CREATORS OF ELECTRICAL
POWER SUPPLY SYSTEMS

POWER SYSTEMS
A MORRISON-KNUDSEN DIVISION

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USNRC REGION II
ATLANTA, GEORGIA

83 AUG 8 A9:22

August 2, 1983

Nuclear Regulatory Commission
Region II Office
101 Marietta St., NW
Suite 3100
Atlanta, GA 30333

Attention: J. D. O'Reilly, Regional Manager

Reference: 10CFR21 - Report of Defect
Emergency Diesel Generator 2B-B
Parsons-Peebles Electric Products, Inc. A.C.
Synchronous Generator S/N 17401228

Gentlemen:

Nonconformance Description:

The failure was found to be wear of the generator shaft insulation material under the inner race of the cylindrical roller bearing (2B-2 engine end of the generator). The wear allowed the shaft to drop down and rub the bearing inner and outer oil seals (bearing cover). The insulation wear was caused by the turning or slipping of the inner bearing race.

The responsible person was notified of this defect on August 1, 1983 in the form of a TVA NCR W-125-P forwarded to Power Systems Division by Mr. Tom Hogan of TVA.

Mr. Tom Hogan advised via phone that TVA have advised the NRC of the defect. We have requested written confirmation from TVA who said they would comply.

The generator manufacturer has also been advised by TVA and they are in direct contact with TVA. The generator manufacturer is conducting a review of the reported defect and will communicate the results directly with TVA.

Power Systems Division have requested of Parsons Peebles that we be advised of other Nuclear installations for which we have furnished generators that may have the same defect. The presently known sites are TVA-Watts Bar and TVA-Sequoyah.

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The NRC will be advised upon the receipt of this information and the recommended corrective action will be forwarded.

Very truly yours,

POWER SYSTEMS
A MORRISON-KNUDSEN DIVISION

Harry W. Falter, P.E.
Division Engineer

HWF/voa

cc: Murlin Grayson (M-K Boise)
W. Frank Jones (PSD)
Ed Martin (PSD)
Tom Iannuzzi (PSD)