

Part 21 (PAR)

Event # 51298

Rep Org: SEQUOYAH		Notification Date / Time: 08/07/2015 15:48 (EDT)	
Supplier: WESTINGHOUSE ELECTRIC COMPANY		Event Date / Time: 10/23/2013 12:00 (EDT)	
Last Modification: 08/07/2015			
Region: 1	Docket #:		
City: SODDY-DAISY	Agreement State:	Yes	
County:	License #:		
State: TN			
NRC Notified by: JOHN ALEXANDER		Notifications: ANTHONY MASTERS	R2DO
HQ Ops Officer: DONG HWA PARK		PART 21/50.55 REACTORS	EMAIL
Emergency Class: NON EMERGENCY			
10 CFR Section:			
21.21(d)(3)(i)	DEFECTS AND NONCOMPLIANCE		

PART 21 - DAMAGED SURVEILLANCE CAPSULES

"In April 2015, during Sequoyah Nuclear Plant Unit 1 End of Cycle 20 refueling outage, the Tennessee Valley Authority (TVA) identified that there was unanticipated damage to the 'S' and 'W' surveillance capsules that were located within the reactor pressure vessel. Inspections determined that the surveillance capsules were not contained within the intact designated baskets. TVA conducted an extensive foreign object search and recovery initiative to recover the specimen capsule contents prior to concluding the refueling outage.

"During the October 2013 Sequoyah Unit 1 refueling outage, the Westinghouse Electric Company (WEC) relocated the above referenced surveillance capsules in accordance with Westinghouse procedure MRS-SPP-2970. The procedure specified the requirements for performing specimen capsule relocations. WEC created a deviation when an inadequate procedure referenced in the applicable purchase order, which did not ensure proper seating of the sample capsule, was used at Sequoyah Nuclear Plant Unit 1.

"TVA considers the above condition to be reportable pursuant to 10 CFR 21.21 as a defect associated with a condition that, if uncorrected, could have created a substantial safety hazard."

"The NRC Resident Inspector and the vendor were notified."

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NRC EVENT NOTIFICATION WORKSHEET

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NRC EVENT NOTIFICATION WORKSHEET				U.S. NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER EN # 51298			
NRC OPERATION TELEPHONE NUMBER: PRIMARY - 301-816-5100 OR 800-532-3469, BACKUP - [1st] 301-951-0500 or 800-449-3694 [2nd] 301-415-0550 AND [3rd] 301-415-0553							
NOTIFICATION TIME 1548 EDT		FACILITY OR ORGANIZATION Sequoyah		UNIT 1	NAME OF CALLER John Alexander		CALL BACK # 423-843-6211
EVENT TIME & ZONE 1200 EDT		EVENT DATE 10/23/2013	POWER/MODE BEFORE 100% / Mode 1			POWER/MODE AFTER 100% / Mode 1	
EVENT CLASSIFICATIONS			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"/>	PHYSICAL SECURITY (73.71)	DDDD	<input type="checkbox"/>	(xi) Offsite Notification	APRE	<input type="checkbox"/>	(xiii) Lost Comm/Asmt/Resp ACOM
<input type="checkbox"/>	MATERIAL/EXPOSURE	B???	8-Hr Non-Emergency 10 CFR 50.72(b)(3)			60-Day Optional 10 CFR 50.73(a)(1)	
<input type="checkbox"/>	FITNESS FOR DUTY	HFIT	<input type="checkbox"/>	(ii)(A) Degraded Condition	ADEG	<input type="checkbox"/>	Invalid Specified System Actuation AINV
<input checked="" type="checkbox"/>	Other Unspecified Reqmt.	(see last column)	<input type="checkbox"/>	(ii)(B) Unanalyzed Condition	AUNA	<input checked="" type="checkbox"/>	Other Unspecified Requirement (Identify) 10 CFR 21.21 NONR
<input type="checkbox"/>	INFORMATION ONLY	NINF	<input type="checkbox"/>	(iv)(A) Specified System Actuation	AESF	<input type="checkbox"/>	NONR
DESCRIPTION							
<p>Include: Systems affected, actuations & their initiating signals, causes, effect of event on plant, actions taken or planned, etc. (Continue on page 2)</p> <p>In April 2015 during Sequoyah Nuclear Plant Unit 1 End of Cycle 20 Refueling Outage, The Tennessee Valley Authority (TVA), identified that there was unanticipated damage to the "S" and "W" surveillance capsules that were located within the Reactor Pressure Vessel. Inspections determined that the surveillance capsules were not contained within the intact designated baskets. TVA conducted an extensive Foreign Object Search and Recovery initiative to recover the specimen capsule contents prior to concluding the refueling outage.</p> <p>During the October 2013 Sequoyah Unit 1 refueling outage, the Westinghouse Electric Company (WEC) relocated the above referenced surveillance capsules in accordance with Westinghouse procedure MRS-SPP-2970. The procedure specified the requirements for performing specimen capsule relocations. WEC created a deviation when an inadequate procedure referenced in the applicable purchase order, which did not ensure proper seating of the sample capsule, was used at Sequoyah Nuclear Plant Unit 1.</p> <p>TVA considers the above condition to be reportable pursuant to 10 CFR 21.21 as a defect associated with a condition that, if uncorrected, could have created a substantial safety hazard.</p> <p>The NRC Resident Inspector and the vendor were notified.</p>							
NOTIFICATIONS		YES	NO	WILL BE	Anything Unusual or Not Understood?		
NRC RESIDENT		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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?		
LOCAL		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No(Explain above)		
Other Gov Agencies		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mode of Operation Until Corrected: 1		Estimated Restart Date: N/A
Media/Press Release		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Additional INFO on page 2? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

NRC EVENT NOTIFICATION WORKSHEET
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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 & dissolved noble gases)			10 uCi/min			0.1 Ci
Liquid (tritium)			0.2 Ci/min			5 Ci
Total Activity						
	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 & UNITS	PRIMARY -	SECONDARY -		
LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL						
EVENT DESCRIPTION (Continued from page 1)						