

April 22, 2019

ZS-2019-0036

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Zion Nuclear Power Station and ISFSI
Facility Operating License Nos. DPR-39 and DPR-48
NRC Docket Nos. 50-295, 50-304 and 72-1037

Subject: Radioactive Effluent Release Report, Radioactive Effluent Control Program Report, Offsite Dose Calculation Manual and Process Control Program for 2018

In accordance with Facility Operation License Nos. DPR-39 and DPR-48, Quality Assurance Project Plan Appendix B Section 5.7.3, "Radioactive Effluent Release Report," for Zion Nuclear Power Station, Units 1 and 2, attached is the Radioactive Effluent Release Report for 2018. The report is required to be submitted prior to May 1, 2019 and is provided as Attachment 1 to this letter. Certificate of Compliance No. 1031 for the MAGNASTOR SYSTEM, Appendix A, Technical Specification 5.1 requires submittal of an Annual Radioactive Effluent Control Program report which is included in this document.

Pursuant to 10 CFR 50.4 and Offsite Dose Calculation Manual (ODCM) Section 12.7.4, major changes made to the Zion Station Liquid and Gaseous Effluent Treatment Systems during the period of January through December 2018 are discussed in the attached report.

Changes were made to the ODCM during the period of January through December 2018. Per ODCM Section 12.7.3.1c, a summary of changes made during each revision and a current revision of the ODCM is submitted in Appendix D of Attachment 1. Changes were made to the Process Control Program during the period of January through December 2018. Per ODCM Section 12.7.2, a summary of changes and a current revision of the Process Control Program is submitted in Appendix E of Attachment 1.

There are no new regulatory commitments in this submittal.

If you have any questions about this submittal please contact Mr. David Villicana at (224)789-4109.

Respectfully,


Gerard van Noordennen
Vice President of Regulatory Affairs

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ZionSolutions, LLC

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Attachments:

1. Zion Station 2018 Annual Radioactive Effluent Release Report

cc: John Hickman, U.S. NRC Senior Project Manager
Regional Administrator, U.S. NRC, Region III
Service List (Cover letter only, no attachments)

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