

Power Reactor

Event # 50166

Site: WATTS BAR		Notification Date / Time: 06/03/2014 14:15 (EDT)	
Unit: 2	Region: 2	State : TN	Event Date / Time: 06/03/2014 (EDT)
Reactor Type: [1] W-4-LP,[2] W-4-LP		Last Modification: 06/03/2014	
Containment Type: ICE COND			
NRC Notified by: JIM O'DELL		Notifications: SCOTT FREEMAN R2DO	
HQ Ops Officer: CHARLES TEAL		OMID TABABAI NRO	
Emergency Class: NON EMERGENCY		PART 21/50.55 GROUP EMAIL	
10 CFR Section:			
50.55(e)		CONSTRUCT DEFICIENCY	

Unit	Scram Code	RX Crit	Init Power	Initial RX Mode	Curr Power	Current RX Mode
2	N	No	0	Under Construction	0	Under Construction

WATTS BAR UNIT 2 POTENTIALLY DEFECTIVE FUSES INSTALLED

"WBN [Watts Bar Nuclear] Unit 2 (under construction) determined that Littelfuse Part Number FLAS005.T fuses manufactured under three date codes are potentially susceptible to nuisance opening according to Littelfuse letter dated April 30, 2014. Littelfuse Part Number FLAS005.T fuses are commercial grade and dedicated by TVA for use as a basic component in safety related systems. No confirmed examples have been identified that would have created a substantial safety hazard at this time. The potentially defective fuses were purchased for WBN Unit 2 and have been installed on WBN Unit 2 only. No potentially defective fuses have been installed on WBN Unit 1, SQN [Sequoyah] Units 1 or 2, or BFN [Browns Ferry Nuclear] Units 1, 2, or 3. At this time, there is no safety significance because fuel has not been loaded on WBN Unit 2. Installed and potentially defective Part Number FLAS005.T fuses will be replaced prior to obtaining a WBN Unit 2 Operating License. This issue has been documented in TVA's corrective action program as Problem Evaluation Report 878252 and is being conservatively reported by WBN Unit 2 under 10 CFR 50.55(e)."

The licensee has notified the NRC Resident Inspector.

TE19
NRR

**REACTOR PLANT
EVENT NOTIFICATION WORKSHEET**

EN #

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 -----	FACILITY OR ORGANIZATION Watts Bar Nuclear Plant	UNIT 2	NAME OF CALLER Jim O'Dell	CALL BACK # See below.
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EVENT TIME & ZONE N/A	EVENT DATE 4/30/2014	POWER/MODE BEFORE N/A	POWER/MODE AFTER N/A
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EVENT CLASSIFICATIONS		1-Hr. Non-Emergency 10 CFR 50.72(b)(1)		<input type="checkbox"/>	(v)(A) Safe S/D Capability	AINA
<input type="checkbox"/> GENERAL EMERGENCY	GEN/AAEC	<input type="checkbox"/> TS Deviation	ADEV	<input type="checkbox"/>	(v)(B) RHR Capability	AINB
<input type="checkbox"/> SITE AREA EMERGENCY	SIT/AAEC	4-Hr. Non-Emergency 10 CFR 50.72(b)(2)		<input type="checkbox"/>	(v)(C) Control of Rad Release	AINC
<input type="checkbox"/> ALERT	ALE/AAEC	<input type="checkbox"/> (i) TS Required S/D	ASHU	<input type="checkbox"/>	(v)(D) Accident Mitigation	AIND
<input type="checkbox"/> UNUSUAL EVENT	UNU/AAEC	<input type="checkbox"/> (iv)(A) ECCS Discharge to RCS	ACCS	<input type="checkbox"/>	(xii) Offsite Medical	AMED
<input type="checkbox"/> 50.72 NON-EMERGENCY (see next columns)		<input type="checkbox"/> (iv)(B) RPS Actuation (scram)	ARPS	<input type="checkbox"/>	(xiii) Loss Comm/Asmt/Resp	ACOM
<input type="checkbox"/> PHYSICAL SECURITY (73.71)	DDDD	<input type="checkbox"/> (xi) Offsite Notification	APRE	60-Day Optional 10 CFR 50.73(a)(1)		
<input type="checkbox"/> MATERIAL/EXPOSURE	B???	8-Hr. Non-Emergency 10 CFR 50.72(b)(3)		<input type="checkbox"/>	Invalid Specified System Actuation	AINV
<input type="checkbox"/> FITNESS FOR DUTY	HFIT	<input type="checkbox"/> (ii)(A) Degraded Condition	ADEG	Other Unspecified Requirement (Identify)		
<input type="checkbox"/> OTHER UNSPECIFIED REQMT. (see last column)		<input type="checkbox"/> (ii)(B) Unanalyzed Condition	AUNA	<input checked="" type="checkbox"/>	10CFR50.55(e)	NONR
<input type="checkbox"/> INFORMATION ONLY	NINF	<input type="checkbox"/> (iv)(A) Specified System Actuation	AESF	<input type="checkbox"/>		NONR

DESCRIPTION

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

WBN Unit 2 (under construction) determined that Littelfuse Part Number FLAS005.T fuses manufactured under three date codes are potentially susceptible to nuisance opening according to Littelfuse Letter dated April 30, 2014. Littelfuse Part Number FLAS005.T fuses are commercial grade and dedicated by TVA for use as a basic component in safety related systems. No confirmed examples have been identified that would have created a substantial safety hazard at this time. The potentially defective fuses were purchased for WBN Unit 2 and have been installed on WBN Unit 2 only. No potentially defective fuses have been installed on WBN Unit 1, SQN Units 1 or 2, or BFN Units 1, 2, or 3. At this time, there is no safety significance because fuel has not been loaded on WBN Unit 2. Installed and potentially defective Part Number FLAS005.T fuses will be replaced prior to obtaining a WBN Unit 2 Operating License. This issue has been documented in TVA's corrective action program as Problem Evaluation Report 878252 and is being conservatively reported by WBN Unit 2 under 10 CFR 50.55(e).

Licensing Contacts:

Jim Odell (423) 365-3818
Gordon Arent (423) 365-2004
Tom Metzler (423) 365-7754

Technical Contact:

Steve Hilmes (423) 365-3286

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

REACTOR PLANT EVENT NOTIFICATION WORKSHEET (CONTINUED)

ADDITIONAL INFORMATION

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

<input type="checkbox"/> LIQUID RELEASE	<input type="checkbox"/> GASEOUS RELEASE	<input type="checkbox"/> UNPLANNED RELEASE	<input type="checkbox"/> PLANNED RELEASE	<input type="checkbox"/> ONGOING	<input type="checkbox"/> TERMINATED
<input type="checkbox"/> MONITORED	<input type="checkbox"/> UNMONITORED	<input type="checkbox"/> OFFSITE RELEASE	<input type="checkbox"/> T. S. EXCEEDED	<input type="checkbox"/> RM ALARMS	<input type="checkbox"/> AREAS EVACUATED
<input type="checkbox"/> PERSONNEL EXPOSED OR CONTAMINATED		<input type="checkbox"/> OFFSITE PROTECTIVE 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 uCi/sec			0.01 Ci
Particulate			1 uCi/sec			1 mCi
Liquid (excluding tritium and dissolved noble gases)			10 uCi/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 (Continued from front)