

November 28, 2006

LICENSEE: Exelon Generation Company, LLC
FACILITY: LaSalle County Station Units 1 and 2
SUBJECT: SUMMARY OF SEPTEMBER 19, 2006, PRE-APPLICATION MEETING WITH EXELON GENERATION COMPANY, LLC, WITH RESPECT TO ADDITIONAL INFORMATION REGARDING LICENSE AMENDMENT REQUEST FOR GANGED ROD WITHDRAWAL (TAC NOS. MD0360 AND MD0361)

On September 19, 2006, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Exelon Generation Company, LLC (Exelon) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss additional information needed by the NRC staff to review Exelon's proposed license amendment request (LAR) to change the licensing basis to allow ganged rod drive capability of the rod control management system (RCMS). The proposed LAR would incorporate the addition of a new accident description to the LaSalle County Station Updated Final Safety Analysis Report (UFSAR), Section 15.4.1.3, "Multiple Rod Withdrawal Error on Startup." The proposed LAR would allow motion of ganged rod groups as part of a new RCMS. Ganged rod motion will allow withdrawal of up to four rods in assigned groups during startup conditions.

Exelon presented information (Enclosure 2) in support of the LAR which the NRC staff will evaluate when submitted. The NRC staff discussed the LAR with Exelon and queried them regarding the following four areas:

- Intent of the LAR should be clearly defined.
- The LAR must clearly define the communication interface, as well as data interface, of the various RCMS components, and the interfaces between any external systems and the RCMS.
- The LAR should describe the controls (i.e., hardware and software) that restrict the maintenance display from selecting and controlling the movement of the rods.
- The LAR needs to address cyber security. Specifically, the LAR should fully describe the data ports into the RCMS from external sources, and the controls that will prevent unauthorized access to, and control of the RCMS. The submittal should include a network diagram, description of firewalls, and means/methods of intrusion detection.
- The LAR should describe the qualification of all RCMS components and equipment, including the identification of the manufacturer and model of the hardware components.

- The LAR should describe how, and to what extent the new RCMS displays and controls are used for RG 1.97, "Criteria For Accident Monitoring Instrumentation For Nuclear Power Plants," Rev. 4 (Agencywide Documents Access and Management System Accession No. ML061580448) and emergency operating procedures purposes.
- The LAR should describe how the RCMS system processes rod-block signals from both a hardware and software perspective.
- Failure Analysis
 - a. The LAR should provide an analysis of the potential single failures that could result in the uncontrolled withdrawal of a rod gang. The failure modes and effects analysis (FMEA) should also be submitted as an attachment to the LAR.
 - b. The LAR should clearly characterize the likelihood of a common-mode software failure, and should include a description of the software development and testing program that minimizes the probability of a common-mode software failure.
 - c. The LAR should describe what would happen if the low probability event (e.g., failures leading to the uncontrolled withdrawal of a rod gang) were to occur.
- The "No Significant Hazards Consideration," should address all NUREG-0800, "Standard Review Plan," Section 15 accidents that involve control rod movement.

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

Please direct any inquiries to me at 301-415-3154, or sps1@nrc.gov.

/RA/

Stephen P. Sands, Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-373 and 50-374

Enclosures:

1. List of Attendees
2. Licensee Handout

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