

UNION ELECTRIC COMPANY

1301 GRATIOT STREET
ST. LOUIS, MISSOURI

March 30, 1984

DONALD F. SCHNELL
VICE PRESIDENT

MAILING ADDRESS:
P. O. BOX 149
ST. LOUIS, MISSOURI 63166

Mr. James G. Keppler
Regional Administrator
USNRC
Region III
799 P osevelt Road
Glen Ellyn, IL 60137

Dear Mr. Keppler:

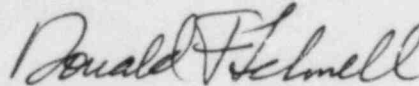
ULNRC -781

INTERIM 10CFR50.55(e) REPORT U-75
POTENTIAL ESSENTIAL SERVICE WATER PUMP DEGRADATION
CALLAWAY PLANT

On March 2, 1984 Union Electric informed the NRC Region III of a potential significant deficiency under 10CFR50.55(e) regarding the potential degradation of the "B" essential service water (ESW) pump (PEF01B). The Callaway ESW pumps are Bryon Jackson (BJ) motor driven, vertical turbine, 2 stage, centrifugal pumps rated at 15,000 gpm at 328 ft. total head. The ESW system provides cooling water to plant components which require cooling for safe shutdown of the reactor following a LOCA, loss of offsite power, and SSE without loss of offsite power. It also provides a backup water supply for the auxiliary feedwater system.

The potential deficiency concerns the inability of the "B" pump to meet preoperational test acceptance criteria. Additional BJ shop inspection and testing, onsite testing, and model testing of the pump and intake forebay configuration by Engineering Hydraulics, Inc. (EHI) have taken place since our initial notification. Presently, we are continuing to evaluate the resultant data to verify that pump performance will satisfy design requirements. This deficiency will be satisfactorily resolved and a final report submitted prior to fuel load.

Very truly yours,



Donald F. Schnell

JJS/jm

cc: B. L. Forney, NRC Region III
Richard DeYoung, Director I&E
NRC Resident Inspectors, Callaway Plant (2)
Missouri Public Service Commission

Joe Holonich, NRC SNUPPS Project Manager

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