

September 30, 2004

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

SUBJECT: INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3 - REQUEST FOR ADDITIONAL INFORMATION REGARDING BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY SUMP RECIRCULATION AT PRESSURIZED WATER REACTORS" (TAC NOS. MB9582 AND MB9583)

Dear Mr. Kansler:

On June 9, 2003, the Nuclear Regulatory Commission (NRC) issued Bulletin 2003-01, "Potential Impact of Debris Blockage on Emergency Sump Recirculation at Pressurized Water Reactors." In the Bulletin, the NRC requested addressees to provide information that either: (1) states that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions were analyzed and are in compliance with all existing regulatory requirements, or (2) describes any interim compensatory measures that have been or will be implemented to reduce the risk which may be associated with potentially degraded or nonconforming ECCS or CSS recirculation functions until an evaluation is complete. Addressees were requested to respond to the Bulletin within 60 days of its issuance.

By letter dated August 7, 2003, Entergy Nuclear Operations, Inc. (Entergy) provided a response to the Bulletin. The NRC staff is reviewing the information provided in the August 7 submittal and has determined that additional information is needed to complete its review. The specific questions are found in the enclosed request for additional information (RAI). During a telephone call on September 21, 2004, the Entergy staff indicated that a response to the RAI would be provided within 60 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 Nos. 50-247 and 50-286

Enclosure: As stated

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION  
REGARDING RESPONSE TO BULLETIN 2003-01  
ENTERGY NUCLEAR OPERATIONS, INC.  
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3  
DOCKET NOS. 50-247 AND 50-286

In a letter dated August 7, 2003 (ADAMS Accession No. ML032230161), Entergy Nuclear Operations (Entergy or the licensee) submitted its response to Bulletin 2003-01 (ADAMS Accession No. ML031600259) for Indian Point Nuclear Generating Unit Nos. 2 and 3 (IP2 and 3). The Nuclear Regulatory Commission (NRC) staff has the following questions regarding the information provided:

1. In item 1 of Attachment 1 of its August 7 response, Entergy stated a lesson plan was being prepared that would present the mechanisms and potential consequences of sump clogging and that the initial training cycles would be completed by January 2004. However, the NRC staff finds that the response does not completely discuss the operator training to be implemented.

Provide a detailed discussion of the new training the operators now receive, including the indications of sump clogging for which the operators are instructed to monitor. The NRC staff notes that on page 1 of Attachment 1 of the Bulletin response, Entergy stated that operators are trained to look for erratic flow as a symptom of sump clogging. However, it did not state that operators take advantage of other indications, such as pump amperage fluctuations or cavitation noises, that are likely to be available. Therefore, discuss all of the indications that operators are trained to monitor as being symptomatic of sump clogging.

2. In item 2 of Attachment 1, Entergy stated that it intended to participate in an Owners Group program that was being developed to assess potential changes to the generic [Westinghouse] Emergency Response Guidelines and that this information would be subsequently used to identify potential plant-specific changes to the Emergency Operating Procedures (EOPs) for IP2 and IP3. The NRC staff notes that the Westinghouse Owners Group (WOG) has developed operational guidance in response to Bulletin 2003-01 for Westinghouse and Combustion Engineering pressurized-water reactors.
  - a. Provide a discussion of Entergy's plans to consider implementing this new WOG guidance. Include a discussion of the WOG-recommended compensatory measures that have been or will be implemented at IP2 and 3 and the evaluations or analyses performed to determine which of the WOG recommended changes are acceptable at these facilities.
  - b. Provide the technical justification for those WOG recommended compensatory measures not being implemented.

Enclosure

- c. Include a detailed discussion of the procedures being modified, the operator training being implemented, and the schedule for implementing these compensatory measures.
- 3. NRC Bulletin 2003-01 provides possible interim compensatory measures licensees could consider to reduce risks associated with sump clogging. In addition to the compensatory measures listed in Bulletin 2003-01, licensees may also consider implementing unique or plant-specific compensatory measures, as applicable.
  - a. Provide a discussion of any possible unique or plant-specific compensatory measures being considered for implementation at IP2 and 3.
  - b. Discuss the basis for rejecting any of the additional compensatory measures that were considered.