

February 10, 2006

LICENSEE: NUCLEAR MANAGEMENT COMPANY, LLC

FACILITY: Prairie Island Nuclear Generating Plant, Units 1 and 2

SUBJECT: SUMMARY OF FEBRUARY 1, 2006, MEETING WITH
NUCLEAR MANAGEMENT COMPANY, LLC, ON EMERGENCY DIESEL
GENERATORS (TAC NOS. MC9001 AND MC9002)

On February 1, 2006, a Category 1 public meeting was held between the Nuclear Regulatory Commission (NRC) and representatives of Nuclear Management Company, LLC at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss Extension of Completion Time Extension License Amendment Request (LAR) for Emergency Diesel Generators (EDGs) of Prairie Island Nuclear Generating Plant, Units 1 and 2. A list of attendees is provided as Enclosure 1.

The licensee presented information on the LAR via slides which can be found in Agencywide Documents Access and Management System (ADAMS) Accession No. ML060330170. The presentation was on a LAR submitted by the licensee on November 21, 2006, to extend the completion time for EDGs at Prairie Island Nuclear Generating Plant, Units 1 and 2, from 7 to 14 days. The existing technical specifications (TS) for the EDGs and the proposed changes were discussed in detail. The licensee described the design strengths of Prairie Island Electrical Distribution System, and also addressed the capabilities of EDGs during a station blackout event. The later half of the presentation consisted of probabilistic risk assessment (PRA) and PRA Model description. PRA Model Updates, Completion Time Extension Analysis and the results of the analysis were discussed in further details.

The NRC staff presented/discussed/queried the licensee about the following:

Although the licensee provided clarification to some of the staff questions, a formal request for additional information is scheduled to be sent to the licensee by April 15, 2006.

1. The licensee was asked to provide the excess capacity of each EDG (that will be used as an alternate power source) beyond its normally available safe shutdown capability for the loss of offsite power (LOOP) condition. The excess capacity of the alternate power source should be sufficient to power LOOP loads of the inoperable EDG bus.
2. The licensee was also asked to add provision in the TS to include condition when the alternate AC source becomes inoperable during the extended allowed outage time (AOT).
3. The NRC staff stated that additional compensatory measures may be required for the proposed AOT.
4. The NRC staff asked for further clarification of their bus transfer schemes.

The licensee stated that fast bus transfer from auxiliary transformer to "start-up" transformer (not their designation) is for non-safety loads only (e.g., reactor coolant pumps feedwater pumps, and non-safety service water). The safety buses are normally tied to the grid from one of two sources connected to offsite power. If one of these experiences degraded voltage (and if the other one does not), the sequencer will do a "slow, dead bus transfer" to the alternate source. If neither has sufficient voltage, the diesel generators will start and load. There are some normally running pumps powered by the safety bus - charging, component cooling water (CCW) and safety-related service water. Some (e.g., CCW) will auto start by the sequencer after the bus transfer; others (e.g., charging) must be manually started.

5. The licensee stated that one of their open Facts and Observations from peer review involved their uncertainty analysis. When questioned, their PRA engineer stated the values provided in the LAR are point estimates.

6. The NRC staff asked the licensee whether their PRA models initiating events for both "site" and "unit" LOOP events. The licensee stated that their model only had the site LOOP initiating event. When NRC staff asked how they analyzed the LOOP data; the licensee stated that they culled out events that would only apply to a single unit at a multi-unit site.

7. When questioned, the licensee PRA engineer stated that the bus cross-tie human error probability was about $3E-3$.

Members of the public were not in attendance. Public Meeting Feedback forms were not received.

Please direct any inquiries to me at 301-415-8371, or mlc@nrc.gov.

/RA/

Mahesh L. Chawla, Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-282 and 50-306

Enclosure:
List of Attendees

cc w/encls: See next page

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Please direct any inquiries to me at 301-415-8371, or mlc@nrc.gov.

/RA/

Mahesh L. Chawla, Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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ADAMS Accession Number: **ML060400198**

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OFFICIAL RECORD COPY

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Units 1 and 2

cc:

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November 2005

List of Attendees

Nuclear Regulatory Commission

Mahesh Chawla - Project Manager - NRR/DORL
Tim Kobetz - Branch Chief - NRR/DORL

Technical Reviewers:

Steven Laur - NRR/DRA
Ogbonna Hopkins - NRR/DRA
Robert Clark - NRR/DIPM
Om Chopra - NRR/DE/EEEB
Andrew Howe - NRR/DRA

Nuclear Management Company

Gabe Salamon - Fleet Licensing Manager
Dale Vincent - Licensing Engineer
Mike Johnson - Electrical Design Engineer
Tom Asmus - Principal PRA Engineer
Chris Mund - Design Engineering Manager

ENCLOSURE