NRC FORM 361
(08-15-2024)

U.S. NUCLEAR REGULATORY COMMISSION
OPERATIONS CENTER

REACTOR PLANT EVENT NOTIFICATION WORKSHEET

APPROVED BY OMB: NO. 3150-0238 EXPIRES: 07/31/2026

EN # 58310

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 #
1518 ET	South Texas	1, 2	Neil Rocha / Unit 1 Shift Manager	361-972-8614

Event Time & Zone	Event Date	Power/Mode (At Time of Event)	Power/Mode (At Time of Notification)
1221 CDT	6/9/26	100 / 1 (Both Units)	100 / 1 (Both Units)

EVENT CLASSIFICATION		1-HR. NON-EMERGENCY 10 CFR 50.72(b)(1)					
☐ GENERAL EMERGENCY	GEN/AAEC	☐ TS Deviation	ADEV	☐ (v)(A) Safe S/D Capability	AINA
☐ SITE AREA EMERGENCY	SIT/AAEC	**4-HR. NON-EMERGENCY 10 CFR 50.72(b)(2)**		☐ (v)(B) RHR Capability	AINB
☐ ALERT	ALE/AAEC	☐ (i) TS Required S/D	ASHU	☐ (v)(C) Control of Rad Release	AINC
☐ UNUSUAL EVENT	UNU/AAEC	☐ (iv)(A) ECCS Discharge to RCS	ACCS	☐ (v)(D) Accident Mitigation	AIND
☐ 50.72 NON-EMERGENCY	(see next columns)	☐ (iv)(B) RPS Actuation (scram)	ARPS	☐ (xii) Offsite Medical	AMED
☐ 10 CFR 73	D???	☐ (xi) Offsite Notification	APRE	☐ (xiii) Loss Comm/Asmt/Response	ACOM
☐ MATERIAL/EXPOSURE	B???	**8-HR. NON-EMERGENCY 10 CFR 50.72(b)(3)**		**60-DAY OPTIONAL 10 CFR 50.73(a)(1)**	
☐ FITNESS FOR DUTY	HFIT	☐ (ii)(A) Degraded Condition	ADEG	☐ Invalid Specified System Actuation	AINV
☐ OTHER UNSPECIFIED REQMT.	(see last column)	☐ (ii)(B) Unanalyzed Condition	AUNA	**OTHER UNSPECIFIED REQUIREMENT (IDENTIFY)**	
☐ INFORMATION ONLY	NNF	☐ (iv)(A) Specified System Actuation	AESF	☑ 10 CFR 21.21(d)(3)(i)	NONR
				☐	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)*

Part 21 Initial Report - TE Connectivity MDR RelaysOn 06/09/26, STP Nuclear Operating Company (STPNOC) completed a Part 21 evaluation which identified a defect with TE Connectivity MDR styled relays (MDR 131-1 and MDR 134-1) manufactured after mid-year 2020. Since 2023, eleven (11) of these relays in both Unit 1 and Unit 2 have experienced premature failures resulting in Essential Chillers being inoperable and incapable of fulfilling their intended safety function. The relays were procured as commercial grade items and were dedicated by STPNOC solely for use at STP. Investigation determined that the relay failures resulted from overheating of the relay coils during operation. The vendor informed STP that a subcontractor responsible for rotor grinding produced relay rotors that were undersized and outside of specification. The reduced rotor dimensions resulted in a looser fit between the rotor and stator, reducing eddy currents and increasing coil current consumption. The increased coil wattage then generated excessive heat that caused the relay windings to short at the finish lead, resulting in relay failure. A written notification in accordance with 10 CFR 21.21(d)(3)(ii) will be provided within 30 days.

NRC Resident Inspector has been notified, 6/10/26 at 1330 CDT.

NOTIFICATIONS	YES	NO	WILL BE
NRC RESIDENT	☑	☐	☐
STATE(s)	☐	☑	☐
LOCAL	☐	☑	☐
OTHER GOV AGENCIES	☐	☑	☐
MEDIA/PRESS RELEASE	☐	☑	☐

Anything Unusual or not understood? ☐ **Yes** (Explain above) ☑ **No**

Did all systems function as required? ☑ **Yes** ☐ **No** (Explain above)

Mode of operations until corrected (if applicable) N/A

Additional Information continued on next page? ☐ **Yes** ☑ **No**

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EN # _____

RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description)

☐ Liquid Release	☐ Gaseous Release	☐ Unplanned Release	☐ Planned Release	☐ Ongoing	☐ Terminated
☐ Monitored	☐ Unmonitored	☐ Offsite Release	☐ T.S. Exceeded	☐ RM Alarms	☐ Areas Evacuated
☐ Personnel Exposed or Contaminated		☐ Offsite Protection Actions Recommended		*State release path in description	

	Release Rate (Ci/sec)	% T.S. Limit	HOO Guide	Total Activity (Ci)	% T.S. Limit	HOO Guide
Noble Gas			**0.1 Ci/sec**			**1000 Ci**
Iodine			**10 µCi/sec**			**0.01 Ci**
Particulate			**1 µCi/sec**			**1 mCi**
Liquid (excluding tritium and dissolved noble gas)			**10 µCi/min**			**0.1 Ci**
Liquid (tritium)			**0.2 Ci/min**			**5 Ci**
TOTAL						

	Plant Stack	Condenser/Air Ejector	Main Steam Line	SG Blowdown	Other
RAD Monitor Readings					
Alarm Setpoints					
% T.S. Limit (If applicable)					

RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: *(specific details/explanations should be covered in event description)*

Location of the Leak (e.g., SG #, valve, pipe, etc.)

Leak Rate	**Units: gpm/gpd**	**T. S. Limits**	**Sudden or Long-Term Development**
Leak Start Date	**Time**	**Coolant Activity and Units:** **Primary**	**Secondary**

List of Safety Related Equipment not Operational

Event Description (Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions taken or planned, etc.) *(Continued from Page 1)*