



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

September 21, 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 September 7, 2007, Entergy Nuclear Operations, Inc., (ENO) provided supplemental information. The submittal included one new commitment.

In a September 20, 2007, telephone conference call with the NRC, it was determined that the commitment should be revised. ENO is revising the commitment as shown below.

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 change.

Summary of Commitments

This letter contains no new commitments and one revision to an existing commitment.

Previous commitment:

Prior to loading the Cycle 21 core, ENO will revise the procedure used to check the adequacy of a core design to include an evaluation on the pin power/burnup of the design core against the following criteria:


- Fewer than 21 rods in any one assembly violate the "54/6.3" criterion.
- Fewer than 20 assemblies in any core design contain at least one rod that violates the "54/6.3" criterion.
- All rods that violate the "54/6.3" criterion have a rod average linear heat generation rate of less than 6.7 kW/ft.
- All rods that violate the "54/6.3" criterion have a rod burnup of less than 58.5 GWD/MTU.
- In any assembly containing any rods that violate the "54/6.3" criterion there are at least four times as many rods that have total radial peaking factor of less than $\frac{3}{4}$ of the total radial peaking factor limit of 2.04.

Revised commitment:

Prior to restart (Mode 2) from the 2007 refueling outage, ENO will revise Section 2.4, "Total Radial Peaking Factor," of the Core Operating Limits Report to include an evaluation on the pin power/burnup of the design core against the following criteria:

- Fewer than 21 rods in any one assembly violate the "54/6.3" criterion.
- Fewer than 20 assemblies in any core design contain at least one rod that violates the "54/6.3" criterion.
- All rods that violate the "54/6.3" criterion have a rod average linear heat generation rate of less than 6.7 kW/ft.
- All rods that violate the "54/6.3" criterion have a rod burnup of less than 58.5 GWD/MTU.
- In any assembly containing any rods that violate the "54/6.3" criterion there are at least four times as many rods that have total radial peaking factor of less than $\frac{3}{4}$ of the total radial peaking factor limit of 2.04.

I declare under penalty of perjury that the foregoing is true and correct. Executed on September 21, 2007.


Christopher J. Schwarz
Site Vice President
Palisades Nuclear Plant

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