



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

November 5, 2014

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
1101 Market Street, LP 3D-C
Chattanooga, TN 37402

SUBJECT: BELLEFONTE NUCLEAR PLANT, UNITS 1 AND 2 - REQUEST FOR
ADDITIONAL INFORMATION ASSOCIATED WITH NEAR-TERM TASK
FORCE RECOMMENDATION 2.1, SEISMIC HAZARD AND SCREENING
REPORT (TAC NOS. MF3944 AND MF3945)

Dear Mr. Shea:

By letter dated March 31, 2014¹, to the U. S. Nuclear Regulatory Commission (NRC), Tennessee Valley Authority (TVA), the licensee for Bellefonte Nuclear Plant, Units 1 and 2 (Bellefonte), submitted for NRC review the Seismic Hazard and Screening Report, Pursuant to Title 10 of the *Code of Federal Regulations* Part 50, Section 50.54(f), Response for Information Regarding Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident.

The NRC staff has reviewed the information provided for Bellefonte seismic hazard reevaluation and has determined that additional information is required to complete its review. Enclosed is a request for additional information (RAI) related to the specific source zones and Repeated Large Magnitude Earthquake used in calculating rock hazard at the Bellefonte site. As discussed with your staff on November 4, 2014, it was agreed that a response would be provided no later than December 4, 2014.

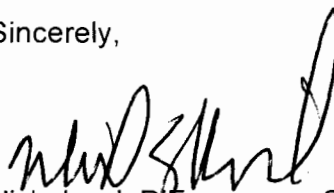
¹ Bellefonte Seismic Hazard Evaluation Report dated March 31, 2014, can be found under Agencywide Documents Access and Management System (ADAMS) Accession No. ML14098A478.

J. Shea

- 2 -

If you have any questions related to the enclosed RAIs or response date, please contact me at 301-415-1115 or via e-mail at Nicholas.Difrancesco@nrc.gov.

Sincerely,



MICHAEL BALAZEK
FDV

Nicholas J. DiFrancesco, Senior Project Manager
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

Docket Nos. 50-438 and 50-439

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION
NEAR-TERM TASK FORCE RECOMMENDATION 2.1
SEISMIC HAZARD AND SCREENING REPORT
BELLEFONTE NUCLEAR POWER PLANT, UNITS 1 AND 2
DOCKET NOS. 50-438 AND 50-439

By letters dated March 31, 2014¹, to the U. S. Nuclear Regulatory Commission (NRC), Tennessee Valley Authority (TVA), the licensee for Bellefonte Nuclear Plant, Units 1 and 2 (Bellefonte), submitted for NRC review the Seismic Hazard and Screening Report, Pursuant to Title 10 of the *Code of Federal Regulations* Part 50, Section 50.54(f) (hereafter referred to as the 50.54(f) letter), Response for Information Regarding Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident.

Review of specific source zones used in the Probabilistic Seismic Hazard Analysis (PSHA) at the Bellefonte site

Chapter 4 of the SPID guidance² requests that licensees provide a list of Central and Eastern United States - Seismic Source Characterization sources used in conducting site specific PSHA.

The NRC Staff has reviewed the information submitted and has determined that the following additional information below is needed to complete its review.

Consistent with the 50.54(f) letter and the SPID guidance, please supplement the Seismic Hazard Screening Report Section 2.2 with the specific source zones and Repeated Large Magnitude Earthquake used in calculating rock hazard at the Bellefonte site.

¹ Bellefonte Seismic Hazard Evaluation Report dated March 31, 2014, can be found under Agencywide Documents Access and Management System (ADAMS) Accession No. ML14098A478.

² The screening, prioritization, and implementation details (SPID) can be found under ADAMS Accession No. ML12333A170.

Enclosure

J. Shea

- 2 -

If you have any questions related to the enclosed RAls or response date, please contact me at 301-415-1115 or via e-mail at Nicholas.DiFrancesco@nrc.gov.

Sincerely,

/RA by Michael Balazik for/

Nicholas J. DiFrancesco, Senior Project Manager
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

Docket Nos. 50-438 and 50-439
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