



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III**

2443 Warrenville Road, Ste 210
Lisle, IL 60532-4362

February 13, 2013

Mr. Patrick Daly, Senior Vice-President
and General Manager
ZionSolutions, LLC
101 Shiloh Boulevard
Zion, IL 60099

SUBJECT: NRC INSPECTION REPORT 05000295/12011(DNMS); 05000304/12011(DNMS) –
ZION NUCLEAR POWER STATION

Dear Mr. Daly:

On January 15, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed inspection activities for the fourth calendar quarter of 2012 at the permanently shut-down Zion Nuclear Power Station in Zion, Illinois. The purpose of the inspection was to determine whether decommissioning activities were conducted safely and in accordance with NRC requirements. The enclosed report presents the results of this inspection, which were discussed onsite with Messrs. Thurman and Beckman on February 6, 2013.

During the inspection period, the NRC inspectors reviewed aspects of the radiation protection program; radioactive waste processing and transportation including the shipment of irradiated hardware in the NRC approved Type B cask; and the associated measures to meet the requirements imposed by NRC Order EA-05-006 for increased control of certain quantities of radioactive material during transport. In addition, the inspectors evaluated your staffs' performance and subsequent critique during a planned emergency preparedness exercise.

The inspection consisted of an examination of activities at the site as they relate to safety and compliance with the Commission's rules and regulations. Areas examined during the inspection are identified in the enclosed report. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observation of work activities, independent radiation measurements, and interviews with personnel.

Based on the results of this quarterly inspection, no violation of NRC requirements was identified.

In accordance with Title 10 of the Code of Federal Regulations (CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be made available electronically for public inspection in the NRC's Agencywide Document Access and Management System (ADAMS), accessible

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P. Daly

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We will gladly discuss any questions you may have regarding this inspection.

Sincerely,

/RA/

Christine Lipa, Chief
Materials Control, ISFSI, and
Decommissioning Branch
Division of Nuclear Materials Safety

Docket Nos. 050-00295; 050-00304
License Nos. DPR-39; DPR-48

Enclosure:
Inspection Report No. 05000295/12011(DNMS);
05000304/12011(DNMS) (Non Public)

cc w/encl: Patrick Thurman, ZionSolutions, LLC
Gary Bouchard, ZionSolutions, LLC
Alan Parker, EnergySolutions
John Christian, EnergySolutions

cc w/o encl: Suzi Schmidt, Illinois General Assembly
JoAnn D. Osmond, Illinois General Assembly
Barry A. Burton, Lake County Administrator
Mark C. Curran, Jr., Lake County Sheriff
Laurie Cvengros, Village Clerk, Village of Beach Park, Illinois
Willard R. Helander, Lake County Clerk
Jana Lee, Village Clerk, Village of Winthrop Harbor, Illinois
Judy L. Mackey, City Clerk, City of Zion, Illinois
Irene T. Pierce, Lake County, Illinois
Kent McKenzie, Lake County Emergency Management Agency

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Letter to Patrick Daly from Christine A. Lipa dated February 13, 2013

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ZION NUCLEAR POWER STATION

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