



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 21, 2014

Vice President, Operations
Entergy Nuclear Operations, Inc.
Indian Point Energy Center
450 Broadway, GSB
P.O. Box 249
Buchanan, NY 10511-0249

SUBJECT: INDIAN POINT NUCLEAR GENERATING UNIT NO. 3 - REQUEST FOR
ADDITIONAL INFORMATION REGARDING RELIEF REQUEST IP3-ISI-RR-06
REACTOR VESSEL WELD EXAMINATION (TAC NO. MF3345)

Dear Sir or Madam:

By letter dated January 13, 2014, Entergy Nuclear Operations, Inc., the licensee, submitted relief request IP3-ISI-RR-06 for reactor vessel weld examinations for the Fourth 10-Year Reactor Vessel Inservice Inspection Interval.

The Nuclear Regulatory Commission staff is reviewing the submittal and has determined that additional information is needed to complete its review. The specific questions are found in the enclosed request for additional information (RAI). Based on our discussions we understand that a response to the RAI will be provided within 30 days of the date of this letter.

Please contact me at (301) 415-1364 if you have any questions on this issue.

Sincerely,

A handwritten signature in black ink that reads "Douglas V. Pickett".

Douglas V. Pickett, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-286

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION BY
THE OFFICE OF NUCLEAR REACTOR REGULATION REGARDING
RELIEF REQUEST IP3-ISI-RR-06, "EXTEND THE INSERVICE INSPECTION INTERVAL
FOR THE REACTOR VESSEL WELD EXAMINATION"
INDIAN POINT NUCLEAR GENERATING UNIT NO. 3
ENTERGY NUCLEAR OPERATIONS, INC
DOCKET NO. 50-286

RAI-1

The original safety evaluation (SE) in WCAP-16168-NP-A, Rev. 2, "Risk-Informed Extension of the Reactor Vessel In-Service Inspection Interval," that was issued in 2008 was superseded by the July 26, 2011, SE (ML111600303) to address the Pressurized Water Reactor Owners Group's (PWROG's) request for clarification of the information needed in applications utilizing WCAP-16168-NP-A, Rev. 2. The July 26, 2011, SE concludes that the licensee's application must provide, among other plant-specific information, the years in which future inspections will be performed. The dates provided must be within plus or minus one refueling cycle of the dates identified in the implementation plan provided to the NRC in PWROG letter OG-10-238 (ML11153A033). Your proposed dates are not consistent with the PWROG letter. Please assess the impact of your proposed date on the inspection schedule in the OG-10-238 letter to demonstrate that the idea of having approximately equal number of reactor pressure vessel (RPV) inspections per year will still be maintained so that your proposed date change won't challenge (1) the industry's ability to provide ISI services, and (2) the NRC's monitoring of any unexpected phenomenon of neutron embrittlement when more RPVs are experiencing high fluences in the next 20 years. Separately, please discuss your proposed date and the impact assessment with the PWROG.

RAI-2

Relief Request IP3-ISI-RR-06 states under Section 3.0 that, "This interval was extended for the third ISI interval in Relief Request RR-3-43(I) (Reference 2) until 2015. Extension of this inspection frequency to 2019 is now being requested as relief in the fourth interval." Please note that the March 6, 2009, SE regarding RR-3-43(I) (ML090360460) approved extension of the third ISI interval to 2015 for Indian Point, Unit 3 (IP-3), short of the additional 10 years for an ISI interval extension for other WCAP-16168 applicants. This is because the current license for IP-3 would expire in 2015. Any extension beyond 2015, due to consideration of the status of the license renewal application approval to regain the full additional 10 years in accordance with the July 26, 2011, SE, is considered by the NRC as activities still in the third ISI interval. Therefore, please revise "fourth interval" in numerous places in the relief request to "third interval."

Enclosure

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/ra/

Douglas V. Pickett, Senior Project Manager
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