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 Document Control Branch (Document Control Desk)

SUBJECT: Forwards results of periodic rotor pole ac voltage drop tests completed through first quarter 1992. No trend towards degrading condition within rotor poles. Based on results to date, licensee plans annual test frequency during outage.

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February 21, 1992
G02-92-045

Docket No. 50-397

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

Subject: WNP-2, OPERATING LICENSE NPF-21
EMERGENCY DIESEL GENERATOR-2, SHORTED TURNS

- References: 1. Letter, G02-90-130, GC Sorensen (SS) to NRC, "Emergency DG-2 Shorted Turns; Justification for Continued Operation", dated July 27, 1990
2. Letter, G02-90-133, GC Sorensen (SS) to NRC, "Emergency DG-2 Shorted Turns; Justification for Continued Operation", dated August 2, 1990

Reference 1 described a shorted turn condition that existed on the rotor poles of the Division 2 emergency diesel generator. The attachment to the reference committed to a monitoring and trending program to be applied to the generator. One element of that program was a periodic rotor pole a.c. voltage drop test.

In Reference 2 the Supply System committed to perform the pole drop test on a quarterly basis. The purpose of this letter is to inform the NRC that based upon the results obtained to date, we plan to change the frequency of the test to an annual basis to be performed during the annual refueling and maintenance outage. Changing the testing frequency will save resources and eliminate the need to remove the diesel generator from service during plant operation to perform the pole drop test. The pole drop tests will be scheduled for the Division 2 outage avoiding the need to enter the Action Statement.

The attachment to this letter summarizes the results of the pole drop tests completed through the first quarter of 1992. Pole Number 6 is the pole with the known shorted turn. The results are presented as voltage drop across the poles. The attachment shows that there is no trend towards a degrading condition within the rotor poles. The favorable results obtained to date are consistent with the expectations stated in the attachment to Reference 1 that the shorted turn condition would remain stable as the shorted condition was believed to be minor.

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EMERGENCY DIESEL GENERATOR-2, SHORTED TURNS

The first annual test will be performed during the next refueling outage, scheduled to begin in April 1992, coinciding with the next quarterly test. As the first quarter to be skipped will be that of July-September 1992, we should be informed by the NRC by early September 1992 if there are any concerns regarding the planned change in the testing frequency.

Sincerely,



G. C. Sorensen, Manager
Regulatory Programs (Mail Drop 280)

AGH/bk
Attachment

cc: JB Martin - NRC RV
NS Reynolds - Winston & Strawn
PL Eng - NRC
DL Williams - BPA/399
NRC Site Inspector - 901A

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Pole Drop Testing Trends on DG-2

