



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 2, 2010

LICENSEE: Nine Mile Point Nuclear Station, LLC

FACILITY: Nine Mile Point, Unit No. 2

SUBJECT: SUMMARY OF AUDIT RELATED TO THE REVIEW OF THE EXTENDED POWER UPRATE LICENSE AMENDMENT REQUEST FOR NINE MILE POINT NUCLEAR STATION, UNIT NO. 2 (TAC NO. ME1476)

Scope and Purpose

The Nuclear Performance and Code Review Branch (SNPB) is reviewing methods related to topics pertaining to the use of GE-Hitachi (GEH) and Global Nuclear Fuel (GNF) analytical methods for licensing analysis for Nine Mile Point, Unit No. 2 (NMP2) as part of the NMP2 extended power uprate (EPU) license amendment request (LAR). The SNPB staff in particular, has been reviewing the application of the generically approved interim methods licensing topical report (IMLTR, NEDC-33173P, "Applicability of GE Methods to Expanded Operating Domains") including the disposition of the limitations, conditions, and restrictions imposed on the IMLTR by the approving staff safety evaluation (SE).

In a request for additional information (RAI), question no. 1 (SNPB-1), the staff requested clarifying information regarding the applicability of the IMLTR power distribution uncertainty analysis to the NMP2 EPU (Agencywide Documents Access and Management System (ADAMS) Accession No. ML093190003). The staff requested clarification of a component uncertainty associated with the local power range monitor (LPRM) calibration in RAI SNPB-1.

By letter dated December 23, 2009 (ADAMS Accession No. ML100190072, Nine Mile Point Nuclear Station, LLC (NMPNS or the licensee) provided a response that references a comprehensive study that was performed by GEH/GNF. To independently verify the RAI response and to confirm its applicability to the NMP2 EPU LAR, the staff performed an audit of the documentation of the comprehensive study. The staff's audit plan is documented under ADAMS Accession No. ML100200360. The audit was conducted on January 29, 2010, and took place at the GEH offices in Washington, DC.

Audit Participation

Enclosed is a summary of the audit participants. The participants' attendance at the opening and closing meetings of the audit (via teleconference) is also noted in the summary table.

Audit Documentation

The staff audited the following proprietary GEH/GNF document:

eDRF 0000-0110-2896, "Evaluation of LPRM Update Uncertainty for 3DM/PANAC11,"
GE Hitachi Nuclear Energy, December 2009.

Conclusions

The SNPB staff reviewed the audit documentation and has determined that the scope of the comprehensive study is sufficient to encompass the operating conditions and LPRM calibration interval for NMP2 at EPU power levels. The staff reviewed the detailed results of the study. The study results provided in the audit documentation provide reasonable assurance that the uncertainty analysis is applicable to NMP2 at EPU power levels. The staff has independently verified the applicability of the study and confirmed that the response to RAI SNPB-1 is acceptable.

Please direct any inquiries to me at 301-415-1030, or Richard.Guzman@nrc.gov.

Sincerely,



Richard V. Guzman, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-410

Enclosure:
As stated

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**TABLE OF PARTICIPANTS FOR
THE AUDIT OF THE EXTENDED POWER UPRATE
LICENSE AMENDMENT REQUEST FOR
NINE MILE POINT NUCLEAR STATION, UNIT NO.2
GEH OFFICES, WASHINGTON, DC**

JANUARY 29, 2010

Table 1: Participation Summary

Name	Affiliation	Opening Meeting	Closing Meeting
Atul Karve	GEH	x	x
Bill Berg	GEH	x	x
Brian Moore	GEH		x
Garold Carlisle	GEH	x	x
Jim Harrison	GEH	x	x
John Rea	GEH	x	x
Patricia Campbell	GEH	x	x
Webb Mills	GEH	x	x
Bob Sochia	NMPNS	x	x
John Dosa	NMPNS	x	x
Theresa Darling	NMPNS	x	x
Anthony Mendiola	NRC	x	x
Peter Yarsky	NRC	x	x

Enclosure

Conclusions

The SNPB staff reviewed the audit documentation and has determined that the scope of the comprehensive study is sufficient to encompass the operating conditions and LPRM calibration interval for NMP2 at EPU power levels. The staff reviewed the detailed results of the study. The study results provided in the audit documentation provide reasonable assurance that the uncertainty analysis is applicable to NMP2 at EPU power levels. The staff has independently verified the applicability of the study and confirmed that the response to RAI SNPB-1 is acceptable.

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Sincerely,

/RA/

Richard V. Guzman, Senior Project Manager
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P. Yarsky,, NRR

T. Nakanishi, NRR

ADAMS Accession No. ML100850041 *Input provided by memo. No substantial changes made. NRR-106

OFFICE	DORL/LPL1-1/PM	DORL/LPL1-1/LA	SNPB/BC	DORL/LPL1-1/BC
NAME	RGuzman	SLittle	TMendiola*	JNBoska for NSalgado
DATE	3/03/10	3/03/10	2/04/10	4/02/10

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