



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

December 12, 2007

10 CFR 50.54(f)

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
11555 Rockville Pike
Rockville, Maryland 20852

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

60-Day Post-Outage Report per Bulletin 2004-01

- References: 1) NRC Bulletin 2004-01: "Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors," dated May 28, 2004
- 2) Letter from Nuclear Management Company, LLC to U.S. Nuclear Regulatory Commission, "60-Day Response to Bulletin 2004-01," dated July 26, 2004

Dear Sir or Madam:

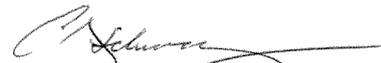
By letter dated May 28, 2004, the Nuclear Regulatory Commission (NRC) issued Bulletin 2004-01 (Reference 1). By letter dated July 26, 2004, Nuclear Management Company, LLC (NMC), the former license holder for Palisades Nuclear Plant (PNP), submitted the 60-day response to the Bulletin for PNP (Reference 2). Since that time, the PNP license has been transferred to Entergy Nuclear Operations, Inc (ENO).

Section (2)(a), of Reference 1, requires a report be submitted within 60 days after returning the plant to operation from a refueling outage in which a required inspection was completed. PNP was returned to operation on October 21, 2007, after completion of a refueling outage. During this refueling outage, a bare metal visual examination of 100% of the pressurizer heater sleeve locations, including 360° around each sleeve, was conducted. Enclosure 1 provides the details of the inspection results.

Summary of Commitments

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

I declare under penalty of perjury that the foregoing is true and correct. Executed on December 12, 2007.



Christopher J. Schwarz
Site Vice President
Palisades Nuclear Plant

Enclosure

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

ENCLOSURE 1
60-DAY POST OUTAGE REPORT PER BULLETIN 2004-01

1.0 INTRODUCTION

On May 28, 2004, the Nuclear Regulatory Commission (NRC) issued Bulletin 2004-01, "Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors." Nuclear Management Company, LLC (NMC), former license holder for Palisades Nuclear Plant (PNP), responded to the Bulletin on July 26, 2004 (Reference 2). Since that time, the PNP operating license has been transferred from NMC to Entergy Nuclear Operations, Inc. (ENO).

The 2007 PNP refueling outage commenced on September 9, 2007. The plant was returned to operation on October 21, 2007. During the outage, PNP inspected pressurizer heater sleeves in accordance with the commitments that had been previously made (section 3.0 below). Based on the results of the examinations performed, ENO concluded that all pressurizer heater sleeves that were returned to service in 2007 were not degraded, and no wastage of the pressurizer occurred.

2.0 DESCRIPTION OF INSPECTION METHOD

Bare metal, direct visual examinations were performed by qualified Consumers Energy personnel using qualified procedures to examine 100% of the 120 pressurizer heater sleeve locations, including 360° around each sleeve.

3.0 COMMITMENTS AND RESULTS

In the July 26, 2004, response to Bulletin 2004-01, NMC made four commitments for PNP. Three of the commitments remained open in 2007. One of the commitments was completed during the 2006 refueling outage. ENO commitment actions and results during the 2007 PNP refueling outage are described below.

Commitment 1:

NMC will perform a bare metal visual inspection of 100 percent of all pressurizer heater sleeve locations, in a manner that visual access to the bare metal 360 degrees around each sleeve can be attained during each outage at Palisades Nuclear Plant.

Results for Commitment 1:

During the 2007 refueling outage, a bare metal visual examination of all 120 pressurizer heater sleeves (J-groove welds) was performed. This examination included 360° around each sleeve.

There was no accumulation of boric acid in the vicinity of the penetrations. All visual examinations of the penetrations had acceptable results.

Commitment 2:

NMC will perform non-destructive examination (NDE) capable of characterizing crack orientation of all sleeves for which visual inspection shows evidence of leakage at Palisades Nuclear Plant. The NDE will be performed prior to the repair.

Results for Commitment 2:

No action was required since the visual examinations did not show any evidence of leakage.

Commitment 3:

NMC will notify the NRC immediately if the NDE defines the flaw as potential circumferential primary water stress corrosion cracking (PWSCC) in either the pressure boundary or non-pressure boundary portions of any locations covered under the scope of BL 2004-01 for the PNP. An appropriate inspection plan will be developed, which will define additional sleeves to be inspected by NDE, sufficient to determine the extent of condition commensurate with the inspection of the flaw.

Results for Commitment 3:

No action was required since the visual examinations did not show any evidence of leakage.

Commitment 4:

NMC will perform bare metal visual inspections of all Alloy 82/182/600 primary system pressure boundary locations normally operated at greater than or equal to 350°F within the next two refueling outages for the Palisades Nuclear Plant.

Results for Commitment 4:

Palisades completed the requirements of this commitment during the 2006 refueling outage. The 2007 refueling outage is the third since the commitment was made.

4.0 CONCLUSIONS

ENO has complied with commitments made in response to Bulletin 2004-01 for the PNP 2007 refueling outage. Based on the results of the examinations performed during the refueling outage, ENO concluded that the pressurizer heater sleeves that were returned to service were not degraded, and no wastage of the pressurizer occurred.