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Fred Dacimo
Vice President
Operations License Renewal

NL-15-148

December 14, 2015

U.S. Nuclear Regulatory Commission
Document Control Desk
11545 Rockville Pike, TWFN-2 F1
Rockville, MD 20852-2738

SUBJECT: Amendment 17 to License Renewal Application (LRA)
Indian Point Nuclear Generating Unit Nos. 2 and 3
Docket Nos. 50-247 and 50-286
License Nos. DPR-26 and DPR-64

REFERENCES:

1. Entergy Letter dated April 23, 2007, F. R. Dacimo to Document Control Desk, "License Renewal Application" (NL-07-039)
2. Entergy Letter dated April 23, 2007, F. R. Dacimo to Document Control Desk, "License Renewal Application Boundary Drawings" (NL-07-040)
3. Entergy Letter dated April 23, 2007, F. R. Dacimo to Document Control Desk, "License Renewal Application Environmental Report References" (NL-07-041)
4. Entergy Letter dated October 11, 2007, F. R. Dacimo to Document Control Desk, "License Renewal Application (LRA)" (NL-07-124)
5. Entergy Letter dated November 14, 2007, F. R. Dacimo to Document Control Desk, "Supplement to License Renewal Application (LRA) Environmental Report References" (NL-07-133)

Dear Sir or Madam:

In accordance with 10 CFR 54.21(b), each year following submittal of the license renewal application and at least 3 months before scheduled completion of the NRC review, an amendment to the renewal application must be submitted that identifies any change to the CLB of the facility that materially affects the contents of the license renewal application (LRA), including the FSAR supplement. In the referenced letters, Entergy Nuclear Operations, Inc. applied for renewal of the Indian Point Nuclear Generating Units 2 and 3 operating licenses. This letter provides Amendment 17 of the Indian Point Units 2 and 3 license renewal application.

There are no new commitments being made in this submittal.

Should you have any questions concerning this report, please contact Mr. Robert W. Walpole, Licensing Manager, at (914) 254-6710.

A128
NRR

I declare under penalty of perjury that the foregoing is true and correct. Executed on
12/14, 2015.

Sincerely,

A handwritten signature in black ink, appearing to be 'J. A.', written in a cursive style.

FRD/rl

Attachment 1. Annual Update Amendment

cc: Mr. Daniel H. Dorman, Regional Administrator, NRC Region I
Mr. Michael Wentzel, NRC Project Manager, Division of License Renewal
Mr. Douglas Pickett, NRR Senior Project Manager
Ms. Bridget Frymire, New York State Department of Public Service
Mr. John B. Rhodes, President and CEO NYSERDA
NRC Resident Inspector's Office

ATTACHMENT 1 TO NL-15-148

ANNUAL AMENDMENT

**ENTERGY NUCLEAR OPERATIONS, INC.
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 and 3
DOCKET NO. 50-247 and 50-286.**

**INDIAN POINT NUCLEAR GENERATING UNIT Nos. 2 AND 3
LICENSE RENEWAL APPLICATION
ANNUAL AMENDMENT**

In accordance with 10 CFR 54.21(b), each year following submittal of the license renewal application and at least 3 months before scheduled completion of the NRC review, an amendment to the renewal application must be submitted that identifies any change to the CLB of the facility that materially affects the contents of the license renewal application (LRA), including the FSAR supplement. This attachment is the required annual amendment to the LRA.

Amendment 17 is based on a review of documents potentially affecting the CLB during the periods of September 1, 2014 through August 31, 2015.

The review concluded that certain sections of the LRA are affected by changes to CLB documents and other related LRA reviews. The table below summarizes the changes listing the affected system (if applicable), an explanation of the change (including effect on the LRA), and the affected LRA section.

LRA Sections Affected

Change	LRA Section Affected
IP3 – EC 59201 Added component IDs to strainers over floor drains in AFW pump room Identified brass material strainers over drains	Section 3.3.2.1.18 Table 3.2.2-18-IP3
Issuance of IP-RPT-05-00071, Rev 2, IP2 10CFR50 Appendix R Safe Shutdown Separation Analysis required inclusion of additional components	Section 2.3.3.4 - IA
Issuance of IP3-ANAL-FP-01503, Rev 3, IP3 Safe Shutdown Analysis required inclusion of additional components	Section 2.3.3.17

IPEC LRA changes are shown below.

(Changes are shown as strikethroughs for deletions and underlines for additions)

2.3.3.4 Compressed Air

System Description

The compressed air system includes the instrument air (IA) and station air (SA) subsystems.

Unit 2

Instrument Air

The IA ~~system~~ also supports station response to an Appendix R event. The system provides the capability to isolate air to the speed controller for the charging pump (the 21 pump in the chemical and volume control system) from the central control room (CCR), enabling the pump to run at high speed. Adjustment of the charging pump to maximum speed is necessary to establish the required charging flow rate credited in the IP2 Appendix R basis thermal-hydraulic analysis. In addition, the IA system provides compressed air to operate valves necessary to re-establish functional operation of the containment IA header credited in the IP2 Appendix R safe shutdown analysis.

The IA system has the following intended functions for 10 CFR 54.4(a)(3).

- Provide a ~~backup~~ source of compressed gas for pneumatically operated components for the Appendix R event (10 CFR 50.48).
- Enable charging pump 21 to be run at high speed without the need for operator actions outside the CCR in response to a fire for the Appendix R event (10 CFR 50.48).
- Support safe shutdown in the event of a fire in the auxiliary feed pump room (10 CFR 50.48) (see Section 2.3.4.5).

2.3.3.17 City Water

System Description

Unit 3

The purpose of the city water (CWM) system is to provide water to various components throughout the plant. The city water supply was originally installed for Unit 1 but now has functions for all three units. The city water tank and many of the shared site components are included in the Unit 2 description of system code CYW. Only the Unit 3 components are included in the CWM system code. City water is used for a variety of purposes throughout Unit 3, including a supply of water to fire protection systems, to various equipment for makeup or cooling, and to sanitary and potable facilities, such as emergency showers, eye wash stations, hose connections, sinks, water coolers, water heaters, and lavatories. The system also provides a backup but not safety-grade source of water to the AFW and charging pumps and can provide makeup to the spent fuel pit.

The CWM system has no intended functions for 10 CFR 54.4(a)(1).

The CWM system has the following intended function for 10 CFR 54.4(a)(2).

- Maintain integrity of nonsafety-related components such that no physical interaction with safety-related components could prevent satisfactory accomplishment of a safety function.
- Provide a redundant source of water to the AFW pumps.
- Provide makeup to the spent fuel pit.

The CWM system has the following intended functions for 10 CFR 54.4(a)(3).

- Provide water supply to the AFW pumps during an Appendix R event (10 CFR 50.48).
- Provide water supply to charging pumps oil and fluid drive coolers during an Appendix R event (10 CFR 50.48).

3.3.2.1.18 Plant Drains

Materials

Plant drains components are constructed of the following materials.

- carbon steel
- stainless steel
- gray cast iron
- plastic
- copper alloy > 15% zinc

Table 3.3.2-18-IP3: Plant Drains

Component Type	Intended Function	Material	Environment	Aging Effect Requiring Management	Aging Management Programs	NUREG-1801 Vol. 2 Item	Table 1 Item	Notes
<u>Strainer</u>	<u>Filtration</u>	<u>Copper alloy > 15% Zn</u>	<u>Air – indoor (ext)</u>	<u>None</u>	<u>None</u>	<u>V.F-3 (EP-10)</u>	<u>3.2.1-53</u>	<u>C</u>