



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

February 13, 2013

LICENSEE: Entergy Nuclear Operations, Inc.

FACILITY: Indian Point Nuclear Generating Station, Units 2 and 3

SUBJECT: SUMMARY OF CONFERENCE CALL HELD ON DECEMBER 12, 2012,
BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND
ENTERGY NUCLEAR OPERATIONS, INC., CONCERNING THE
REACTOR VESSEL INTERNALS PROGRAM AT INDIAN POINT
NUCLEAR GENERATING STATION, UNITS 2 AND 3 – RAI 11A

Representatives of the U.S. Nuclear Regulatory Commission (NRC or the staff), and representatives of Entergy Nuclear Operations, Inc., (Entergy or the applicant), held a conference call on December 12, 2012, to provide clarification on a request for additional information (RAI) 11a, related to the Indian Point (IP) Nuclear Generating Station, Units 2 and 3 license renewal application. The telephone conference call was useful in clarifying the response to the RAI.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a summary of the discussion.

The applicant had an opportunity to comment on this summary.

Sincerely,

A handwritten signature in black ink, appearing to read "John Daily", is positioned above the typed name.

John Daily, Senior Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-247 and 50-286

Enclosure:
List of Participants

cc w/encl. Listserv

February 13, 2013

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/ra/

John Daily, Senior Project Manager
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ADAMS Accession No.: ML13015A364

*via email

OFFICE	PM:DLR/RPB1	LA:DLR/RPB1*	BC:DLR/RPB1	D:DLR/RPB1
NAME	JDaily	YEdmonds	DMorey	JDaily
DATE	2/4/13	1/23/13	2/12/13	2/13/13

REQUEST FOR ADDITIONAL INFORMATION CONFERENCE CALL
INDIAN POINT ENERGY CENTER, LICENSE RENEWAL APPLICATION
REACTOR VESSEL INTERNALS PROGRAM AND MRP-227-A
RAI 11A

LIST OF PARTICIPANTS
December 12, 2012

<u>PARTICIPANT</u>	<u>AFFILIATION</u>
John Daily	Nuclear Regulatory Commission (NRC)
Jeff Poehler	NRC
Pat Purtcher	NRC
Roger Waters	Entergy
Nelson Azevedo	Entergy
Ted Ivy	Entergy
Bob Dolansky	Entergy
Cheryl Boggess	Westinghouse
Randy Lott	Westinghouse
Joshua McKinley	Westinghouse
Karli Szweda	Westinghouse

REQUEST FOR ADDITIONAL INFORMATION CONFERENCE CALL
INDIAN POINT ENERGY CENTER, UNITS 2 AND 3
LICENSE RENEWAL APPLICATION
REACTOR VESSEL INTERNALS PROGRAM AND MRP-227-A
RAI 11A

December 12, 2012

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Nuclear Operations, Inc. (Entergy or the applicant) held a telephone conference call on December 12, 2012, to discuss staff aging management questions related to the applicant's Reactor Vessel Internals Aging Management Program, in the Indian Point Energy Center (IPEC), Units 2 and 3, license renewal application (LRA). The telephone conference call was useful in clarifying the requests for additional information (RAIs) on the issue.

RAI-11a, Reactor Vessel Internals Program and MRP-227-A

The staff noted that it had requested additional information on the approach to be used for the plant-specific evaluation of the lower support column bodies. The applicant's response indicates it plans to use an approach using the screening criteria for thermal aging embrittlement susceptibility from the staff's letter "License Renewal Issue No. 98-0030, Thermal Aging Embrittlement of Cast Austenitic Stainless Steel Components," dated May 19, 2000 (NRC ADAMS Accession No. ML003717179). The applicant had provided a table of screening criteria based on chemistry, casting method, and delta ferrite content. The staff also noted its recommendation that, in order to account for a potential synergistic effect on loss of fracture toughness due to the combined effects of thermal embrittlement (TE) and neutron irradiation embrittlement (IE), the applicant should perform component-specific assessments for components that will experience neutron fluence of 1×10^{17} neutrons per square centimeter (n/cm^2) or greater. Finally, the staff noted that MRP-191 indicates a threshold value that is significantly different from this recommendation.

The staff and Entergy discussed these issues and agreed to clarify the RAI in that, if the applicant desired to use a fluence value other than $1 \times 10^{17} \text{ n/cm}^2$, then it will add justification as to why its stated threshold value is appropriate for Units 2 and 3.

In addition, in view of an expected industry template response to this issue due to be released in January 2013, the staff and Entergy agreed that the reply window for this RAI set would be 90 days from date of issue so the applicant can take the template into account in its response.

The applicant agreed that it would take the staff's questions into account as it prepares its response to RAI 11a. Both the staff and the applicant agreed that the discussion was useful in clarifying the RAI.

(Note: subsequent to the call it was determined to combine RAIs 11a and 15a into one issue letter, in January 2013.)

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STATION, UNITS 2 AND 3 – RAI 11A

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