

June 6, 2005

Mr. Michael R. Kansler, President  
Entergy Nuclear Operations, Inc.  
440 Hamilton Avenue  
White Plains, NY 10601

SUBJECT: INDIAN POINT NUCLEAR GENERATING UNIT NO. 2 - SUPPLEMENTAL  
REQUEST FOR ADDITIONAL INFORMATION REGARDING AMENDMENT  
APPLICATION FOR FUEL STORAGE BUILDING GANTRY CRANE  
(TAC NO. MC5036)

Dear Mr. Kansler:

On November 1, 2004, Entergy Nuclear Operations, Inc. (Entergy), submitted an application for a proposed amendment to the licensing basis for Indian Point Nuclear Generating Unit No. 2 to allow use of a new single-failure proof gantry crane to be installed in the fuel storage building. In addition, Entergy has a commitment to not move the spent fuel cask over any region of the spent fuel pool until the cask handling has been reviewed by the Nuclear Regulatory Commission (NRC) and found to be acceptable. On April 12, 2005, Entergy responded to a request for additional information (RAI) from the NRC staff in a letter dated February 25, 2005.

The NRC staff is reviewing the information provided in the April 12 RAI response and has determined that additional information is needed to complete its review. The specific questions are found in the enclosed supplemental RAI. During a telephone call on May 31, 2005, the Entergy staff indicated that a response to the RAI would be provided within 45 days.

Please contact me at (301) 415-1457 if you have any questions on this issue.

Sincerely,

*/RA/*

Patrick D. Milano, Senior Project Manager, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-247

Enclosure: RAI

cc w/encl: See next page

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Indian Point Nuclear Generating Unit No. 2

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SUPPLEMENTAL REQUEST FOR ADDITIONAL INFORMATION

REGARDING FUEL STORAGE BUILDING GANTRY CRANE

ENTERGY NUCLEAR OPERATIONS, INC.

INDIAN POINT NUCLEAR GENERATING UNIT NO. 2

DOCKET NO. 50-247

In a letter dated November 1, 2004 (ADAMS Accession No. ML043140282), Entergy Nuclear Operations, Inc. (Entergy), submitted an application for a proposed amendment to the licensing basis for Indian Point Nuclear Generating Unit No. 2 (IP2) to allow use of a new single-failure proof gantry crane to be installed in the fuel storage building. In a letter dated April 12, 2005 (ADAMS No. ML051150099), Entergy responded to a request for additional information (RAI) by the Nuclear Regulatory Commission (NRC) staff on February 25, 2005 (ADAMS No. ML050470515). Based on the information in the April 12 letter, the NRC staff has the following questions:

1. In its April 12 letter, Entergy stated in its response to RAI Question 2 that some of the protection provided by the programmable logic controller (PLC) system is as follows:

- Movement of the trolley north towards the fuel pool is only permitted if the following conditions are satisfied:
  - Turnbuckles are attached to the crane tie down points.
  - Cantilever arms are extended and locked in place.
  - Main transfer hoist is at operating elevation that allows HI-TRAC to clear south wall of spent fuel pit.

Describe, in sufficient detail, the logic that will prevent the occurrence of the following scenarios, and whether these protection schemes can be overridden by the operators:

- (a) movement of the trolley north towards the pool when the arms have not yet been extended and pinned in place;
  - (b) movement of the trolley when the main transfer hoist is at an operating elevation that does not allow the HI-TRAC to clear the south wall of the spent fuel pit; and
  - (c) movement of the trolley towards the pool when the turnbuckles have not been attached to the crane tie down points.
2. Describe how training will address operation of the crane and interlocks to provide some measure of defense-in-depth against the events described above.

Enclosure