



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III**

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

July 12, 2013

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

SUBJECT: NRC INSPECTION REPORT 05000295/2013009(DNMS); 05000304/2013009(DNMS) –
ZION NUCLEAR POWER STATION

Dear Mr. Daly:

On June 20, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed onsite inspection activities for the second calendar quarter of 2013 at the permanently shut-down Zion Nuclear Power Station (ZNPS) 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 with you and other members of your staff on June 20, 2013.

During the inspection period, the NRC inspector reviewed aspects of the occupational radiation protection program, the problem identification and resolution program and observed work activities in Units 1 and 2. The inspector also reviewed the circumstances and the remedial actions associated with recent self-identified incidents documented in your corrective action program.

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, two violations of regulatory requirements that are of more than minor safety significance were identified. These violations are categorized at Severity Level IV (very low safety significance). However, because both these violations are of very low safety significance, were self-identified and documented in your corrective action program, the NRC is treating these issues as non-cited violations (NCVs) in accordance with Section 2.3.2 of the NRC Enforcement Policy.

**Enclosure Contains Sensitive Unclassified
Non-Safeguards Information. When
separated from enclosure, this transmittal
document is decontrolled.**

P. Daly

- 2 -

No response is required for the non-cited violations. However, if you contest the subject or severity level of the NCVs, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001, with copies to the Regional Administrator, Nuclear Regulatory Commission – Region III; and the Director, Office of Enforcement, Washington, DC.

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 Public Document Room or from the NRC's Agencywide Document Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. Since the enclosed inspection report contains security related information and must be protected from unauthorized disclosure, the enclosure will not be made available for public inspection.

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

Sincerely,

/RA/

Robert J. Orlikowski, 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 Nos.: 05000295/2013009(DNMS);
05000304/2013009(DNMS) (Non Public)

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

cc w/o encl: Zion Distribution Service List

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~

P. Daly

- 3 -

No response is required for the non-cited violations. However, if you contest the subject or severity level of the NCVs, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001, with copies to the Regional Administrator, Nuclear Regulatory Commission – Region III; and the Director, Office of Enforcement, Washington, DC.

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 Public Document Room or from the NRC's Agencywide Document Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. Since the enclosed inspection report contains security related information and must be protected from unauthorized disclosure, the enclosure will not be made available for public inspection.

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

Sincerely,

/RA/

Robert J. Orlikowski, 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 Nos.: 05000295/2013009(DNMS);
05000304/2013009(DNMS) (Non Public)

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

cc w/o encl: Zion Distribution Service List

DISTRIBUTION w/encl:

See next page

ADAMS Accession Number: ML13198A058

DOCUMENT NAME: G:\DNMS\Work in progress\IR -Zion Insp Report 2013-009_public.docx

Publicly Available Non-Publicly Available Sensitive Non-Sensitive

To receive a copy of this document, indicate in the concurrence box "C" = Copy without attach/encl "E" = Copy with attach/encl "N" = No copy

OFFICE	RIII DNMS		RIII DNNMS	N	RIII DNMS		RIII DNMS	
NAME	WJSlawinski:ps WJS		ROrlikowski RJO					
DATE	07/11/13		07/12/13					

OFFICIAL RECORD COPY

~~OFFICIAL USE ONLY SECURED RELATED INFORMATION~~

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~

Letter to Patrick Daly from Robert J. Orlikowski, dated July 12, 2013

SUBJECT: NRC INSPECTION REPORT 05000295/2013009(DNMS); 05000304/2013009(DNMS) –
ZION NUCLEAR POWER STATION

DISTRIBUTION w/encl:

Bruce Watson
John Hickman
Anne Boland
Ann Marie Stone
Harral Logaras
Alan Barker
Carol Ariano
Linda Linn
Tammy Tomczak
MCID Branch

~~OFFICIAL USE ONLY SECURED RELATED INFORMATION~~