



Entergy Nuclear Operations, Inc.  
Vermont Yankee  
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Vernon, VT 05354  
Tel 802 257 7711

Coley C. Chappell  
Manager, Regulatory Assurance

10 CFR 50.55a(g)(5)(iii)

BVY 14-075

October 23, 2014

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

SUBJECT: Relief Request ISI-06 Inservice Inspection Limited Examinations for the Fourth Ten-Year Interval - Supplement 1  
Vermont Yankee Nuclear Power Station  
Docket No. 50-271  
License No. DPR-28

- REFERENCES:
1. Letter, Entergy Nuclear Operations, Inc., to NRC, "Relief Request ISI-06 Inservice Inspection Limited Examinations for the Fourth Ten-Year Interval - Vermont Yankee Nuclear Power Station," BVY 14-063, dated August 19, 2014 (ML14237A100) (TAC No. MF4689)
  2. Email, NRC to Entergy Nuclear Operations, Inc., "Vermont Yankee RAI - Relief Request, RR ISI-06 (MF4689)," dated October 20, 2014 (ML14293A228)

Dear Sir or Madam:

By letter dated August 19, 2014, Entergy Nuclear Operations, Inc. (ENO) requested relief from the requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, 1998 Edition through 2000 Addenda, for 100 percent examination coverage of certain components due to geometric or design configuration at Vermont Yankee Nuclear Power Station during the fourth ten-year Inservice Inspection Program interval, which concluded on August 31, 2013 (Reference 1).

In Reference 2, the NRC provided ENO with a Request for Additional Information (RAI) regarding the subject relief request. The response to the RAI is provided in Attachment 1 of this letter.

There are no new regulatory commitments being made in this submittal.

If you have any questions or require additional information, please contact me at (802) 451-3374.

Sincerely,

CCC/plc

Attachment: 1. Response to Request for Additional Information

A047  
NRR

cc: Regional Administrator, Region 1  
U.S. Nuclear Regulatory Commission  
2100 Renaissance Blvd, Suite 100  
King of Prussia, PA 19406-2713

Mr. James S. Kim, Project Manager  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Stop O8D15  
Washington, DC 20555

USNRC Resident Inspector  
Entergy Nuclear Vermont Yankee, LLC  
320 Governor Hunt Rd  
Vernon, VT 05354

Mr. Christopher Recchia, Commissioner  
VT Department of Public Service  
112 State Street – Drawer 20  
Montpelier, VT 05620-2601

Attachment 1

Vermont Yankee Nuclear Power Station

Relief Request ISI-06

Response to Request for Additional Information

**REQUEST FOR ADDITIONAL INFORMATION**  
**RELIEF REQUEST ISI-06**  
**ENTERGY NUCLEAR OPERATIONS INC**  
**VERMONT YANKEE NUCLEAR POWER STATION**  
**DOCKET NUMBER 50-271 (TAC No. MF4689)**

By letter dated August 19, 2014, (Agency-wide Document Access and Management System (ADAMS) Accession Number ML14237A100) Entergy Nuclear Operations, Inc. (the licensee) submitted relief request ISI-06. Relief Request ISI-06 requests relief under 10 CFR 50.55a(g)(5)(iii), from the coverage requirements of ASME Code Section XI for the fourth ten year inspection interval at Vermont Yankee Nuclear Power Station. Additionally, the licensee submitted a letter on September 23 2013 (ADAMS Accession No. ML13273A204) to the Nuclear Regulatory Commission (NRC) expressing the intent to permanently shut down the Vermont Yankee Nuclear Power station by the end of 2014.

The NRC staff has reviewed the relief request and requires the following information to complete the review:

**1. What is the planned date for offloading the core from the reactor pressure vessel?**

Response

Offloading of the Vermont Yankee Nuclear Power Station (VY) core from the reactor pressure vessel is expected to be completed by mid-January 2015. Once the certifications of permanent cessation of operations and permanent removal of fuel from the reactor vessel have been docketed in accordance with 10 CFR 50.82(a)(1), pursuant to §50.82(a)(2), the 10 CFR part 50 license will no longer authorize operation of the reactor or emplacement or retention of fuel into the reactor vessel.

**2. Will the reactor coolant system be at operating pressure or temperature after February 2015?**

Response

The VY reactor coolant system will not be at operating pressure or temperature after February 2015.

**3. Which welds will have a safety function in maintaining core cooling after February 2015?**

Response

Since the core is expected to be offloaded by mid-January 2015, there will be no need to maintain core cooling after February 2015. There will be no welds which will have a safety function in maintaining core cooling after February 2015.