



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

December 20, 2016

Mr. John Sauger  
General Manager  
Zion Restoration Project  
ZionSolutions LLC  
101 Shiloh Blvd.  
Zion, IL 60099-2797

SUBJECT: ISSUANCE OF AMENDMENTS RELATED TO CHANGES TO A PROPOSED  
REVISION TO THE ZION NUCLEAR POWER STATION DEFUELED STATION  
EMERGENCY PLAN (TAC NOS. L53114 AND L53115)

Dear Mr. Sauger:

The U.S. Nuclear Regulatory Commission (NRC) is issuing the enclosed Amendment Nos. 190 and 177 to Facility License Nos. DPR-39 and DPR-48 for the ZionSolutions, Zion Nuclear Power Station (ZNPS), Units 1 and 2. This amendment is in response to your application dated January 7, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16008B080), as supplemented by letter dated June 22, 2016 (ADAMS Accession No. ML16176A208). These amendments revises the Zion Nuclear Power Station licenses to approve the revised Emergency Plan.

As discussed in the enclosed safety evaluation, the NRC staff has reviewed the proposed changes to the ZNPS Defueled Station Emergency Plan and concluded that the proposed changes meet the applicable standards in Paragraph (b) to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50.47, "Emergency plans," and the requirements of Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities" to 10 CFR 50, and provide reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency at the ZNPS site.

Therefore, the licensee's proposed changes to the ZNPS Defueled Station Emergency Plan, as outlined in the letters referenced above, are considered acceptable. The Commission's regular biweekly *Federal Register* notice will include the Notice of Issuance of this amendment.

As required by Section 51.21 of 10 CFR, the NRC performed an environmental assessment with respect to the proposed license amendment. The NRC determined that the proposed action will not have a significant effect on the quality of the human environment because amending the licenses to revise the ZNPS Defueled Station Emergency Plan to reflect the transfer of all spent nuclear fuel to a dry cask independent spent fuel storage installation (ISFSI) will not result in any significant radiological or non-radiological environmental impacts. Accordingly, on the basis of the environmental assessment the NRC has determined that a finding of no significant impact is appropriate. Based on that determination, no environmental impact statement is required for the proposed action.

The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration (81 FR 10683; March 1, 2016), and there has been no public comment on such finding. Approval of this amendment request involves no significant hazards consideration; no significant change in the types or significant increase in the amounts of any effluents that may be released offsite; and no significant increase in individual or cumulative public or occupational radiation exposure.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions regarding this action please contact me at 301-415-3017 or [John.Hickman@nrc.gov](mailto:John.Hickman@nrc.gov).

Sincerely,

**/RA/**

John B. Hickman, Project Manager  
Reactor Decommission Branch  
Division of Decommissioning, Uranium Recovery,  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

Docket Nos.: 50-295 and 50-304  
License Nos.: DPR-39 and DPR-48

Enclosures:

1. Amendment to DPR-39
2. Amendment to DPR-48
3. Safety Evaluation

cc: w/enclosures Zion Service List

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Sincerely,

/RA/

John B. Hickman, Project Manager  
Reactor Decommission Branch  
Division of Decommissioning, Uranium Recovery,  
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## **Zion Nuclear Power Station, Units 1 and 2 Service List**

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