DUKE POWER COMPANY OCONEE UNIT 1

Report Number: RO-269/78-20 Report Date: September 29, 1978 Occurrence Date: August 29, 1978 Facility: Oconee Unit 1, Seneca, South Carolina Identification of Occurrence: Reactor Building Cooling Unit Discharge

Condition Prior to Occurrence: 57% Full Power

## Description of Occurrence:

On August 29, 1978, motor operated Engineered Safeguard (ES) valve LPSW-21 was determined to be inoperable in the closed position with the position indicator showing the valve in the intermediate position. Valve LPSW-21 is the cooling water discharge valve for the Reactor Building Cooling Unit (RBCU) 1B. The valve was inspected and the limit switch position indicator was adjusted to give proper position indication. However, the valve still did not operate so the motor operator was removed from service to allow mechanical disassembly. No problems were found that would cause the motor operator not to operate. The valve and operator were reassembled, installed, and verified to be operable.

Valve Inoperable.

## Apparent Cause of Occurrence:

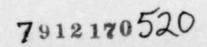
The limit switch was found to be out of adjustment and was corrected. The probable cause of the inoperable valve was the motor operator's clutch lever not fully engaging the gearing in the motor mode. The valve operated in the manual (handwheel) mode and the motor operator operated when removed from the valve.

## Analysis of Occurrence:

There are three trains of Reactor Building cooling installed in Oconee Unit 1. Specification 3.3.4 requires all three operable if the reactor is critical. However, Specification 3.3.6 allows a seven day maintenance period on one RBCU under certain conditions. These conditions were met in that the reactor building spray systems were fully operable and available to mitigate the consequences of any postulated accident. Thus the health and safety of the public were assured.

## Corrective Action:

The valve's limit switch was adjusted to indicate the valve's proper position. The motor operator was completely inspected to assure proper operation. After reassembly, the entire valve operator assembly was satisfactorily tested. No parts were replaced during the inspection of this valve.



NRC FORM 366 (7-77)

651.

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U. S. NUCLEAR REGULATORY COMMISSION

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	LICENSEE EV	ENT REPORT	EXHIBIT A
CONTROL BLOCK:		PLEASE PRINT OR TYPE ALL RE	UIRED INFORMATION
O 1 S C N EE			1 1 1 1 0 5 57 CAT 5
DUNT REPORT LLS	1 510 10 101 216 19 0	0 18 12 191 718 80	19 2 9 7 8 9
	PROBABLE CONSEQUENCES		
0 2   During steady	state operation, valve	LPSW-21 (RBCU IB coo	ling water
	re) failed to operate pr		as closed but
Indicated inte	rmediate. The valve wo	ould not operate in t	he motor mode, but
		edundant trains of RB	
able, as well	as building spray. No	adverse effects to	the public could
result.			
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		18 19	
17 AEMAN EN LEA/RO LEA/RO LA 10 10 10 10 10 10 10 10 10 10 10 10 10	ALE COLOR TAL		
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CAUSE DESCRIPTION AN	CORRECTIVE ACTIONS (27)	40 41 0 42	
	ause was a misalignment	the gearing between	the valve and its
Dill operator. No	problems were discovere	ed during inspections	of both components.
The valve and	motor were reassembled	and proper operation	was verified.
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ACTIVITY CONTENT	AMOUNT OF ACTIVITY 35	4	OF RELEASE 36
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	065CRIFTION (39)		
	non (1)		
LOSS OF OR DAMAGE TO FACT			
1 S Z 42 NA			
ISSUED DESCRIPTION (45)			NRC USE ONLY
Z O N O NA			
NAME OF PREPA	RER K. R. Wilson	PHONE:	704) 373-8197

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