

May 11, 2015

ZS-2015-0071

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: Zion Nuclear Power Station, Units 1, & 2 and Independent Spent Fuel Storage
Installation 2014 Annual Radiological Environmental Operating Report

In accordance with the Zion Nuclear Power Station (ZNPS) Quality Assurance Project Plan (QAPP), Appendix B, Section 5.7.2 "Annual Radiological Environmental Operating Report" and Certificate of Compliance (CoC) No. 1031 for the MAGNASTOR SYSTEM, Appendix A, Technical Specification Sections 5.1.1 and 5.1.3, "Radioactive Effluent Control Program," ZionSolutions is submitting the 2014 Annual Radiological Environmental Operating Report for Units 1, 2 and the Independent Spent Fuel Storage Installation (ISFSI).

ZNPS QAPP Appendix B, Section 5.7.2 requires submittal of an Annual Radiological Environmental Operating Report before May 15 of each year. CoC Technical Specification Sections 5.1.1 and 5.1.3 require submittal of an Annual Radioactive Effluent Control Program report which may be incorporated into the report for the facility operating license. The attachment to this letter is the Annual Radiological Environmental Operating Report and includes the Annual Radioactive Effluent Report for Units 1 and 2 and the ISFSI.

There are no new regulatory commitments in this submittal.

If you have any questions about this submittal please contact Mr. Christopher Keene at (224)789-4073.

Respectfully,



Gerard van Noordennen
Vice President Regulatory Affairs

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

Attachment:
2014 Annual Radiological Environmental Operating Report

JE25
NMSS20
NMSS26
NMSS

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

cc:

Ken Robuck
President Logistics Processing and
Disposal Group
EnergySolutions
423 West 300 South, Suite 200
Salt Lake City, UT 84101

John Sauger
Executive VP & General Manager
ZionSolutions, LLC
101 Shiloh Boulevard
Zion, IL 60099

Gerard van Noordennen
VP Regulatory Affairs
ZionSolutions, LLC
101 Shiloh Boulevard
Zion, IL 60099

Anthony Orawiec
Decommissioning Plant Manager
ZionSolutions, LLC
101 Shiloh Boulevard
Zion, IL 60099

Dan Shrum
Senior VP Regulatory Affairs
EnergySolutions
423 West 300 South, Suite 200
Salt Lake City, UT 84101

Russ Workman
General Counsel
EnergySolutions
423 West 300 South, Suite 200
Salt Lake City, UT 84101

Alwyn C. Settles
Section Head, Nuclear Facility Inspection
Bureau of Nuclear Facility Safety
Illinois Emergency Management Agency
1011 North Street, PO Box 250
Mazon, IL 60444

Kelly F. Grahn
Senior Health Physicist, Unit Supervisor
Bureau of Radiation Safety, Environmental
Management
Illinois Emergency Management Agency
245 W Roosevelt Road, Building 8, Suite 55
West Chicago, IL 60185

Kent McKenzie
Emergency Management Coordinator
Lake County Emergency Management Agency
1303 N. Milwaukee Avenue
Libertyville, IL 60048-1308

Regional Administrator
U.S. NRC, Region III
2443 Warrenville Road
Lisle, IL 60532-4352

John E. Matthews
Morgan, Lewis & Bockius LLP
1111 Pennsylvania Avenue, NW
Washington, DC 20004