



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

November 17, 2017

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

SUBJECT: 10 CFR 50.46(a)(3)(ii) Report

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

REFERENCE: 1. GE Hitachi Proprietary Information - 10 CFR 50.46 Notification Letters 2017-01, dated June 12, 2017 and 2017-02, dated August 2, 2017

2. 002N6994, Supplemental Reload Licensing Report for Pilgrim Nuclear Power Station Reload 21 Cycle 22, Revision 1, dated May 2017

LETTER NUMBER: 2.17.074

Dear Sir or Madam:

Pursuant to Title 10 Code of Federal Regulations (CFR) 50.46(a)(3)(ii), Entergy hereby notifies the Nuclear Regulatory Commission (NRC) staff of information provided by GE Hitachi by Reference 1 concerning potential errors in the Pilgrim reload calculations related to Pilgrim Emergency Core Cooling System (ECCS) performance that could potentially impact the compliance with the peak cladding temperature (PCT) limit of 2200°F.

The referenced notification applies to GNF2 Type Fuel. The plant specific Licensing Basis PCT for GNF2 in Reference 2, Supplemental Reload Licensing Report is 2150°F. The reported change in PCT in response to Reference 1 is 30°F. The 30°F PCT increase, makes the Licensing Basis PCT 2180 °F, which still complies with the calculated PCT limit of 2200°F specified by 10 CFR 50.46(b)(1).

Thus, the reported PCT change has no impact on the public health and safety.

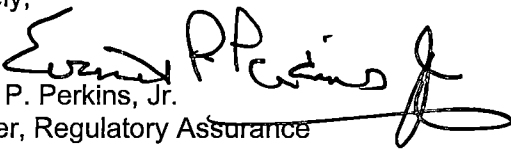
In addition, Pilgrim Nuclear Power Station did not provide 50.46(a)(3)(ii) submittals for 2015 and 2016 as there were no reported changes to the Pilgrim ECCS performance that could have potentially impacted compliance with the PCT limit of 2200°F.

If you have any questions or require additional information, please contact me at (508) 830-8323.

A002  
NRR

There are no regulatory commitments contained in this letter.

Sincerely,

  
Everett P. Perkins, Jr.  
Manager, Regulatory Assurance

EPP/mp

cc: Mr. Daniel H. Dorman  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
2100 Renaissance Blvd, Suite 100  
King of Prussia, PA 19406-2713

Mr. John Lamb, Senior Project Manager  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Stop O-8C2A  
Washington, DC 20555

NRC Resident Inspector  
Pilgrim Nuclear Power Station