

NRC FORM 361  
(08-15-2024)U.S. NUCLEAR REGULATORY COMMISSION  
OPERATIONS CENTER

APPROVED BY OMB: NO. 3150-0238

EXPIRES: 07/31/2026



## REACTOR PLANT EVENT NOTIFICATION WORKSHEET

Estimated burden per response to comply with this voluntary collection request: 30 minutes. The information provided will be used for evaluation of licensee event description, facility status and for input to the public website. 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](mailto:Infocollects.Resource@nrc.gov), and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0238), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503. 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.

EN # 57836

NRC OPERATIONS TELEPHONE NUMBERS: PRIMARY - 301-816-5100 or 800-532-3469#, BACKUPS - [1st ] 301-951-0550 or 800-449-3694#, [2nd] 301-415-0550 and [3rd] 301-415-0553. #Licensees who maintain their own ETS are provided these telephone numbers.  
FAX - 301-816-5151, EMAIL - hoo.hoc@nrc.gov

Notification Time	Facility or Organization	Unit	Name of Caller/Title	Call Back #
1300	Donald C. Cook Nuclear Plant	1 and 2	Bradford Culwell, Regulatory Affairs	2694655901 x7509
Event Time & Zone	Event Date	Power/Mode (At Time of Event)		Power/Mode (At Time of Notification)
1200 [EDT]	06/06/2025	100		100
EVENT CLASSIFICATION		1-HR. NON-EMERGENCY 10 CFR 50.72(b)(1)		
<input type="checkbox"/> GENERAL EMERGENCY	GEN/AAEC	<input type="checkbox"/> TS Deviation	ADEV	<input type="checkbox"/> (v)(A) Safe S/D Capability AINA
<input type="checkbox"/> SITE AREA EMERGENCY	SIT/AAEC	4-HR. NON-EMERGENCY 10 CFR 50.72(b)(2)		<input type="checkbox"/> (v)(B) RHR Capability AINB
<input type="checkbox"/> ALERT	ALE/AAEC	<input type="checkbox"/> (i) TS Required S/D	ASHU	<input type="checkbox"/> (v)(C) Control of Rad Release AINC
<input type="checkbox"/> UNUSUAL EVENT	UNU/AAEC	<input type="checkbox"/> (iv)(A) ECCS Discharge to RCS	ACCS	<input type="checkbox"/> (v)(D) Accident Mitigation AIND
<input type="checkbox"/> 50.72 NON-EMERGENCY	(see next columns)	<input type="checkbox"/> (iv)(B) RPS Actuation (scram)	ARPS	<input type="checkbox"/> (xii) Offsite Medical AMED
<input type="checkbox"/> 10 CFR 73	D???	<input type="checkbox"/> (xi) Offsite Notification	APRE	<input type="checkbox"/> (xiii) Loss Comm/Asmt/Response ACOM
<input type="checkbox"/> MATERIAL/EXPOSURE	B???	8-HR. NON-EMERGENCY 10 CFR 50.72(b)(3)		<input type="checkbox"/> 60-DAY OPTIONAL 10 CFR 50.73(a)(1)
<input type="checkbox"/> FITNESS FOR DUTY	HFIT	<input type="checkbox"/> Invalid Specified System Actuation	AINV	<input type="checkbox"/> (ii)(A) Degraded Condition ADEG
<input type="checkbox"/> OTHER UNSPECIFIED REQMT.	(see last column)	<input type="checkbox"/> (ii)(B) Unanalyzed Condition	AUNA	<input checked="" type="checkbox"/> OTHER UNSPECIFIED REQUIREMENT (IDENTIFY)
<input type="checkbox"/> INFORMATION ONLY	NNF	<input type="checkbox"/> (iv)(A) Specified System Actuation	AESF	<input checked="" type="checkbox"/> 10 CFR 21.21(d)(3)(i) NONR
				<input type="checkbox"/> NONR

**Event Description** (Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions taken or planned, etc.) (Continue on Page 2)

This is an Initial Report Notification Pursuant to 10 CFR Part 21.21.

Donald C. Cook Nuclear Plant completed an internal Part 21 evaluation concerning an issue with an Emergency Diesel Generator (EDG) Voltage Regulator (VR) supplied by Paragon Energy Solutions, LLC. An issue was identified during a surveillance test, conducted April 22, 2025, concerning a Thermal Overload (TOL) for the VR which spuriously trips causing a condition where the EDG VR can no longer control the generator voltage, resulting in the inability of the EDG to supply automatic onsite emergency AC power. A failure analysis was completed, dated June 6, 2025, that determined that the cause of the spurious trips is associated with a heater dimensional tolerance deficiency lowering the activation threshold of the TOL bimetallic strip and a workmanship deficiency associated with a braided control wire restricting the movement of the TOL pressure bar. Extent of condition examinations were performed and one additional TOL was found to be impacted. The two impacted TOLs have been replaced. A written notification will be provided within 30 days.

Affected known plants include only Donald C. Cook Nuclear Power Plant Units 1 and 2 at the time of notification.

The NRC Resident has been notified.

NOTIFICATIONS	YES	NO	WILL BE	
NRC RESIDENT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Anything Unusual or not understood? <input type="checkbox"/> Yes (Explain above) <input checked="" type="checkbox"/> No
STATE(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did all systems function as required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain above)
LOCAL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
OTHER GOV AGENCIES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mode of operations until corrected (if applicable)
MEDIA/PRESS RELEASE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Additional Information continued on next page? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No