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November 20, 1998

JMHLTR: #98-0290

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

Dresden Nuclear Power Station, Unit 2  
Facility Operating License No. DPR-19  
NRC Docket No. 50-237

Subject: Supplement to High Pressure Coolant Injection Declared Inoperable Due to Water in Lube Oil Reservoir From Lube Oil Cooler Tube Leakage Licensee Event Report 1996-018-01

The enclosed Licensee Event Report, which is a final report, describes a tube leak in the Lube Oil Cooler for the High Pressure Coolant Injection System which may have prevented the system from performing its intended function. This condition is being reported pursuant to 10CFR50.73(a)(2)(v)(D) which requires that the licensee report any event or condition that alone could have prevented the fulfillment of the safety function of structures or systems that are needed to mitigate the consequences of an accident.

The following actions were taken:

The lube oil heat exchanger was disassembled, inspected, and repaired. Four tubes were found to have leaks and plugged. The water-contaminated oil was removed and replaced. The system was flushed to remove any moisture and the oil sampled. (Complete)

The Unit 3 HPCI lube oil heat exchanger tube side was drained and internally inspected. This was performed on December 6, 1996, utilizing a boroscope. The tube side inlet cavity and the interface of the head and partition plate were inspected. No abnormalities were detected on the Unit 3 heat exchanger. There has not been any indication of a tube leak on the Unit 3 heat exchanger. (Complete)

Both Unit 2 and Unit 3 HPCI lube oil heat exchangers were placed in the Station's heat exchanger reliability program. This will insure that the heat exchangers are monitored in a systematic and cost effective way to assure their operation for the life of the respective unit. (Complete)

The Unit 3 heat exchanger was disassembled and inspected during refueling outage D3R14. All testing and inspections were satisfactory. (Complete)

The Unit 2 heat exchanger was disassembled during refueling outage D2R15, and inspected. Sixteen tubes were replaced. (Complete)

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Due to previously identified FME problems from historical maintenance practices, various Unit 3 systems and components were inspected during D3R14 for FME intrusion. (Complete)

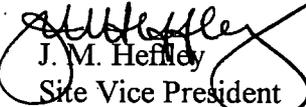
A preventive maintenance task has been established to flush the HPCI system heat exchangers (lube oil cooler and gland seal leak off condenser) on a periodic basis to prevent conditions that are conducive to the formation of a corrosive environment. (Complete)

This correspondence contains the following commitment:

The need for a process to ensure that the HPCI system heat exchangers are adequately maintained during prolonged lay-up or outage periods when flushing is not possible will be evaluated and implemented as necessary. This process will be consistent with lay-up requirements for other heat exchangers at the station. (NTS #2371809601805S1).

If you have any questions, please contact Frank Spangenberg, Dresden Regulatory Assurance Manager at (815) 942-2920 extension, 3800.

Sincerely,

  
J. M. Heffley  
Site Vice President  
Dresden Nuclear Power Station

Enclosure

cc: Regional Administrator, Region III  
NRC Resident Inspector's Office