

## IPRenewal NPEmails

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**From:** Wentzel, Michael  
**Sent:** Thursday, October 06, 2016 1:49 PM  
**To:** Louie, Richard (rlouie@entergy.com)  
**Subject:** Draft Meeting Summary for the October 4, 2014, Category 1 Public Meeting  
**Attachments:** Summary of the October 4, 2016, Public Meeting with Entergy Regarding the Indian Point License Renewal Application.docx

Rich,

Attached is a draft meeting summary for our October 4, 2016, meeting. Please let me know if you have any comments on the summary.

Thanks,  
Mike

Michael Wentzel  
Project Manager  
NRR/DLR/RERP  
(301) 415-6459  
[michael.wentzel@nrc.gov](mailto:michael.wentzel@nrc.gov)

**Hearing Identifier:** IndianPointUnits2and3NonPublic\_EX  
**Email Number:** 8031

**Mail Envelope Properties** (540450ffb2a34e9f859ff34d80844c13)

**Subject:** Draft Meeting Summary for the October 4, 2014, Category 1 Public Meeting  
**Sent Date:** 10/6/2016 1:49:01 PM  
**Received Date:** 10/6/2016 1:49:02 PM  
**From:** Wentzel, Michael

**Created By:** Michael.Wentzel@nrc.gov

**Recipients:**  
"Louie, Richard (rlouie@entergy.com)" <rlouie@entergy.com>  
Tracking Status: None

**Post Office:** HQPWMSMRS02.nrc.gov

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| MESSAGE   | 313         | 10/6/2016 1:49:02 PM   |
| Summary of the October 4, 2016, Public Meeting with Entergy Regarding the Indian Point License Renewal Application.docx | 27723       |                        |

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**Priority:** Standard  
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**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## U.S. Nuclear Regulatory Commission Public Meeting Summary

**Title:** Public Meeting with Entergy Nuclear Operations, Inc. (Entergy) Regarding Planned Changes to the Service Water Integrity Program for the Indian Point Nuclear Generating Unit Nos. 2 and 3 (IP2 and IP3) License Renewal Application (LRA)

**Meeting Identifier:** 20161263

**Date of Meeting:** Tuesday, October 4, 2016

**Location:** NRC One White Flint North, O-9B4  
11555 Rockville Pike  
Rockville, MD

**Type of Meeting:** Category 1

### **Purpose of the Meeting(s):**

The purpose of the meeting was for Entergy to describe planned changes to the IP2 and IP3 Service Water Integrity Program. The planned changes are in response to the U.S. Nuclear Regulatory Commission (NRC) staff's July 25, 2016, request for additional information regarding its review of the IP2 and IP3 LRA.

### **General Details:**

The NRC held a meeting on October 4, 2016, from 9:00 a.m. – 10:00 a.m. EDT. The meeting began with an introduction, an overview of meeting logistics, and an introduction of attendees. Entergy then presented an overview of its planned changes to the IP2 and IP3 Service Water Integrity Program to address the NRC staff's request for additional information. Following the presentation, the meeting was opened for discussion between the NRC and Entergy staff.

Approximately 23 people participated in the meeting. Meeting participants included representatives from the NRC and Entergy, as well as five unidentified members of the public or interested stakeholders that participated via telephone.

### **Summary of Presentation:**

Entergy presented an overview of its planned enhancements to the IP2 and IP3 Service Water Integrity Program to address the NRC staff's July 25, 2016, request for additional information. A summary of the planned enhancements and discussion during the meeting is outlined below.

#### RAI 3.0.3-10 Request 1

Entergy stated that it planned to enhance the Service Water Integrity Program to establish goals for the minimum number of inspections that would be performed to address recurring internal corrosion (RIC). For five or fewer instances of the aging effect with the same aging mechanism (either through-wall leakage, or greater than 50 percent reduction in wall

thickness), Entergy would perform 10 augmented inspections. For greater than five instances, a minimum of 15 augmented inspections will be performed. In addition, Entergy planned to enhance the Service Water Integrity Program to perform a robotic inspection of in-scope service water piping during the second 10-year license renewal period

Regarding the additional inspections, the NRC staff asked Entergy what the acceptance criteria would be. Entergy stated that the degradation would be evaluated by performing a calculation to determine the remaining useful life for the piping relative to structural integrity. The staff stated that acceptance criteria for structural integrity does not address future leaks, as discussed during the staff's February audit regarding a fire water system leak.

Regarding robotic inspections, the NRC staff asked Entergy whether robotic inspections were performed as part of the current program. Entergy stated that there is a current preventive maintenance item to perform a robotic inspection of the service water piping every 8 years. When asked how making this enhancement would differ from what is done currently, Entergy stated that making this enhancement would credit the inspection for license renewal and ensure that an inspection is performed during the second 10-year period.

#### RAI 3.0.3-10 Request 2a

Entergy stated that it planned to enhance the Service Water Integrity Program to perform a verification that the valve pit(s) that experienced flooding were considered in-scope for license renewal. Additionally, the Program would be enhanced to ensure that inspections on the non-safety related piping (within the scope of license renewal) would be conducted on the same frequency as the safety-related piping.

The NRC staff asked Entergy whether they had assessed the effectiveness of the corrective actions taken in response to Licensee Event Report (LER) 286/2011-003, considering that similar leakage was identified in a valve pit subsequent to the LER. Entergy stated that they believed that the corrective actions taken were effective and asked the NRC staff to identify documentation describing the leakage to which the NRC staff had referred. The NRC staff committed to identifying the applicable documentation. (See **Action Items/Next Steps** below for additional information.)

#### RAI 3.0.3-10 Request 3

Entergy stated that it planned to enhance the Service Water Integrity Program to include silt monitoring and that change would be implemented by identifying its relationship to license renewal in the IP2 and IP3 Generic Letter 89-13 program documentation.

#### RAI 3.0.3-10 Requests 4a and 4b

Entergy stated that it planned to enhance the Service Water Integrity Program to incorporate layup procedures for the radiation monitoring piping. Entergy stated that the subject leakage occurred when the system was isolated for maintenance without laying up the system beforehand.

#### RAI 3.0.3-10 Request 5a

Entergy stated that it planned to enhance the Service Water Integrity Program by increasing the flushing frequency of the Service Water Piping and Valve Flush procedure from once every 2 years to annually.

#### RAI 3.0.3-10 Request 6

Entergy stated that it planned to enhance the Service Water Integrity Program to clarify that the minimum number of augmented inspections that will be performed in response to any identified leakage associated with corrosion would be five inspections for through-wall leakage.

Implementation Schedule

Entergy stated that all enhancements would be implemented as soon as practicable, but not later than December 31, 2019.

**Public Participation Themes:**

No questions or comments were provided to the NRC staff during the public participation portion of the meeting.

**Action Items/Next Steps:**

During the meeting, the NRC staff committed to providing Entergy with the reference to the documentation of additional valve pit leakage. Subsequent to the meeting, the NRC staff identified that the leakage appears to be documented in Condition Report CR-IP3-2013-0507.

**Attachments:**

- Meeting description and agenda – ML16265A460
- Entergy's agenda – MLXXX

Entergy stated that it planned to enhance the Service Water Integrity Program to clarify that the minimum number of augmented inspections that will be performed in response to any identified leakage associated with corrosion would be five inspections for through-wall leakage.

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**Attachments:**

- Meeting description and agenda – ML16265A460
- Entergy's agenda – MLXXX

**ADAMS Accession Nos.:**

**(PKG)  
(MEMO)**

**\*concurred via email**

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|---------------|--------|-------------|-------------|----------------|
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| <b>NAME</b>   |        | MWentzel    | DMorey      | YDiaz-Sanabria |
| <b>DATE</b>   |        |             |             |                |

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**U.S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Division of License Renewal**

**Indian Point Nuclear Generating Unit Nos. 2 and 3  
License Renewal Application**

**List of Participants  
October 4, 2016**

**PARTICIPANTS:**

Brian Allik  
Benjamin Beasley  
William Burton  
Yoira Diaz-Sanabria  
Jim Gavula  
Brian Harris  
Bill Holston  
Dennis Morey  
David Roth  
Michael Wentzel  
Richard Burroni  
Charles Caputo  
Michael Kempski  
Richard Louie  
Thomas Orlando  
Dennis Pennino  
Andrew Taylor  
Robert Walpole

**AFFILIATIONS:**

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ENCLOSURE