



NUCLEAR ENERGY INSTITUTE

**Alan P. Nelson**  
DIRECTOR,  
EMERGENCY PREPAREDNESS  
NUCLEAR GENERATION DIVISION

June 20, 2007

Mr. Eric W. Weiss  
Chief, Licensing and Inspection Branch  
Division of Preparedness and Response  
Office of Nuclear Security and Incident Response  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**Subject:** *"Methodology for Development of Emergency Action Levels (for) Advanced Passive Light Water Reactors"*, NEI 07-01 - Response to Request for Additional Information dated March 21, 2007

**Project Number: 689**

Dear Mr. Weiss:

NEI submitted *"Methodology for Development of Emergency Action Levels (for) Advanced Passive Light Water Reactors"*, NEI 07-01, February 2007 for review and endorsement in Regulatory Guide 1.101, "Emergency Planning and Preparedness for Nuclear Power Reactors," on February 28th.

By letter dated March 21, 2007 NRC requested NEI provide additional information to aid in the technical review of NEI 07-01. NRC requested NEI to:

- Identify the unique design characteristics of the AP1000 and ESBWR designs
- Evaluate these unique design characteristics and determine if an EAL is warranted and to provide justification for each conclusion.

With the assistance of the vendors for the plant designs, NEI provides additional information in:

- Enclosure 1 – AP1000
- Enclosure 2 – ESBWR

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Based on the review of unique design characteristics, one Emergency Action Level, HU1.5, was added for the ESBWR, for internal flooding (based on a recent PRA update). Except for the flooding addition for ESBWR, no new Emergency Action Levels were identified.

The industry appreciates the priority and progress that the staff has made in their review of NEI 07-01 to date supporting our request for a September 2007 endorsement.

If you have any questions, please contact me at (202) 739-8110; [apn@nei.org](mailto:apn@nei.org) or Martin Hug at (202) 739-8129; [mth@nei.org](mailto:mth@nei.org).

Sincerely,

A handwritten signature in black ink, appearing to read "Alan Nelson", with a stylized flourish at the end.

Alan P. Nelson

Enclosures

c: Mr. Nader L. Mamish, NRC  
NRC Document Control Desk