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10 CFR 50.54(f)

December 15, 2016

Serial: BSEP 16-0112

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2
Renewed Facility Operating License Nos. DPR-71 and DPR-62
NRC Docket Nos. 50-325 and 50-324
Individual Plant Examination of External Events (IPEEE) Supplement to Seismic
Hazard Screening Report, Response to NRC Request for Information Pursuant to
10 CFR 50.54(f) Regarding Recommendation 2.1 of the Near-Term Task Force
Review of Insights from the Fukushima Dai-ichi Accident

References:

1. Nuclear Regulatory Commission (NRC) Letter, *Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident*, dated March 12, 2012, Agencywide Documents Access and Management System (ADAMS) Accession Number ML12053A340
2. NRC Letter, *Electric Power Research Institute Report [3002000704], Seismic Evaluation Guidance: Augmented Approach for the Resolution of Fukushima Near-Term Task Force Recommendation 2.1: Seismic, as an Acceptable Alternative to the March 12, 2012, Information Request for Seismic Reevaluations*, dated May 7, 2013, ADAMS Accession Number ML13106A331
3. Electric Power Research Institute (EPRI) 1025287, *Seismic Evaluation Guidance, Screening, Prioritization and Implementation Details (SPID) for the Resolution of Fukushima Near-Term Task Force Recommendation 2.1: Seismic*, dated November 2012, ADAMS Accession Number ML12333A170
4. NRC Letter, *Endorsement of Electric Power Research Institute Final Draft Report 1025287: "Seismic Evaluation Guidance*, dated February 15, 2013, ADAMS Accession No. ML12319A074
5. Duke Energy Letter, *Seismic Hazard and Screening Report (CEUS Sites), Response to NRC Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding the Seismic Aspects of Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident*, dated March 31, 2014, ADAMS Accession Number ML14106A461
6. NRC Letter, *Screening and Prioritization Results Regarding Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Seismic Hazard Reevaluations for Recommendation 2.1 of the Near-Term Task Force Reviews of Insights from the Fukushima Dai-ichi Accident*, dated May 9, 2014, ADAMS Accession Number ML14111A147

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7. NRC Letter, *Final Determination of Licensee Seismic Probabilistic Risk Assessments under the Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendation 2.1 "Seismic" of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident*, dated October 27, 2015, ADAMS Accession Number ML15194A015

Ladies and Gentlemen,

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued a Request for Information per 10 CFR 50.54(f) (i.e., Reference 1) to all power reactor licensees. The required response section of Enclosure 1 to that request indicated that licensees should provide a Seismic Hazard Evaluation and Screening Report within 1.5 years from the date of the letter for Central and Eastern United States (CEUS) nuclear power plants. By NRC letter dated May 7, 2013 (i.e., Reference 2), the date to submit the report was extended to March 31, 2014.

Reference 3 contains industry guidance and detailed information to be included in the Seismic Hazard Evaluation and Screening Report submittals. The industry guidance was endorsed by the NRC in Reference 4. In accordance with the screening, prioritization, and implementation details report (SPID) and Augmented Approach guidance (i.e., References 2, 3, and 4), the reevaluated seismic hazard is used to determine if additional seismic risk evaluations are warranted for a plant.

By letter dated March 31, 2014 (i.e., Reference 5), Duke Energy, LLC, submitted the Seismic Hazard Evaluation and Screening Report for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2. By letter dated May 9, 2014 (i.e., Reference 6), the NRC transmitted the results of the screening and prioritization review of the seismic hazards reevaluation for all power reactor licensees including BSEP, Units 1 and 2.

By letter dated October 27, 2015 (i.e., Reference 7), the NRC transmitted the Final Determination of Licensee Seismic Probabilistic Risk Assessments under the request for information for BSEP, Units 1 and 2. As noted in the October 27, 2015, NRC letter, BSEP is to conduct an Individual Plant Examination of External Events (IPEEE) relay review.

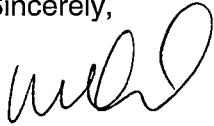
The purpose of this letter is to inform the NRC that the IPEEE relay review for BSEP, Unit Nos. 1 and 2, is complete.

This letter contains no new Regulatory Commitments.

If you have any questions regarding this submittal, please contact Mr. Lee Grzeck, Manager - Regulatory Affairs, at (910) 457-2487.

I declare under penalty of perjury that the foregoing is true and correct. Executed on
December 15, 2016.

Sincerely,

A handwritten signature in black ink, appearing to read "WRG", written in a cursive style.

William R. Gideon

U.S. Nuclear Regulatory Commission
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cc:

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