



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

November 30, 2016

MEMORANDUM TO: Gregory T. Bowman, Acting Chief
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

FROM: Frankie G. Vega, Project Manager */RA/*
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF NOVEMBER 15, 2016, CATEGORY 2 PUBLIC
MEETING WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS
PROPOSED IMPLEMENTING GUIDANCE RELATED TO THE
IMPLEMENTATION OF NEAR-TERM TASK FORCE
RECOMMENDATION 2.1 SEISMIC

On November 15, 2016,¹ the U. S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting with the Nuclear Energy Institute (NEI) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of this meeting was to continue discussions on evaluation guidance for spent fuel pools (SFPs) at reactor sites with a seismic hazard greater than 0.8g (high ground motion response spectrum (GMRS) sites). This guidance is intended to address portions of Near-Term Task Force Recommendation 2.1: Seismic, of the March 12, 2012, NRC request for information issued pursuant to Title 10 to the *Code of Federal Regulations* Part 50, Section 50.54(f).²

The NRC staff and NEI representatives' discussions included the following meeting highlights:

1. The NEI representatives discussed the evaluation plans for the nine reactor sites with reevaluated seismic hazard peak spectral accelerations greater than 0.8g (high GMRS sites). The Electric Power Research Institute (EPRI) slides can be found under ADAMS Accession No. ML16319A274.

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¹The meeting notice is available via the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML16319A278.

² The 50.54(f) letter and Enclosure 1 are available under ADAMS Accession Nos. ML12053A340 and ML12056A047, respectively.

2. The NEI representatives stated that they plan to update EPRI Technical Report 3002007148, "Seismic Evaluation Guidance: Spent Fuel Pool Integrity Evaluation" to include this guidance for high GMRS sites. EPRI Report 3002007148 will then be replaced with an updated report including SFP guidance for both high and low GMRS plants. The draft report is available under ADAMS Accession No. ML16312A399. EPRI expects to submit this report to the NRC for endorsement at the end of January 2017.
3. The NEI representatives and NRC staff discussed a recently identified technical issue concerning current American Concrete Institute equations and the potential of overestimating the shear capacity of concrete structural members without shear reinforcement. The staff was interested in any potential impacts these new developments might have regarding the structural capacity of the SFPs. Both the NRC and NEI agreed to track this potential issue and that further analysis is still needed in order to assess any potential impacts to concrete structures in general.
4. Based on comments from the NRC staff, NEI representatives agreed to include details regarding the seismic adequacy of fuel transfer tubes in the finalized report.

No regulatory decisions or commitments were made during the meeting. The public was invited to observe the meeting and was given an opportunity to communicate with the NRC during the public meeting. The NRC staff received no meeting feedback forms and no public comments.

Enclosure:
List of Attendees

2. The NEI representatives stated that they plan to update EPRI Technical Report 3002007148, "Seismic Evaluation Guidance: Spent Fuel Pool Integrity Evaluation" to include this guidance for high GMRS sites. EPRI Report 3002007148 will then be replaced with an updated report including SFP guidance for both high and low GMRS plants. The draft report is available under ADAMS Accession No. ML16312A399. EPRI expects to submit this report to the NRC for endorsement at the end of January 2017.
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|--------|-----------------|------------|--------------------|-----------------|
| NAME | FVega | SLent | GBowman | FVega |
| DATE | 11/29/2016 | 11/28/2016 | 11/29/2016 | 11/30/2016 |

OFFICIAL RECORD COPY

List of Attendees

U.S. Nuclear Regulatory Commission
Public Meeting with the Nuclear Energy Institute

November 15, 2016

| Attendees | |
|---------------------------|---------------------|
| Name | Organization |
| Andrew Mauer | NEI |
| Greg Bowman | NRC/NRR |
| John Richards | EPRI |
| Brett Tegeler | Jensen Hughes |
| Brittain Hill | NRC/NRO |
| Brett Titus | NRC/NRR |
| Frankie Vega | NRC/NRR |
| Nilesh Chokshi | NRC/NRO |
| Phone Participants | |
| Greg Hardy | SGH |
| Bob Kennedy | |
| Luke McSweeney | NuScale Power |
| Brandon Haley | NuScale Power |
| Bruce Huhmann | Ameren Missouri |

Abbreviations:

EPRI - Electric Power Research Institute
NEI – Nuclear Energy Institute
NRO – Office of New Reactors
NRR – Office of Nuclear Reactor Regulation
RES – Office of Nuclear Regulatory Research
SGH – Simpson Gumpertz and Heger

Enclosure