

10 CFR 50.4(b)(1)

May 12, 2015

ZS-2015-0084

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
- 3) Gerard van Noordennen, *ZionSolutions*, Letter to U.S. Nuclear Regulatory Commission, "License Termination Plan Request for Additional Information," dated April 29, 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, was submitted to the NRC in Reference 3. In an NRC e-mail dated May 5, 2015, ZionSolutions was notified that the CDs submitted per Reference 3 were rejected and a revised CD correcting the problems identified was requested. This correspondence is resubmitting the information as identified in Enclosure 1. Enclosure 2 contains a preflight report identifying noncompliance issues with NRC electronic submittal guidance that could not be resolved due to the source of the information being submitted. All submitted information is in legible format.

There are no regulatory commitments made in this submittal. 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

Enclosures:

Enclosure 1: CD containing:

- 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.

Enclosure 2: Preflight Report for Enclosure 1 to ZS-2015-0084

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)

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

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Enclosure 2

Preflight Report

for

Enclosure 1 to ZS-2015-0084

This document serves as preflight report for Enclosure 1 to the letter ZS-2015-0084. The following files do not pass pre-flight criteria or do not meet NRC criteria, but text is word searchable with clarity/legibility of high quality.

No.	File Name	Preflight Status	Reason
1	CS-RS-PN-028, Background Reference Area Report	Error / Failed	Document contains logos, color maps signatures, and scanned pages < 300 ppi, clear and legible
TSD 14-003 References 1			
2	045136-RPT22-Zion-Revision1-Sept-1	Error / Failed	Document contains logos, color maps (unembedded fonts), signatures, and scanned pages < 300 ppi, clear and legible
TSD 14-003 References 4			
3	ZS-2013-0185 - 2012 AREOR (2)	Error / Failed	Scanned pages < 300 ppi, clear and legible
TSD 14-003 References 5			
4	PDSAR Zion Station Mar 2008	Error / Failed	Scanned pages < 300 ppi, clear and legible
TSD 14-003 References 6			
5	Illinois_Beach_State_Park HC 3-10-2009	Error / Failed	Document contains logos, color maps, and scanned pages < 300 ppi, clear and legible
TSD 14-003 References 14 - Dead River Watershed 2008			
6	DR_2_GoalsObjectives_0908	Error / Failed	Document contains photographs and < 300 ppi, clear and legible
7	DR_3_ShedInventoryAnalysis_Pt1_0908	Error / Failed	Document contains logos, photographs, and color maps < 300 ppi, clear and legible
8	DR_4_ShedBMPToolbox_0908	Error / Failed	Document contains logos, photographs, and color maps < 300 ppi, clear and legible
9	DR_5PrioritActionPlan_Pt1_0908	Error / Failed	Document contains logos and color maps < 300 ppi, clear and legible

10	DR_5PrioritActionPlan_Pt2_0908	Error / Failed	Document contains logos and color maps < 300 ppi, clear and legible
11	DR_AppendB_StreamInventoryPhotos_Pt1_0908	Error / Failed	Document contains photographs < 300 ppi, clear and legible
12	DR_AppendC_StreamInventMethodology_0908	Error / Failed	Background color < 300 ppi, clear and legible
13	DR_AppendM_NPSPollutantLoadingMaps_0908	Error / Failed	Document contains logos and color maps < 300 ppi, clear and legible
14	DR_Introduction_0908	Error / Failed	Document contains logos, photographs and color maps < 300 ppi, clear and legible
15	DR_Preface_0908	Error / Failed	Document contains logos, photographs and color maps < 300 ppi, clear and legible
TSD 14-003 References 17			
31	NPDES Public Notice	Error / Failed	Document contains color maps < 300 ppi, clear and legible
TSD 14-003 References 19			
32	TSD-12-003, Rev. 0 - Determination of Radionuclide Activity Concentrations in Soil in Non-Impacted Soils Adjacent to the ~1	Error / Failed	Scanned document (unembedded fonts), logos, backgrounds, maps, and signatures < 300 ppi, clear and legible
TSD 14-003 References 20			
33	2011 Zion Environmental Radioactivity Survey, Wisconsin	Error / Failed	Document contains logos and maps < 300 ppi, clear and legible
TSD 14-003 References 23			
34	TSC REPORT NO. L-69,729 - FINAL- 10-30-07	Error / Failed	Scanned document (unembedded fonts), logos, backgrounds, maps, and signatures < 300 ppi, clear and legible

TSD 14-003 References 24			
35	TSC REPORT NO. L-72,070 - FINAL - 10-2-08	Error / Failed	Scanned document (unembedded fonts), logos, backgrounds, maps, and signatures < 300 ppi, clear and legible
TSD 14-003 References 26			
36	TSD-14-006, Rev. 5 - CRA Report - Evaluation of Hydrogeological Parameters in Support of Dose Modeling for Zion	Error / Failed	Scanned document (unembedded fonts), logos, backgrounds, colors maps, handwritten notes, and signatures < 300 ppi, clear and legible
TSD 14-003 References 30			
37	zion-sg	Error / Failed	Document contains logos and color maps < 300 ppi, clear and legible