

COOPER NUCLEAR STATION P.O. BOX 98, BROWNVILLE, NEBRASKA 66321 TELEPHONE (402)825-3811 FAX (402)825-5205

NLS950245

December 26, 1995

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

Dear Sir:

Cooper Nuclear Station Licensee Event Report 95-019 is forwarded as an attachment to this letter.

Powerful Pride in Nebraska

Sincerely,

Stiller A. T. Herron Plant Manager

/bv

Attachment

cc: L. J. Callan G. R. Horn J. H. Mueller R. G. Jones R. A. Sessoms K. C. Walden N. E. Champlin INPO Records Center NRC Resident Inspector W. Turnbull CNS Training CNS Quality Assurance

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Control Room Emergency Filter System Inoperability Due to Unavailability of Emergency Diesel Generator. EVENT DATE (5) LER NUMBER (6) REPORT DATE (7) OTHER FACILITIES INVOLVED (8) MONTH DAY YEAR SEQUENTIAL REVISION MONTH DAY YEAR DOCKET NUMBER 11 D4Y YEAR SEQUENTIAL REVISION MONTH DAY YEAR DOCKET NUMBER 11 D4 YEAR SEQUENTIAL REVISION MONTH DAY YEAR DOCKET NUMBER 11 D4 95 95 - 019 - 00 12 26 95 FACILITY NAME DOCKET NUMBER 0PERATING N THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more) (11) 20.2203(a)(2)(h) 20.2203(a)(2)(h) 20.2203(a)(2)(h) 50.73(a)(2)(h) <	NRC FORM (4-95)		(Se	SEE EVE e reverse fo igits/charac	or required	PORT (number	(LER)	COMM	ISSION	COLLECT THE LICE BURDEN U.S. NUC PAPERW	ED BURDEN F ON REQUEST NSING PROCES ESTIMATE TO LEAR REGULA	ER RESPONSE TO CC 50.0 HRS. REPORTED 5 AND FED BACK TO I THE INFORMATION AN TORY COMMISSION, ON PROJECT (3150-0	04/30/9 MPLY WITH LESSONS LE NOUSTRY FO ID RECORDS I WASHINGTO	8 THIS MANDA ARNED ARE I DRWARD COM MANAGEMEN N. DC 2055	TORY INFORMATIC NCORPORATED IN IMENTS REGARDIN T BRANCH (T-6 F3)	
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COOPER NUCLEAR STATION		05000298	95	019	00	2	OF	3

TEXT (If more space is required, use additional copies of NRC Form 366A) (17)

PLANT STATUS

The plant was in a scheduled refueling outage (RE16). The Reactor Mode Switch [EIIS: HS] in REFUEL with Reactor Pressure Vessel (RPV) [RPV] reassembly in progress following the completion of refueling.

EVENT DESCRIPTION

Cooper Nuclear Station (CNS) Technical Specification (TS) 3.12.A.1 requires that the Control Room Emergency Filter System (CREFS) [VI] (and its associated diesel generator (DG) [DG]) be operable whenever Secondary Containment [NG] Integrity is required. Secondary Containment Integrity had been established per the Technical Specifications to support refueling floor activities. On November 22, 1995, DG2 was taken out of service as part of pre-planned maintenance. However, this was performed without manually transferring power for the CREFS Exhaust Booster Fan [FAN] and Emergency Booster Fan to DG1, leaving the fans powered by offsite power [FK] solely. On November 24, 1995, this condition was recognized and CREFS was declared inoperable. Although operability was restored within the seven days allowed by T.S. 3.12.A.2, CREFS is a single train system that is credited with mitigating the design basis fuel handling accident. The CREFS inoperability was not planned as part of the scheduled DG2 maintenance. Accordingly, a 4hour ENS notification was made that day to the NRC Operations Center pursuant to the requirements of 10CFR50.72(b)(2)iii.

SAFETY SIGNIFICANCE

CREFS is credited with mitigating the consequences of a refueling accident. A refueling accident is postulated: a) when handling irradiated fuel in the Secondary Containment, or b) when handling loads that could potentially damage irradiated fuel in the Secondary Containment. During the period of inoperability no fuel handling was taking place; however, the Steam Dryer [DRY] and RPV Head were being reinstalled. A May 1993 study for CNS by General Electric concluded that dropping the RPV head, Steam Separator [MSR], or Steam Dryer during RPV disassembly/reassembly would not cause damage to irradiated fuel in the reactor [RCT]. Therefore, the safety significance of this event with respect to the refueling floor activities that actually occurred is considered minimal.

CNS recognizes that the potential existed for this type of event to occur during periods of greater safety significance (such as fuel movements). This is mitigated to a degree by the normal availability of offsite power to CREFS.

CAUSE

This condition occurred because Control Room personnel failed to ensure that CREFS remained configured with an operable divisional emergency power source in the midst of scheduled divisional power inoperability. However, a contributing factor was a maintenance scheduling error which resulted in not sequencing the related outage activities in the manner that had been intended to preclude the potential for this condition.

NRC FORM 366A			U.S. NUCLEAR REGULAT	ORY COMMISSIC
14-95)	LICENSE	E EVENT REPORT (1	(ER)	
		TEXT CONTINUATION		
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CORRECTIVE	ACTION			
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1. iraining	g will be conducted with op	peracions personnel o	in this reportable occu	irrence.
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alert th	Outage kisk Assessment and ne user when the operabilit service. This will provide	y of CREFS is affect	ed by taking a diesel	generator
SIMILAR EVE	NTS			
LER 93-001	Potential For Insufficien Due To Design Discrepanci Cooling Systems.			
LER 93-007	ECCS Pump Compartment Coo Prevented Adequate Contai		ign Deficiencies Could	l Have

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	LIST	OF	NRC	COMMITMENTS	ATTACHMENT	3
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Correspondence No: NLS950245

The following table identifies those actions committed to by the District in this document. Any other actions discussed in the submittal represent intended or planned actions by the District. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Licensing Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

COMMITMENT	COMMITTED DATE OR OUTAGE
Training will be conducted with Operations personnel on this reportable occurrence.	None
The Control Room's Technical Specification tracking system will be modified to better identify to the Shift Supervisor when the removal of a diesel generator from service may impact the operability of CREFS.	None
The CNS Outage Risk Assessment and Management software will be adjusted to promptly alert the user when the operability of CREFS is affected by taking a diesel generator out of service.	None