

PERRY NUCLEAR POWER PLAN1

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Michael D. Lyster VICE PRESIDENT - NUCLEAR

May 22, 1992 PY-CEI/NRR-1501 L

U.S. Nuclear Regulatory Commission Document Control Desk Washington, D.C. 20555

> Perry Nuclear Power Plant Docket No. 50-440 LER 92-009

Dear Sir:

Enclosed is Licensee Event Report 92-009 for the Perry Nuclear Pover Plant.

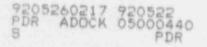
Sincerely,

Michael D. Lyster

MDL:RWG:ss

Enclosure: LER 92-009

cc: NRC Project Manager NRC Sr. Resident Inspector NRC Region III



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On April 25, 1992, a review of active Limiting Condition for Operation (ALCO) entries revealed that the Control Room Heating, Ventilation and Air Conditioning "stem (CRHVAC: M25/26) was operated in the "Normal" mode of operation vice the "Isolation" mode required by Technical Specification (T.S.) 3.3.7.1, Radiation Monitoring Instrumentation. At the time of the event, the plant was in the sixth week of the current refueling outage. The Control Room Ventilation Radiation Monitor logic had previously been disabled on March 30, 1992 to support CRHVAC modification and testing activities. The CRHVAC System had been placed in the isolation mode at that time to comply with applicable Action requirements of T.S. 3.3.7.1. The ALCO review determined that the T.S. Action Statement requirement had been violated on April 24. 1992 and again on April 25, 1992 when the M25/26 system was operated in the Normal mode prior to restoring operability to the Control Room Ventilation Radiation Monitor. During a subsequent investigation, it was discovered that additional violations of the T.S. 3.3.7.1 Action Statement requirements had occurred. The cause of this event is attributed to personnel error. Incorrect assumptions regarding the correlation between the Action requirements of T.S. 3.3.7.1 and T.S. 3.7.2 (Control Room Emergency Recirculation System) significantly contributed to this event.

As corrective action for this event, licensed and non-licensed personnel will review the specific details of the event to preclude a similar occurrence. Additionally, the Technical Specification action requirements involved will be evaluated for potential revision.

NHC FORM 3864. (6-80)	AN 386A U.S. NUCLEAR REGULATORY COMMISSIO		
LICENSEE EVENT REI T2XT CONTINUA		ESTIMATED BURDEN PER RESPONSE INFORMATION ODLLECTION REDUEST COMMENTS REGARDING BURDEN ESTI AND REPORTS MANAGEMENT BRANCI REDULATORY ODMMISSION WABHING THE FARERWORK REDUCTION PROJE DF MANAGEMENT AND BUDGET WASH	HATE TO THE RECORDS I (P.530), U.S. NUCLEAR TON DC 20555, AND TO CT (3150-3104) OFFICE
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I. Introduction

On April 25, 1992, at approximately 0148 hours, the Control Room Heating, Ventilation, and Air Conditioning System (CRHVAC: M25/26) [VI] was operated in the "Normal" mode vice the "Isolation" mode, thereby violating the applicable Technical Specification Limiting Condition for Operating (LCO) Action requirements. At the time of the event, the plant was in Operational Condition 5 (shutdown) with the reactor coolant temperature at 82 degrees. This event is being reported pursuant to the requirements of 10CFR50.73(a)(2)(i)(B).

II. Event Description

The CRHVAC system had been placed in the Emergency Recirculation/Isolation mode on March 30, 1992 due to the disabling of the logic associated with the Control Room Ventilation Radiation Monitor. This mode of operation was required to satisfy the LCO Action requirements of T.S. 3.3.7.1.b, Action 72. The radiation monitor had been disabled to support an extensive modification of the CRHVAC System. It was later determined that the CRHVAC had been operated in Normal on April 24, 1992 as part of the post-modification testing under Temporary Instruction (TXI)-140, "M25/26 Design Change Package (DCP) 91-0028 Retest." At 0148 hours on April 25, 1992, Train A of the CRHVAC System was shifted to the Normal operating mode from the Emergency Recirculation mode in preparation for a Division 1 Loss of Offsite Pover (LOOP) test. At 1124 hours on April 25, 1992, a Unit Supervisor performing a review of active LCO information noted that the Action Requirements for the LCO specified that the CRHVAC System be maintained in the Emergency Recirculation/Isolation mode vice the Normal mode. The CRHVAC system was immediately returned to the Emergency Recirculation mode. A surveillance test was subsequently performed to restore operability to the Control Room Radiation Monitor. At 1457 hours on April 25, 1992, the Control Room Radiation Monitor was declared operable.

During the follow-up investigation of this event, it was determined that additional violations of the LCO for the inoperable Control Room Ventilation Radiation Monitor had occurred. During the period from April 19, 1992 to April 25, 1992, several doors had been opened to allow fresh air into the Control Room area while the modification referenced above was in progress. The opening of these Control Room envelope barriers was controlled under an additional LCO (ALCO 92-431) for the Control Room Emergency Recirculation System. All action requirements for this LCO were satisfied and appropriately documented. There were no core alterations, fuel handling activities, or evolutions with a potential for draining the reactor vessel in progress during the period when the Control Room doors were open.

III. Cause Analysis

This evrit is attributed to personnel error. The LCO Action statement for the inoperable Control Room Radiation Monitor had been in effect for approximately three weeks when the Action Statement requirements were violated.

NRC FORM 366A (6-58)	U.S. NUCLEAR REGULATORY COMMISS	APPROVED DMB ND 2180 0104			
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Perry Nuclear Power Plant, Unit	1 0 5 0 0 0 4 4	092-009-0003000			
on an Active LCO Tracking S radiation monitor was disab adequate description of the s tion requirements. An add April 19, 1992, after comple- control room barriers to be Control Room. It was incorrectly assumed for both LCOs were identica functions as a support syste- not noted during subsequent the work in progress. Technical Specification Act System) states: "With both control ro- inoperable, suspend C in the Fuel Handling	heet (ALCO 92-411) on 1 led. The Active LCO To reason for the LCO and ditional Active LCO To eting core alterations opened as necessary to that the Technical Spe- 1 since the Control Roo em for the CRHVAC syste reviews of the LCOs of	racking Sheet contained an d included all the associated acking Sheet was initiated on , for the purpose of allowing o provide fresh air into the cification Action requirements om Ventilation Radiation Monitor em. This cognitive error was r associated documentation for Room Emergency Recirculation tion subsystems ing of irradiated fuel ry containment, and			
monitoring support system is the monitor is not restored operation of the Control Roy thereby making the action re than the requirements for th T.S. requirements is conside As part of the shift turnove	s inoperable, T.S. 3.3 within 7 days, the pla om emergency filtration equirements for the sup he supported system. ared a contributing rad er for Control Room ope	erators, all active LCOs are			
the LCO associated with the	Control Room Radiation ufficient attention to	hnical Specifications. Although n Monitor had been reviewed by detail was not paid to the LCO ch occurred.			
IV. Safety Analysis					
atmosphere for and noble gas habitability as required by	s activity in order to 10CFR50, Appendix A, (the monitor initiates	ed to monitor the Control Room maintain Control Room Criterion 19. Upon detection of a signal to isolate the Control			

NRC For: - 388A (5-89)

NRC FORM JREA 1640	U.S. MUCLEAR REQULATORY COMMISSION	APPROVED DMB ND. 3160-0104		
	EXPIRES 4/30/92 ERTIMATED BUNDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST SDO NRS. FORWARD COMMENTS REGARDING BUNDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P.SID) U.S. MUCLEAR HEQULATORY COMMISSION WASHINGTON OC 20665 AND TO THE PARENWERK REDUCTION PROJECT (3160-0104) DFFICE OF MENAGEMENT AND BUDGET WASHINGTON. OC 20603			
LICENSEE EVENT REPOR TEXT CONTINUATION				
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The following actions are requi monitor is inoperable:	ired by the Technical	Specifications when this		
1. Assure a portable continu Radiation Monitor is oper	ous noble gas monitor able in the Control R	or the Control Room Area com within 24 hours.		
2. Restore the inoperable mo	nitor to operable sta	tus within 7 days.		
		and maintain operation of the solution mode of operation		
The above requirements had been with the LCO action requirement Recirculation System) had been applicable (April 19-25, 1992) for the system are not comproming radiation exposure for personn limits during design basis acc	ts for T.S. 3.7.2.b (maintained for the d . These action requi ised; including the r el occupying the Cont	Control Room Emergency uration for which the LCO was rements ensure that the bases equirement for maintaining		
Fuel handling activities in th 1992. Since the plant had bee handling activities occurred d event are not considered to be	n shutdown for an ext uring the interim per	ended period and no fuel		
No previous events were identi System with the radiation moni	fied involving improp toring isolation func	er operation of the CRHV/C tion disabled.		
V. Corrective Actions				
Upon discovery of the violation operability of the Control Roo actions to prevent recurrence, receive training on the lesson when reviewing Technical Speci- the training. Additionally, t with the inoperable Control Ro- for potential revision to reco	m Ventilation Radiati all licensed and non s learned from this e fication LCO requirem he Technical Specific om Ventilation Radiat	on Monitor. For corrective n-licensed operators will event. Attention to detail ments will be emphasized during cation requirements associated ion Monitor will be evaluated		
Energy Industry Identification	System Codes are ide	mtified in the text as [XX],		