

April 28, 2005

LICENSEE: AmerGen Energy Company, LLC (AmerGen)
FACILITY: Three Mile Island Nuclear Station, Unit 1 (TMI-1)
SUBJECT: SUMMARY OF FEBRUARY 16-17, 2005, CATEGORY 1 WORKING-LEVEL MEETING WITH AMERGEN TO DISCUSS THE LICENSEE'S TMI-1 STEAM GENERATOR (SG) KINETIC EXPANSION (KE) INSPECTION AND ACCEPTANCE CRITERIA

On February 16-17, 2005, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC), and representatives of AmerGen, the licensee for TMI-1, and Exelon Generation Company, LLC, in the NRC Headquarters, located at One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to conduct a working-level discussion of the licensee's response to the NRC staff's issues with the licensee's TMI-1 SG KE inspection and acceptance criteria report dated October 4, 2002, as supplemented August 16, 2004 (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML022840503 and ML042370131).

AmerGen presented information on the history and background of the installed KEs and the schedule for replacement of SGs at TMI-1. The licensee addressed the seven categories of the NRC staff's issues: (1) suitability of leaving circumferential flaws in service, (2) Leakage assessment including a thermal hydraulic analysis model, (3) the basis for the assumption of no growth/no initiation of new flaws, (4) structural integrity assessment, (5) consistency with recent industry experience, (6) inspection practices/techniques, and (7) other issues, which were enumerated in the meeting agenda attached to the meeting notice (ADAMS Accession No. ML050340182).

The discussions centered on open issues with the criteria which are related to flaws located in the expanded portion of the tube within the hot-leg tubesheet. Two of the major outstanding issues pertain to the adequacy of the assumptions and inputs into the thermal hydraulic model and whether the licensee has selected the most limiting accident for assessing the structural and leakage integrity of the tubing. These issues must be resolved before the licensee can adopt the new SG technical specifications which will be the subject of a future NRC staff generic communication.

The licensee indicated a number of new commitments which would be formalized in the next revision of the KE inspection and acceptance criteria report including plugging circumferential cracks in the pressure boundary, conducting a 100% scope inspection each outage until SG replacement, and plugging of new indications.

CONTACT: T. Colburn, NRR
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AmerGen

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No members of the public other than the licensee were in attendance. No licensee attendees chose to complete any Public Meeting Feedback Forms (NRC Form 659) which were available at the meeting.

Enclosure 1 is a list of the meeting attendees, and Enclosure 2 is a copy of the licensee's slides presented at the meeting.

Please direct any inquiries to Timothy G. Colburn, Senior Project Manager, at 301-415-1402, or tgc@nrc.gov.

/RA/

Timothy G. Colburn, Senior Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-289

Enclosures: 1. List of Attendees
2. Licensee's Handout

cc w/encls: See next page

AmerGen

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/RA/

Timothy G. Colburn, Senior Project Manager, Section 1
Project Directorate I
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ACCESSION NUMBER: ML050970295

OFFICE	PDI-1/PM	PDI-2/LA	EMCB\SC	PDI-1/SC
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DATE	04/18/05	04/19/05	04/27/05	04/28/05

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LIST OF ATTENDEES

CATEGORY 1 WORKING-LEVEL MEETING

WITH AMERGEN ENERGY COMPANY, LLC

KINETIC EXPANSION INSPECTION AND ACCEPTANCE CRITERIA

FOR THREE MILE ISLAND NUCLEAR STATION, UNIT 1, STEAM GENERATOR TUBES

FEBRUARY 16-17, 2005

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1. T. Colburn	NRC/NRR/DLPM/PDI-1
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3. K. Karwoski	NRC/NRR/EMCB
4. C. Khan	NRC/NRR/EMCB
5. L. Lund	NRC/NRR/EMCB
6. R. Laufer	NRC/NRR/DLPM/PDI-1
7. C. Liang	NRC/NRR/DSSA/SRXB
8. R. Lorson	NRC/DRS/RGN-1
9. C. Smith	EXELON/AMERGEN/TMI-1
10. S. Leshnoff	EXELON/ENGINEERING
11. R. Freeman	EXELON/AMERGEN/ENGINEERING
12. D. Helker	EXELON/LICENSING
13. G. Navratil	EXELON/AMERGEN/NDE SERVICES
14. D. Distel	EXELON/LICENSING

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cc:

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