(iii)		50.73(a		73.1200(c)				
20.2203(a)(1) [20.2	203(a)(4)		50.36(c)(2)				50.73(a)(2)(iv)(A) 50.73(a))(2)(x) 73.1200(d)					
20.2203(a)(2	:)(i)	10 CF	R Part 21		50.46(a)(3)(ii)				50.73(a)(2)(v)(A) 10 CFR				Part 73 73.1200(e)					
20.2203(a)(2	:)(ii) [21.2((c)		50.69(g)] 50.73(a)(2)(v)(B)				(1) 73.1200(f)					
20.2203(a)(2	:)(iii)				50.73(a)(2)(i)(A)] 50.73(a)(2)(v)(C)			a)(2)(i) 73.1200(g)						
 20.2203(a)(2)(iv)				•	✓ 50.73(a)(2)(i)(B) [] 50.73(a)(2)(v)(D) [] 73.77(a))(2)(ii)					
20.2203(a)(2)(v)					50.73(a)(2)(i)(C)				50.73(a)(2)(vii)					-				
OTHER (Spe	ecify here,	in abstrac	t, or NRC 3	66A).														
					12	2. Licensee	e Cont	act fo	or this Li	ER								
Licensee Contact Will Garrett, Licensing Manager – Vogtle Units 3 & 4 (706) 848-7154																		
13. Complete One Line for each Component Failure Described in this Report																		
Cause System Component Manufac			ıfacturer	turer Reportable to IRIS			С	Cause	System		Component	Manufact	turer	Reportable to IRIS				
														-	~	1		
14. Supplemental Report Expected								15. Expected Submission Date				Month	ith Day		Year			
Ves (If yes, complete 15. Expected Submission Date)																		
16. Abstract (Limit to 1326 spaces, i.e., approximately 13 single-spaced typewritten lines) On January 20, 2024, at approximately 2000 EDT, with Vogtle Electric Generating Plant (VEGP) Unit 3 in Mode 1 at 100 percent power, a condition prohibited by the plant technical specifications (TS) was discovered after entry was made into Limiting Condition of Operation (LCO) 3.1.6, Condition B "Control bank sequence or overlap limits not met". Operators responded timely by entering Condition B of LCO 3.1.6 and completing the TS required actions to verify shutdown margin within the limits specified in the Core Operating Limits Report (COLR) and to restore overlap to within limits. The tip-to-tip distance between two control rod banks was one step less than allowed by the COLR, but this was not identified during three recently performed surveillances, which resulted in missed entries into Condition B of LCO 3.1.6. The cause was determined to be inadequate surveillance procedure guidance to specify an effective method to verify control rod overlap. The corrective action to revise the surveillance procedure was completed. This event is being reported under 10 CFR 50.73(a)(2)(i)(B). VEGP Units 1, 2, and 4 were unaffected by this event.																		

NRC FORM 366A U.S. NUCLEAR REGULATOR	RY COMMISSION	APPROVED BY OMB: NO	3150-010	04	EXPIRE	S: 0	03/31/2024		
(10-01-2023) LICENSEE EVENT REPOR CONTINUATION SHE (See NUREG-1022, R.3 for instruction and guidance for com http://www.nrc.gov/reading-rm/doc-collections/nuregs/sta	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, Library, and Information Collections Branch (T-6 A10M), U. S Nuclear Regulatory Commission, Washington, DC 2055-0001, or by email to Infocollects.Resource@nrc.gov, and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0104), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW Washington, DC 20503; email: <u>oira submission@omb.eop.gov</u> . The NRC may not conduct o sponsor, and a person is not required to respond to, a collection of information unless the document								
http://www.hrc.gov/reading-m/doc-collections/hdregs/sta	requesting or requiring the collection displays a currently valid OMB control number.								
1. FACILITY NAME	050	2. DOCKET NUMBER			3. LER NUMBER	2			
Vogtle Electric Generating Plant, Unit 3		00025	YEAR		SEQUENTIAL NUMBER		REV NO.		
	■ 052		2024	-	001	01			
NARRATIVE			•						
EVENT DESCRIPTION On January 20, 2024, at approximately 2000 EDT percent power, the tip-to-tip overlap between two than the required COLR limit during the performar identified the surveillance requirement not satisfie sequence or overlap limits not met" and completin overlap to within limits. Upon further investigation, not determine the two control rod banks had tip-to into Condition B of LCO 3.1.6 and exceeding the staff was using a method of manually calculating to correctly evaluated not meeting the surveillance re the surveillance were used in the performance of determined to be ineffective because they relied u ALM] which was not received during these specific There were no structures, systems, or component event. This event is reportable under 10 CFR 50. EVENT CAUSE ANALYSIS The cause of the control rod overlap limit not bein specify an effective overlap verification method (e control rod out of sequence indication or alarm. SAFETY ASSESSMENT There were no safety consequences due to this e remained within applicable limits, and shutdown m timely upon discovery of the event by successfully margin and restore the control bank overlap to wit event. VEGP Units 1, 2, and 4 were unaffected by CORRECTIVE ACTIONS A standing order was established to provide timely revised to require operators to manually record ro the COLR limits following control rod movements. Additional corrective actions, as applicable, associ action program. PREVIOUS SIMILAR EVENTS None	control rod bar nce of a 12-hou d, they respon og the required p-tip distance e TS required ac the overlap tip- equirement. Of the surveillance ipon receiving c surveillance (a)(2)(i)(B) a g detected dur .g., manual cal vent because a hargin was mai / performing L0 thin limits. No y this event.	hks [EIIS: AA / ROD] was ur technical specification ded timely by entering LO actions to verify shutdow ered that three recent per xceeding the COLR limit too completion times. At to-tip distance and comp ther methods to determine es that were missed. The a control rod out of seque performances. operable at the beginning as operation or condition ring surveillance was inact lculation) to detect abnor all control rods remained intained during each occ CO 3.1.6 Condition B req safety systems were req the operating shifts, and calculate the tip-to-tip dis	discove (TS) su CO 3.1.6 vn marg formand s. This r the tim- paring to be the tim- paring to be the tim- paring to be the tim- pere othe ence ind of the e prohibition dequate mal con operable urrence. uired ac uired to	ere rve 6 C in a cess e o b to e o the b-to a dica eve dica eve dica eve dica res veil dica veil veil o veil o veil o veil	d to be one si illance. When ondition B "Ca and to restore of this survei ulted in misse f discovery, the e COLR limits -tip distance a llowed metho ation or alarm ant that contrik by plant's TS. Decedure guida ions absent re- core power di he operators ns to verify sh spond as a res llance proced erify the overl	tep nop onti- e the illar e point on the illar e po	less perators rol bank ence did entries plant hich wed by were IIS: AA / ed to the e to iving a bution sponded down c of the e was is within		