

Power Reactor

Event # 47395

<b>Site:</b> SEABROOK		<b>Notification Date / Time:</b> 11/01/2011 09:38 (EDT)	
<b>Unit:</b> 1	<b>Region:</b> 1	<b>State :</b> NH	<b>Event Date / Time:</b> 10/31/2011 18:00 (EDT)
<b>Reactor Type:</b> [1] W-4-LP		<b>Last Modification:</b> 11/01/2011	
<b>Containment Type:</b> DRY AMB			
<b>NRC Notified by:</b> MICHAEL O'KEEFE		<b>Notifications:</b> NEIL PERRY	
<b>HQ Ops Officer:</b> PETE SNYDER		R1DO	
<b>Emergency Class:</b> NON EMERGENCY			
<b>10 CFR Section:</b>			
21.21	UNSPECIFIED PARAGRAPH		

  

Unit	Scram Code	RX Crit	Init Power	Initial RX Mode	Curr Power	Current RX Mode
1	N	Yes	100	Power Operation	100	Power Operation

GENERAL ELECTRIC CR-120B RELAYS SUPPLIED BY NATIONAL TECHNICAL SYSTEMS FAIL BENCH TEST

"On October 31, 2011, NextEra Energy Seabrook, LLC completed a 10 CFR 21 evaluation of a condition associated with General Electric (GE)-CR-120B relays supplied by National Technical Systems, Inc. and intended for use at Seabrook. Six (6) Quality Level 1 GE-CR-120B relays failed bench testing. During bench testing, the subject relays failed to reset when de-energized. An evaluation was performed to determine the applications where these relays could have been and were installed and to determine if the failure of the subject relays could result in a Substantial Safety Hazard as defined in 10 CFR 21.3. The evaluation concluded that there is one safety significant application relative to the failure of the GE-CR-120B relays to reset in the Seabrook Diesel Air Handling System (DAH).

"Each DAH system train (includes one supply fan and one exhaust fan per train) has one relay that provides a start permissive for the ventilation fans. An analysis of the failure of a GE-CR-120B relay in the DAH system determined that, if the relays were installed, the condition could create a substantial safety hazard due to a subsequent loss of the emergency power function. Therefore, this report is being submitted pursuant to the requirements of 10 CFR 21.21(d)(3)(i). A written notification will be made to the NRC within 30 days pursuant to 10 CFR 21.21(d)(3)(ii).

"No actual safety consequences resulted from this condition because the GE-CR-120B relays were not installed in the plant in this safety significant application."

The licensee notified the NRC Resident Inspector.

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IE19  
NRR

NRC FORM 361 (12-2000)	<b>REACTOR PLANT EVENT NOTIFICATION WORKSHEET</b>	U.S. NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER EN #
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NRC OPERATION TELEPHONE NUMBER: 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.

NOTIFICATION TIME 0930 11/1/11	FACILITY OR ORGANIZATION Seabrook Station	LINT 1	NAME OF CALLER Michael O'Keefe	CALL BACK # 603-773-7745
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EVENT TIME & ZONE 1800 10/31/11	EVENT DATE 10/31/2011	POWERMODE BEFORE 100% / 1	POWERMODE AFTER 100% / 1
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EVENT CLASSIFICATIONS		1-Hr. Non-Emergency 10 CFR 50.72(b)(1)	(v)(A) Safe SD Capability	ANA
GENERAL EMERGENCY	GEN/AEC	TS Deviation	ADEV	ANB
SITE AREA EMERGENCY	SIT/AEC	4-Hr. Non-Emergency 10 CFR 50.72(b)(2)	(v)(B) RHR Capability	AIC
ALERT	AL/AEC	(i) TS Required SD	ASHU	AID
UNUSUAL EVENT	UN/AEC	(iv)(A) ECCS Discharge to RCS	ACCS	AME
50.72 NON-EMERGENCY	(see next columns)	(iv)(B) RPS Actuation (scram)	ARPS	ACOM
PHYSICAL SECURITY (72.71)	DDDD	(x) Offsite Notification	APRE	60-Day Optional 10 CFR 50.73(a)(1)
MATERIAL EXPOSURE	E777	8-Hr. Non-Emergency 10 CFR 50.72(b)(3)	(v)(C) Control of Rad Release	AIV
FITNESS FOR DUTY	HFT	(ii)(A) Degraded Condition	ADEG	Other Unspecified Requirement (Identify)
OTHER UNSPECIFIED REQMT.	(see last column)	(ii)(B) Unanalyzed Condition	ALNA	✓ 10 CFR 21.21(d)(3)(i) NONR
INFORMATION ONLY	NMF	(v)(A) Specified System Actuation	AESP	NONR

**DESCRIPTION**

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

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No actual safety consequences resulted from this condition because the GE-CR 120B relays were not installed in the plant in this safety significant application.

The Senior Resident Inspector was notified.

NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD?	<input type="checkbox"/> YES (Explain above)	<input checked="" type="checkbox"/> NO
NRC RESIDENT	✓					
STATE(s)		✓		DID ALL SYSTEMS FUNCTION AS REQUIRED?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO (Explain above)
LOCAL		✓				
OTHER GOV AGENCIES		✓		MODE OF OPERATION UNTIL CORRECTED: N/A	ESTIMATED RESTART DATE: N/A	ADDITIONAL INFO ON BACK
MEDIA/PRESS RELEASE		✓				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO