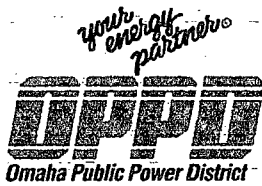


~~Withhold from Public Disclosure Under 10 CFR 2.390.
Enclosure Contains Security-Related Information.~~

Upon Removal of Enclosure, This Letter and its Attachment are Decontrolled.



444 South 16th Street Mall
Omaha, NE 68102-2247

10 CFR 50.54(f)

LIC-15-0129
November 4, 2015

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

Fort Calhoun Station, Unit No. 1
Renewed Facility Operating License No. DPR-40
NRC Docket No. 50-285

Subject: Addendum to Response to Request for Information Regarding Flooding Aspects of Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident- Fort Calhoun Station Flood Hazard Reevaluation Report

- References:**
1. Letter from OPPD (L. P. Cortopassi) to NRC (Document Control Desk), "Response to Request for Information Regarding Flooding Aspects of Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident- Fort Calhoun Station Flood Hazard Reevaluation Report," dated February 4, 2015 (LIC-15-0015) (ML15042A127)
 2. Email from NRC (Tekia Govan) to NPPD (Brenda Kirkpatrick) and OPPD (Michael Edwards), "Ft Calhoun/Cooper Audit Status," dated July 8, 2015

The purpose of this letter is to provide the dam failure 2D TUFLOW model results. As such, Enclosure 1 provides Addendum 1 to the Flood Hazard Reevaluation Report (FHRR) submitted by the Omaha Public Power District (OPPD) in February 2015 (Reference 1).

As noted in Reference 2, during the Nuclear Regulatory Commission (NRC) FHRR joint audit of OPPD and the Nebraska Public Power District (NPPD), the staff was informed that a dam failure scenario utilizing the 2D TUFLOW model would be developed for both Cooper Nuclear Station (CNS) and FCS. This analysis provides a more explicit representation of flow velocities, water depths, and channel/overbank velocity distributions.

During the development of the 2D TUFLOW Model, OPPD was asked to conduct a sensitivity analysis on extending the upstream boundary to a point above the Soldier River. The results of that sensitivity analysis presented during the audit show that there are negligible differences in water surface elevation (WSEL) and flow distributions between the original and extended upstream boundary 2D TUFLOW models.

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A010
NRR

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U. S. Nuclear Regulatory Commission
LIC-15-0015
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The enclosed Addendum supersedes Section 2.3.2.3 (Water Levels and Time to Peak Water Levels) and 2.3.2.4 (Velocities) of the Reference 1 FHRR and the figures and tables referenced in those sections.

Please note that results from Sections 2.3.2.3 and 2.3.2.4 are used in Section 2.3.3 (Combined Effects), Section 2.3.4 (Associated Flooding Impacts) and Section 3.3 (Dam Breaches and Failures), which have not been updated. OPPD will update FHRR Sections 2.3.3, 2.3.4, and 3.3 and submit a full revision to the FHRR including incorporation of the enclosed Addendum, by September 30, 2016.

The Enclosure contains security-related information and OPPD requests that it be withheld from public disclosure in accordance with 10 CFR 2.390.

I declare under penalty of perjury that the foregoing is true and correct. Executed on November 4, 2015.

Respectfully,



Edwin D. Dean
Plant Manager

EDD/JKG/mle

Attachment: Summary of Regulatory Commitments

Enclosure: Fort Calhoun Station, Flood Hazard Reevaluation Report, Addendum 1 (SL-013016) Revision 2

- c: W. M. Dean, Director of Office of Nuclear Reactor Regulation (w/o Enclosure)
- M. L. Dapas, NRC Regional Administrator, Region IV (w/o Enclosure)
- C. F. Lyon, NRC Senior Project Manager
- T. V. Govan, NRC Project Manager
- S. M. Schneider, NRC Senior Resident Inspector (w/o Enclosure)

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Enclosure Contains Security Related Information.~~

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Attachment
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Summary of Regulatory Commitments

The following table identifies commitments made in this document. (Any other actions discussed in the submittal represent intended or planned actions. They are described to the NRC for the NRC's information and are not regulatory commitments.)

| Commitment | Committed Date or Outage | Commitment Type | |
|---|--------------------------|--------------------------|-----------------------|
| | | One-Time Action (Yes/No) | Programmatic (Yes/No) |
| OPPD will update FHRR Sections 2.3.3, 2.3.4, and 3.3 and submit a full revision to the FHRR including incorporation of the enclosed addendum. | September 30, 2016 | Yes | No |

~~Withhold from Public Disclosure Under 10 CFR 2.390.
Enclosure Contains Security Related Information.~~

Upon Removal of Enclosure, This Letter and its Attachment are Decontrolled.