



**Entergy Nuclear Operations, Inc.**  
Pilgrim Nuclear Power Station  
600 Rocky Hill Road  
Plymouth, MA 02360

**Stephen J. Bethay**  
Director, Nuclear Assessment

May 16, 2007

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

**SUBJECT:** Entergy Nuclear Operations, Inc.  
Pilgrim Nuclear Power Station  
Docket 50-293  
License No. DPR-35

Special Report – TS Table 3.2.F, Inoperable Main Stack High Range  
Radiation Monitor

**LETTER NUMBER:** 2.07.052

Dear Sir or Madam:

This special report is submitted in accordance with Pilgrim Station's Technical Specifications Table 3.2.F, Note 7.

The Main Stack radiation monitor became inoperable on May 5, 2007 and was restored to operable status on May 15, 2007.

This letter contains no new commitments.

Please contact Bryan Ford at (508) 830-8403, if there are any questions regarding this subject.

  
Stephen J. Bethay  
Director, Nuclear Safety Assurance

MJG/dl  
Enclosure

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**Entergy Nuclear Operations, Inc  
Pilgrim Nuclear Station**

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**cc: Mr. James S. Kim, Project Manager  
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**Senior Resident Inspector  
Pilgrim Nuclear Power Station**

Enclosure to ENO Letter 2.07.051

Special Report

Cause of Inoperability

The Main Stack high range radiation monitor became inoperable on May 5, 2007, while shut down for the 2007 refueling outage.

The monitor was inoperable because it was discovered to have failed downscale. The cause of this failure was later attributed to a power interruption to the monitor.

Actions Taken

A work request was initiated to correct this condition. The monitor was re-energized and post work testing was completed on May 15, 2007 and the monitor was declared operable.

Plans and Schedule to Restore the Instrument to Operable Status

The Main Stack high range radiation monitor was restored to operable status on May 15, 2007.