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Director, Nuclear Licensing

10 CFR 50

CNRO2018-00053

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

Subject: Schedule Change to Open Phase Condition Detection Implementation

Grand Gulf Nuclear Station, Unit 1 Docket No. 50-416 License No. NPF-29	Waterford 3 Steam Electric Station Docket No. 50-382 License No. NPF-38
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River Bend Station, Unit 1 Docket No. 50-458 License No. NPF-47	Palisades Nuclear Plant Docket 50-255 License No. DPR-20
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- Reference:
1. Nuclear Energy Institute letter to the NRC, Industry Initiative on Open Phase Condition, dated October 9, 2013, (Accession No. ML13333A147).
  2. Nuclear Energy Institute letter to the NRC, "Industry Initiative on Open Phase Condition, Revision 1, dated March 16, 2015, (Accession No. ML15075A455).
  3. Entergy Letter to NRC, "Nuclear Energy Institute Commitments", dated March 9, 2018, (Letter Number CNRO-2018-0006).
  4. Nuclear Energy Institute letter to the NRC, "Industry Initiative on Open Phase Condition, Revision 2, dated September 20, 2018, (Accession No. ML18268A114).
  5. Entergy Letter to NRC, "Request for Additional Information Regarding Response to Bulletin 2012-01, "Design Vulnerability in Electric Power System", dated December 20, 2013." dated February 3, 2014, (Letter Number GNRO-2014/00009).
  6. Entergy Letter to NRC, "Response to Request for Additional Information Regarding Response to Bulletin 2012-01, Design Vulnerability in Electric Power System," dated January 31, 2014, (Letter Number RBG-47430).

7. Entergy Letter to NRC, "Response to Request for Additional Information Regarding Response to Bulletin 2012-01, Design Vulnerability in Electric Power System", dated February 3, 2014, (Letter Number W3F1-2014-0008).
8. Entergy Letter to NRC, "Response to Request for Additional Information NRC Bulletin 2012-01", dated January 30, 2014, (Letter Number PNP 2014-007).

Entergy Operations, Inc. and Entergy Nuclear Operations, Inc. (Entergy) are revising the implementation schedule for open phase condition for Grand Gulf Nuclear Station, River Bend Station, Waterford 3 Steam Electric Station, and Palisades Nuclear Plant. In 2014, these plants committed to the generic schedule as provided in Nuclear Energy Institute (NEI) Industry Initiative on Open Phase Condition (Reference 1). Subsequently, in Reference 2, NEI revised the voluntary industry initiative generic schedule for Open Phase. Entergy withdrew its membership from NEI in February 2018, as discussed in Reference 3, but the withdrawal did not impact prior commitments to NEI documents or commitments made by NEI on behalf of Entergy. Recently, NEI revised the implementation schedule in Reference 4. Entergy is no longer a member of NEI; however, Grand Gulf Nuclear Station, River Bend Station, and Waterford 3 Steam Electric Station will adhere to the implementation schedule established in Reference 4. Palisades has established an implementation date of December 31, 2020 for their Safeguards Transformer 1-1, which is also consistent with Reference 4.

References 5 through 8 provided a summary of the interim corrective actions taken at Grand Gulf Nuclear Station, River Bend Station, Waterford 3 Steam Electric Station, and Palisades Nuclear Plant to ensure plant operators can promptly diagnose and respond to an open phase condition. However, consistent with Reference 4, these plants, except as noted above for Palisades, have implemented design changes in a monitoring mode with an alarm response process for operators to take action if the system detects the presence of an open phase condition. These actions supersede the interim corrective actions.

This letter contains no new regulatory commitments. If you have any questions, please contact Mr. Philip Couture, Manager, Fleet Licensing Programs, at (601) 368-5102.

Respectfully,



Mandy K. Halter

MKH/gpn

cc: NRC Regional Administrator (Regions III and IV)  
NRC Project Managers (Entergy, (GGNS, PAL, RBS, WF3)  
NRC Senior Resident Inspector (GGNS, PAL, RBS, WF3)