

OPPD

Omaha Public Power District
444 South 16th Street Mall
Omaha, Nebraska 68102-2247
402/636-2000

December 30, 1992
LIC-92-342

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station PI-137
Washington, D. C. 20555

References: 1. Docket No. 50-285
2. Letter to NRC (A. C. Thadani) from OPPD (R. L. Andrews)
dated August 28, 1986 (LIC-86-421)

Gentlemen:

SUBJECT: Results of the 1992 Reactor Vessel Thermal Shield Inspection and
Repair

In accordance with commitments made in Reference 2, enclosed is Omaha Public Power District's (OPPD) final report on the thermal shield inspection and repair project that was conducted during the 1992 Refueling Outage. In Reference 2, OPPD committed to conduct an ongoing monitoring program capable of detecting precursory evidence of thermal shield degradation and to inspect/repair the thermal shield when indications existed. With the submittal of the enclosed report, the actions specified in Reference 2 are complete.

In mid-1988, indications in the monitoring data showed that the thermal shield was exhibiting early signs of a loss of preload in some of the positioning pins. Therefore, the thermal shield support system was inspected and repaired during the 1992 Refueling Outage.

The conclusions of the final report are as follows:

1. The internal vibration monitoring (IVM) system was successful in providing early warning of the degradation of the thermal shield support system.
2. The repair resulted in a coupled core support barrel (CSB) and thermal shield (TS) system.
3. The natural frequencies of the repaired CSB and TS system do not differ from those associated with the system at original installation.
4. Post-repair IVM results support the fact that significant TS to CSB tightening was achieved.

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If you should have any questions, please contact me.

Sincerely,



W. G. Gates
Vice President

WGG/sel

Enclosure

c: LeBoeuf, Lamb, Leiby and MacRae
J. L. Milhoan, NRC Regional Administrator, Region IV
R. P. Mullikin, NRC Senior Resident Inspector
S. D. Bloom, NRC Project Manager