



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

December 21, 2015

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

SUBJECT: ZION NUCLEAR POWER STATION MASTER INSPECTION PLAN –
CALENDAR YEAR 2016

Dear Mr. Sauger:

In accordance with the U.S. Nuclear Regulatory Commission (NRC) Inspection Manual Chapter (IMC) 2561, "Decommissioning Power Reactor Inspection Program," and IMC 2690, "Inspection Program for Dry Cask Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations and for Title 10 of the *Code of Federal Regulations* (CFR) Part 71 Transportation Packagings," the NRC Region III staff developed a Master Inspection Plan (MIP) for the Zion Station for calendar year 2016. The inspection plan is based on your current performance in executing the site decommissioning project and your planned decommissioning activities for the site in January through December 2016. The plan outlines how we intend to focus our regional inspection resources to provide oversight for decommissioning activities including the Independent Spent Fuel Storage Installation.

The MIP is based, in part, on your proposed schedule of decommissioning activities for calendar year 2016. As a result, the plan and the focus of inspection activities may change to reflect those activities or your performance. In order to ensure that this MIP remains current, we request that you keep the Materials Control, ISFSI, and Decommissioning Branch (MCID) staff informed of any significant changes in your proposed schedule of decommissioning activities. You will be informed of significant changes to our plans for inspections at the Zion site.

Since the site initiated significant decommissioning activities in 2011, and those activities are planned to continue throughout 2016, the NRC regional office intends to perform nominally one routine onsite decommissioning safety inspection per month. Additionally, we intend to complete an ISFSI inspection and 10 CFR Part 37 material security review as provided in Temporary Instruction (TI) 2800/041 Revision 1.

The following is a list of the inspection procedures we expect to use during our inspections in 2016. The procedures used during each inspection will depend on the specific activities being conducted at the site. Additional discretionary inspection procedures may be used if decommissioning or ISFSI activities warrant.

<u>Inspection Procedure</u>	<u>Title</u>
IP 37801	Safety Reviews, Design Changes, and Modifications

<u>Inspection Procedure</u>	<u>Title</u>
IP 40801	Self-Assessment, Auditing, and Corrective Action
IP 62801	Maintenance and Surveillance
IP 71801	Decommissioning Performance and Status Review
IP 82401	Decommissioning Emergency Preparedness Scenario Review and Exercise Evaluation
IP 82501	Decommissioning Emergency Preparedness Program Evaluation
IP 83750	Occupational Radiation Exposure
IP 83801	Inspection of Final Surveys at Permanently Shutdown Reactors
IP 84750	Radioactive Waste Treatment, and Effluent and Environmental Monitoring
IP 86750	Solid Radioactive Waste Management and Transportation of Radioactive Materials
IP 60855.1	Operation of an ISFSI at Operating Plants
IP 81311	Physical Security Requirements for ISFSIs
TI 2800/041	10 CFR Part 37 Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material at Facilities with a 10 CFR Part 73 Physical Protection Program

In accordance with Title 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

We will gladly discuss any questions you may have regarding this MIP. If you have questions, please direct them to Rhex Edwards at 630-829-9722 or Bill Lin at 630-829-9829.

Sincerely,

/RA/

Michael A. Kunowski, Chief
Materials Control, ISFSI, and
Decommissioning Branch
Division of Nuclear Materials Safety

Docket Nos. 50-295; 50-304; 72-1037
Licenses Nos. DPR-39; DPR-48

cc: ZionSolutions Service List

<u>Inspection Procedure</u>	<u>Title</u>
IP 40801	Self-Assessment, Auditing, and Corrective Action
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IP 82401	Decommissioning Emergency Preparedness Scenario Review and Exercise Evaluation
IP 82501	Decommissioning Emergency Preparedness Program Evaluation
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IP 83801	Inspection of Final Surveys at Permanently Shutdown Reactors
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Letter to John Sauger from Michael Kunowski dated December 21, 2015.

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CALENDAR YEAR 2016

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