

10 CFR 50.4(b)(1)

April 29, 2015

ZS-2015-0076

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 and 50-304

Subject: License Termination Plan Request for Additional Information

References:

- 1) Gerard van Noordennen, *ZionSolutions*, Letter to U.S. Nuclear Regulatory Commission, "License Amendment Request for the License Termination Plan," dated December 19, 2014
- 2) Gerard van Noordennen, *ZionSolutions*, Letter to U.S. Nuclear Regulatory Commission, "License Termination Plan Update of the Site-Specific Decommissioning Costs," dated February 26, 2015

The Zion Station License Termination Plan (LTP) was submitted to the U.S. Nuclear Regulatory Commission (NRC) for review on December 19, 2014 as documented in Reference 1. Following initial NRC review, an e-mail Request for Additional Information (RAI) was received on April 8, 2015 requesting the following information in support of the technical review process:

- Energy Services Commercial Services Group Report CS-RS-PN-028, "Background Reference Area Report - Zion Nuclear Power Station," - February 2012.
- Technical Support Document (TSD) describing the use of ISOCS.
- ZionSolutions Technical Support Document 14-003, Conestoga Rovers & Associates (CRA) Report, "Zion Hydrogeologic Investigation Report," Including all hydrogeologic investigation reports or documentation completed by Conestoga-Rovers & Associates, Exelon, and ZionSolutions from August 2006 through September 2013, used to develop TSD 14-003.
- Conestoga-Rovers and Associates, "Hydrogeologic Investigation Report, Fleetwide Assessment, Zion Station, Zion Illinois", Revision 1 - September 2006.

The requested information, with the exception of the TSD describing the use of ISOCS, is included on a disk sent with this correspondence. The TSD is currently in review and will be provided in separate correspondence following issuance.

This letter contains regulatory commitments as described in Attachment 1. If you should have any questions regarding this submittal, please contact Robert Yetter at (224) 789-4250.

Respectfully,



Gerard van Noordennen

Vice President Regulatory Affairs

Attachments

- 1) Attachment 1, List of Regulatory Commitments

Enclosures on a CD:

- 1) Energy Services Commercial Services Group Report CS-RS-PN-028, "Background Reference Area Report - Zion Nuclear Power Station", – February 2012.
- 2) Conestoga-Rovers and Associates, "Hydrogeologic Investigation Report, Fleetwide Assessment, Zion Station, Zion Illinois", Revision 1 – September 2006.
- 3) ZionSolutions Technical Support Document 14-003, Conestoga Rovers & Associates (CRA) Report, "Zion Hydrogeologic Investigation Report," Including all hydrogeologic investigation reports or documentation completed by Conestoga-Rovers & Associates, Exelon, and ZionSolutions from August 2006 through September 2013, used to develop TSD 14-003.

cc: John Hickman, U.S. NRC Senior Project Manager (2 CDs of the enclosures)
Regional Administrator, U.S. NRC, Region III (1 CD of the enclosures)
Service List (Cover letter only, no enclosures)

List of Regulatory Commitments

The table identifies actions discussed in this correspondence that *ZionSolutions*, LLC commits to perform.

Any other actions discussed in this submittal are described for the NRC's information and are not commitments.

COMMITMENT	TYPE	DUE DATE
<i>ZionSolutions</i> will submit TSD describing the use of ISOCS.	One-Time Action	Within 30 days of the NRC request

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

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