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Resident Manager

May 11, 1992
JAFP-92-0316

United States Nuclear Regulatory Commission
Document Control Desk
Mail Station P1-137
Washington, D.C. 20555

SUBJECT: DOCKET NO. 50-333, ELECTRIC FIRE PUMP INOPERABILITY

Dear Sir:

The New York Power Authority (NYPA) submits the following special report to address inoperability of a fire pump for more than 7 days.

The event requires that a 30-day special report be submitted in accordance with Technical Specifications 3.12.A.1.c and 6.9.B.2.

Summary of Event

Electric driven fire pump 76P-2 was out of service for approximately 16 days and 5 hours due to extended overhaul time.

Description of the Event and Corrective Action

On April 6, 1992 at 0412 hours electric driven fire pump 76P-2 was declared inoperable in order to perform maintenance on the electric motor. The diesel engine driven fire pump 76P-1, which is functionally redundant, was operable during this period. A third fire pump 76P-4, which is also diesel engine driven and automatically actuates upon decreasing pressure, was available during this period. No credit is taken for this pump in any analysis and the requirements of Technical Specifications do not apply.

The electric motor was removed and shipped offsite for overhaul on April 17, 1992 to determine the location of (and repair) an oil leak on the lower bearing area.

The vendor disassembled, cleaned and overhauled the motor but was unable to find the cause of the oil leak due to its size. During the post maintenance test of the motor the leak was determined to result from a crack in the lower bearing backer area.

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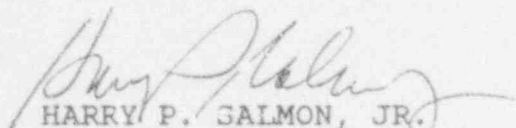
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TO: United States Nuclear Regulatory Commission May 11, 1992
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INOPERABILITY

Subsequently the vendor ordered repair parts, disassembled, repaired and reassembled the motor. The repair required welding and machining of the new bearing backer. The motor was then tested, found satisfactory and returned to the plant site on April 15, 1992.

During the installation of the motor on April 17, 1992 a QC hold was placed on the wiring of the motor space heater. The wiring installation failed to include flat washers and lockwashers which were required by the procedure. The tags were removed from the motor and the pump was made available but not operable on April 17, 1992 @0515 while the problem was being resolved. The motor was re-tagged on April 21, 1992 @2100 to rewire the motor space heater. The motor and pump were released to operations for testing on April 22, 1992. The Operations surveillance test was performed and the pump was declared operable on April 22, 1992 at 0915.

In summary, the pump was out of service for 16 days 5 Hours and 3 minutes due to a difficulty in locating and correcting an oil leak on the lower motor bearing and a QC hold with regard to an electrical wiring procedure. During this time the pump was available for 4 days 15 hours and 15 minutes. No additional problems associated with these conditions are anticipated that will require declaring the electric fire pump 76P-2 inoperable.


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