

JMB

UNION ELECTRIC COMPANY

1901 GRATIOT STREET  
ST. LOUIS, MISSOURI

March 28, 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 Roosevelt Road  
Glen Ellyn, IL 60137

ULNRC-780

Dear Mr. Keppler:

FINAL 10CFR50.55(e)/PART 21 REPORT U-70  
DIESEL GENERATOR KEEPWARM LUBE OIL PUMP  
CALLAWAY PLANT

On February 29, 1984 Union Electric informed the NRC Region III of a significant deficiency reportable under 10CFR50.55(e) regarding the "B" emergency diesel generator keepwarm lube oil pump (PKJ03B).

The emergency diesel generators are equipped with a secondary lube oil system which heats and recirculates engine lube oil. This system keeps the oil warm to aid starting and to prelube the bearings until the primary pump provides sufficient oil flow. The failure of this pump could compromise the starting capability and thereby the operation of the emergency diesel generator.

The pump is designed with drive gear and idler gear rotors as the pumping mechanism. Several teeth on the drive gear failed on one pump each at Callaway and at Wolf Creek. From inspection of the failed parts, the vendor, Crane Deming, has determined that the failures were caused by a misalignment of the rotors due to improper mounting on the engine skid. The pump is a component of the engine skid which was manufactured by Colt.

Replacement parts are being obtained and the proper alignment will be checked during installation. In addition, the alignment of the "A" diesel generator keepwarm lube oil pump will be inspected to assure continued operability. The replacement part installation and the inspection will be completed prior to fuel load.

We believe the actions taken and planned have adequately addressed this deficiency and will assure the operability of the diesel generators. This is our final report regarding this matter.

50-483

Very truly yours,

*Donald F. Schnell*

Donald F. Schnell

JJS/JJM/slz

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

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