ZIONSOLUTIONS LLC
An EnergySolutions Company

10 CFR 50.4

December 1, 2016 ZS-2016-0120

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

Zion Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-39 and DPR-48
NRC Docket Nos. 50-295, 50-304 and 72-1037

Subject: Request for Issuance of Zion Nuclear Power Station Emergency Plan

References:

1) Gerard van Noordennen, Zion*Solutions,* letter to U.S. Nuclear Regulatory Commission, "License Amendment Request for Proposed Revision to Zion Nuclear Power Station Defueled Station Emergency Plan" dated January 7, 2016.
2) No Significant Hazards Consideration (NSHC) published in Federal Register October 25, 2016 (81 FR 73431) for the Kewaunee Power Station Permanently Defueled Emergency Plan (ML15261A238).

Zion*Solutions,* LLC (ZS) submitted a License Amendment Request (LAR) for a revision of the Defueled Station Emergency Plan as documented in Reference 1. The LAR submittal requested approval of a transition to an Independent Spent Fuel Storage Installation (ISFSI)-Only Emergency Plan.

Safe Transition to an ISFSI only Emergency Plan is contingent on reducing plant side curie content to a level where a credible scenario no longer exists which could trigger a plant side Emergency Action Level (EAL) Threshold Value. Based on current decommissioning conditions, ZS has concluded by calculation and the establishment of administrative controls that the current plant side curie inventory can no longer trigger an EAL threshold value. Therefore, consistent with the ISFSI-only Emergency Plan at Kewaunee Power Station (Reference 2), ZS is requesting approval and issuance of the referenced LAR at this time in support of ongoing decommissioning activities.

There are no regulatory commitments contained in this letter. If you should have any questions regarding this submittal, please contact me at (224) 789-4025.

Respectfully,

Gerard van Noordennen
Vice President Regulatory Affairs

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NMSS01
NMSS26
NMSS

cc: John Hickman, U.S. NRC Senior Project Manager
Service List

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Zion Nuclear Power Station, Unit 1 and 2 License Transfer Service List

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