



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

August 23, 2021

Alex Amparo  
Senior Official Performing  
the Duties of Deputy Administrator, Resilience  
Federal Emergency Management Agency  
400 C Street SW  
Washington, DC 20024

SUBJECT: CALLAWAY ENERGY CENTER ALERT AND NOTIFICATION SYSTEM  
EVALUATION REPORT

Dear Mr. Amparo:

On behalf of the U.S. Nuclear Regulatory Commission (NRC), I am responding to your letter dated July 8, 2021, which provided the Federal Emergency Management Agency (FEMA) approval of the revised Callaway Energy Center (CEC) Alert and Notification System (ANS) Evaluation Report (Report)<sup>1</sup> dated March 24, 2021.

As described in the CEC ANS Report, the proposed CEC Plant Emergency Planning Zone Prompt Notification System will consist of a combination of the Integrated Public Alert and Warning System/Emergency Alert System and Wireless Emergency Alert (IPAWS/EAS and IPAWS/WEA), outdoor warning sirens, indoor emergency alert radio receivers, and route alerting. At the Site Area Emergency, CEC will utilize Osage County to activate its primary means of notification, IPAWS/EAS and IPAWS/WEA, while Callaway, Montgomery, and Gasconade counties, as well as the Missouri State Emergency Management Agency, will serve as back-ups for primary activation. The Report further states that CEC will activate its backup ANS system which consists of outdoor warning sirens, indoor tone alert radios, and route alerting in parallel with the activation of the primary notification systems.

Per Section III, Paragraph 2 of the "Memorandum of Understanding (MOU) between the Department of Homeland Security/Federal Emergency Management Agency AND the Nuclear Regulatory Commission Regarding Radiological Emergencies, Planning, and Preparedness," which was signed on November 19, 2015:<sup>2</sup>

"FEMA coordinates all Federal planning for offsite impact of radiological emergencies and takes the lead for assessing offsite radiological emergency response plans and preparedness, makes findings and determinations as to the adequacy and capability of implementing offsite plans, and communicates those findings and determinations to the NRC. The NRC reviews FEMA's findings and determinations in conjunction with the NRC onsite findings for the purpose of making determinations on the overall state of emergency preparedness. These overall findings and determinations are used by the NRC to make radiological health and safety decisions in the issuance of licenses and

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<sup>1</sup> NRC's Agencywide Documents Access and Management System (ADAMS) Accession No. ML21218A144

<sup>2</sup> ADAMS Accession No. ML15344A371

the continued operation of licensed utilization facility to include taking enforcement actions such as notices of violations, civil penalties, orders, or shutdown of operating reactors. This delineation of responsibilities avoids duplicative efforts by the NRC in preparedness matters.”

Consistent with the roles of each respective agency as set forth in the aforementioned MOU, the NRC conducted a review of the FEMA findings. To aid its review, the NRC utilized the FEMA evaluation criteria and sample template for ANS changes and use of IPAWS.<sup>3</sup> The NRC review focused on the applicable requirements in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50, Appendix E, Section IV.D.3. 10 CFR 50, Appendix E, Section IV.D.3.

Additionally, the NRC evaluated the CEC ANS Evaluation Report dated March 24, 2021 and found that it contained sufficient information to be considered an adequate submittal for NRC to conduct its review. At this time, the NRC did not identify any licensing basis issues.

In conclusion, the NRC accepts the findings of FEMA that the updated CEC ANS Evaluation Report dated March 24, 2021 meets the applicable requirements in 10 CFR 50, Appendix E, Section IV.D.3, and, enables the NRC to maintain its finding of reasonable assurance for public health and safety.

Please feel free to contact my staff, Robert Kahler, Chief, Policy and Oversight Branch at (301) 287-3756 or at [Robert.Kahler@nrc.gov](mailto:Robert.Kahler@nrc.gov), if you have questions.

Sincerely,



Johnson, Robert signing on behalf  
of Brock, Kathryn  
on 08/23/21

Kathryn M. Brock, Director  
Division of Preparedness and Response  
Office of Nuclear Security and Incident Response

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<sup>3</sup> ADAMS Accession No. ML19339G862

CALLAWAY ENERGY CENTER ALERT AND NOTIFICATION SYSTEM EVALUATION REPORT DATE  
August 23, 2021

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