



Entergy Nuclear Operations, Inc.
Palisades Nuclear Plant
27780 Blue Star Memorial Highway
Covert, MI 49043

September 20, 2007

10 CFR 50.90

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Palisades Nuclear Plant
Docket 50-255
License No. DPR-20

Supplemental Information Regarding Alternative Source Term License Amendment Request (TAC No. MD3087)

Dear Sir or Madam:

By letter dated September 25, 2006, Nuclear Management Company, LLC, the former licensee for the Palisades Nuclear Plant (PNP), requested Nuclear Regulatory Commission (NRC) review and approval of a license amendment request (LAR) for PNP. The LAR would modify the PNP licensing basis to adopt the alternative source term methodology. On June 15, 2007, Entergy Nuclear Operations, Inc., (ENO) responded to requests for additional information (RAI) on the LAR. On September 7, 2007, ENO provided a response to the RAI along with supplemental information.

In a September 12, 2007, telephone conference call discussion regarding the information provided in the September 7, 2007, submittal, the NRC requested additional information. Enclosure 1 provides drawings that show the locations of two recently identified release points. Enclosure 2 provides revised X/Q and main steam line break dose calculations that include those release locations. Enclosure 3 describes the differences between the original calculations provided in the September 25, 2006, request and the revised calculations.

No other information in the September 25, 2006, LAR is affected by this additional information. The No Significant Hazards Consideration and the Environmental Consideration provided in Enclosure 1 of the September 25, 2006, submittal are not affected by this additional information.


Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

AOO1

NRR

I declare under penalty of perjury that the foregoing is true and correct. Executed on September 20, 2007.

A handwritten signature in black ink, appearing to read 'C. Schwarz', with a stylized flourish extending from the end.

Christopher J. Schwarz
Site Vice President
Palisades Nuclear Plant

Enclosures (3)

CC Administrator, Region III, USNRC
Project Manager, Palisades, USNRC
Resident Inspector, Palisades, USNRC

ENCLOSURE 1
PLANT DRAWINGS

The enclosed plant drawings provide the location of the turbine building feedwater exhaust fans V-22A and V-22B.

Drawing numbers:

C-52, Revision 15
M-120, Sheet 1, Revision 23

2 drawings follow

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D-01

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