

~~SAFEGUARDS INFORMATION~~



10 CFR 72.4

January 10, 2012

ZS-2012-0013

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Director, Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Zion Nuclear Power Station
Independent Spent Fuel Storage Installation
NRC Docket No. 72-1037

Subject: Response to NRC Order EA-11-268, Implementation of Additional Security Measures and Fingerprinting for Unescorted Access for Zion Nuclear Power Station Independent Spent Fuel Storage Installation

In accordance with NRC Order EA-11-268 (Reference 1), ZionSolutions, LLC (ZionSolutions) hereby provides a response to Sections III.B and III.C of the Order in the compliance matrix contained in Enclosure 1. The matrix includes a schedule for achieving compliance with the requirements described in Attachments 1 and 2 of the Order.

Construction of the Zion Nuclear Power Station Independent Spent Fuel Storage Installation (ISFSI) is scheduled to begin in Spring 2012 and be completed by December 2012. Transfer of the spent fuel and Greater-Than Class C (GTCC) low level radioactive waste from the Zion Nuclear Power Station to the ISFSI is scheduled to begin in February 2013. In accordance with Section III.A of the Order, draft procedures and plans will be available to demonstrate ZionSolutions' ability to comply with the requirements in Attachments 1 and 2 of the Order by December 20, 2012 or by 90 days before the first spent fuel dry cask storage canister is placed on the ISFSI pad, whichever is earlier. ZionSolutions will inform the NRC Project Manager when the actions discussed in this matrix have been completed and are ready for review and inspection. Implementation of the procedures and plans will be completed prior to placing the first spent fuel dry cask storage canister on the pad.

This letter is decontrolled upon removal from this document. Pursuant to 10 CFR 72.4, ZionSolutions is requesting the NRC withhold Enclosure 1 of this letter from public disclosure as it contains Safeguards Information of a type specified in 10 CFR 73.22(a)(1) and 10 CFR 73.22(a)(4). In accordance with 10 CFR 2.390, a copy of this cover letter, when detached from Enclosure 1, does not contain Safeguards Information.

~~Safeguards Information~~
~~Withhold Under 10 CFR 2.390~~

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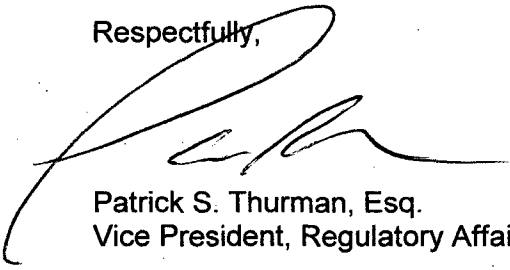
In accordance with 10 CFR 72.4, ZionSolutions is notifying the State of Illinois of this response to NRC Order EA-11-268 by transmitting a copy of this letter to the designated State Official.

If you have any questions regarding this submittal, please contact me at (224) 789-4041.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on January 10, 2012.

Respectfully,



Patrick S. Thurman, Esq.
Vice President, Regulatory Affairs, Licensing & Document Control

Reference:

- 1) Daniel H. Dorman, Acting Director, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, letter to John A. Christian, President, ZionSolutions, LLC, " Issuance of Order for Implementation of Additional Security Measures and Fingerprinting for Unescorted Access for Zion Nuclear Power Station Independent Spent Fuel Storage Installation", dated December 20, 2011

Enclosure:

- (1) Zion ISFSI Security Order Compliance Matrix

cc: Regional Administrator, Region III, U.S. NRC
L. Raynard Wharton, U.S. NRC Senior Project Manager
NRC Lead Inspector, Region III, U.S. NRC
Service List (w/o Enclosure 1)

Safeguards Information
Withhold Under 10 CFR 2.390

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