

## IPRenewal NPEmails

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**From:** Kimberly Green  
**Sent:** Monday, July 21, 2008 12:05 PM  
**To:** STROUD, MICHAEL D; Tyner, Donna  
**Cc:** Barry Elliot; Stanley Gardocki; Roy Mathew  
**Subject:** Draft Telecon Summaries  
**Attachments:** Telecon Summary 06-24-08 Annual Update - BOP.doc; Telecon Summary 07-08-08 RV and Submerged Cable.doc

Mike and Donna,

Attached are the draft telecon summaries of June 24, 2008, on the Annual Update for balance of plant system, and July 8, 2008, on RV Neutron Embrittlement, and Submerged Cables. Please let me know if any corrections are necessary.

Thanks,  
Kimberly Green  
Safety PM  
(301) 415-1627  
[kimberly.green@nrc.gov](mailto:kimberly.green@nrc.gov)

**Hearing Identifier:** IndianPointUnits2and3NonPublic\_EX  
**Email Number:** 203

**Mail Envelope Properties** (Kimberly.Green@nrc.gov20080721120500)

**Subject:** Draft Telecon Summaries  
**Sent Date:** 7/21/2008 12:05:05 PM  
**Received Date:** 7/21/2008 12:05:00 PM  
**From:** Kimberly Green

**Created By:** Kimberly.Green@nrc.gov

**Recipients:**

"Barry Elliot" <Barry.Elliot@nrc.gov>  
Tracking Status: None  
"Stanley Gardocki" <Stanley.Gardocki@nrc.gov>  
Tracking Status: None  
"Roy Mathew" <Roy.Mathew@nrc.gov>  
Tracking Status: None  
"STROUD, MICHAEL D" <MSTROUD@entergy.com>  
Tracking Status: None  
"Tyner, Donna" <dytyner@entergy.com>  
Tracking Status: None

**Post Office:**

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	393	7/21/2008 12:05:00 PM
Telecon Summary 06-24-08 Annual Update - BOP.doc	62970	
Telecon Summary 07-08-08 RV and Submerged Cable.doc	66042	

**Options**

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

LICENSEE: Entergy Nuclear Operations, Inc.

FACILITY: Indian Point Nuclear Generating Unit Nos. 2 and 3

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JUNE 24, 2008, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ENTERGY NUCLEAR OPERATIONS, INC., RELATED TO THE INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3, LICENSE RENEWAL APPLICATION—BALANCE OF PLANT

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Nuclear Operations Inc. (Entergy) held a telephone conference call on June 24, 2008, to obtain clarification on Entergy's recent annual update concerning the Indian Point Nuclear Generating Unit Nos. 2 and 3 (IP2 and IP3), license renewal application (LRA). By letter dated June 11, 2008, Entergy submitted an annual update to LRA. The staff reviewed the information contained therein, and requested additional information/clarification on a few items.

Enclosure 1 provides a listing of the participants, and Enclosure 2 contains a listing of the items discussed with the applicant, including a brief description of the resolution of the items.

The applicant had an opportunity to comment on this summary.

Kimberly Green, Safety Project Manager  
Projects Branch 2  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Nos. 50-247 and 50-286

Enclosure:  
As stated

cc w/encl: See next page

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**ADAMS Accession No.: G:\ADRO\DLR\RPB2\Indian Point\Safety Review\Telecon Summaries\Telecon Summary 06-24-08 Annual Update - BOP.doc**

OFFICE	LA:DLR	PM:RPB2:DLR	BC:RPB2:DLR
NAME		KGreen	RFranovich
DATE	07/ /08	07/ /08	07/ /08

OFFICIAL RECORD COPY

**TELEPHONE CONFERENCE CALL  
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3  
LICENSE RENEWAL APPLICATION**

**LIST OF PARTICIPANTS  
JUNE 24, 2008**

**PARTICIPANTS**

**AFFILIATIONS**

Kim Green	U.S. Nuclear Regulatory Commission (NRC)
Stan Gardocki	
Mike Stroud	Entergy Nuclear Operations, Inc. (Entergy)
Don Fronabarger	Entergy
Ted Ivy	Entergy
John Curry	Entergy
Charlie Caputo	Entergy
Charlie Jackson	Entergy

**INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3  
LICENSE RENEWAL APPLICATION  
ANNUAL UPDATE – BALANCE OF PLANT  
JUNE 24, 2008**

Station Air System:

The applicant eliminated the station air compressor housing as a component type subject to an aging management review (AMR), but did not provide any reason for the elimination. The staff inquired about this elimination. Entergy stated that station air penetrates containment, so originally it placed the entire station air system in scope for 10 CFR 54.4(a)(2). However, later Entergy found a seismic anchor just outside of containment; therefore, the compressor does not need to be in scope.

Expansion Joints:

Expansion joints for IP3 have been added as a component type subjection to an AMR in the condensate suction pump system. Similar expansion joints exist for IP2. The staff requested clarification on whether the expansion joints for IP2 should be subject to an AMR with material type “elastomer” exposed to an internal environment of treated water. Entergy clarified that the IP2 expansion joints are within the scope of license renewal and subject to an AMR, and are evaluated with the condensate system.

ENCLOSURE 2

LICENSEE: Entergy Nuclear Operations, Inc.

FACILITY: Indian Point Nuclear Generating Unit Nos. 2 and 3

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JULY 8, 2008, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ENTERGY NUCLEAR OPERATIONS, INC., RELATED TO THE INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3, LICENSE RENEWAL APPLICATION—REACTOR VESSEL NEUTRON EMBRITTLEMENT AND SUBMERGED CABLES

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Nuclear Operations Inc. (Entergy) held a telephone conference call on July 8, 2008, to obtain clarification on Entergy's recent responses to requests for additional information concerning the Indian Point Nuclear Generating Unit Nos. 2 and 3, license renewal application. The telephone conference call was useful in clarifying the applicant's responses.

Enclosure 1 provides a listing of the participants, and Enclosure 2 contains a listing of the items discussed with the applicant, including a brief description of the resolution of the items.

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Projects Branch 2  
Division of License Renewal  
Office of Nuclear Reactor Regulation

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DATE	07/ /08	07/ /08	07/ /08

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**TELEPHONE CONFERENCE CALL  
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3  
LICENSE RENEWAL APPLICATION**

**LIST OF PARTICIPANTS  
JULY 8, 2008**

**PARTICIPANTS**

**AFFILIATIONS**

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Barry Elliot	NRC
Roy Mathew	NRC
Mike Stroud	Entergy Nuclear Operations, Inc. (Entergy)
Don Fronabarger	Entergy
Ted Ivy	Entergy
Roger Rucker	Entergy
Charlie Caputo	Entergy
Floyd Gumble	Entergy
Nelson Azavedo	Entergy
Herb Robinson	Entergy

**INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3  
LICENSE RENEWAL APPLICATION  
REACTOR VESSEL NEUTRON EMBRITTLEMENT  
INACCESSIBLE OR UNDERGROUND POWER CABLES  
JULY 8, 2008**

**RAI 4.2.2-2**

By letter dated November 28, 2007, Entergy responded to the staff's request regarding Charpy upper shelf energy (USE) analyses for Indian Point Nuclear Generating Unit No. 2 (IP2). The RAI contained two parts. During a telephone conference on May 7, 2008, the staff asked the applicant to provide the same information Indian Point Nuclear Generating Unit No. 3 (IP3). By letter, dated June 11, 2008, Entergy provided the requested information for IP3, but only for part (b) of the original request. During the telephone conference call on July 8, the staff asked the applicant to confirm if the information previously supplied for IP2 for part (a) of the request applied to IP3. Entergy stated that the reactor vessel beltline plate material for IP3 is the same as the material for IP2. In a subsequent call, on July 11, 2008, the applicant confirmed that although the WCAP report referenced in the November 28, 2007 response only cites IP2, the materials in both vessels are the same and meet the same ASME code case and Combustion Engineering specification; therefore, the analyses would apply to IP3. The staff's evaluation will be documented in the safety evaluation report.

**RAI 3.6.2.3-2**

By letter dated May 28, 2008, the staff requested information regarding a 138kV direct burial insulated transmission cables that is submerged. By letter, dated June 26, 2008, the applicant responded to the RAI. After it reviewed the response, the staff needed additional information regarding the qualification and testing of the cable as well as operating experience. The staff stated that there is operating experience identified in licensee event reports with regard to the failure of lead sheath cables. Entergy stated that it would talk to the owner of the cable and the vendor to see if additional information is available regarding the qualification and testing. Entergy emphasized that the cable of interest is nonsafety-related and not designed to meet the single failure criterion. Further, there is a statement in GALL XI.E.3 that provides an exclusion regarding environments for which the cables are designed. The resolution of this issue will be documented in the safety evaluation report.

ENCLOSURE 2