

April 6, 2022

ZS-2022-013

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: Technical Support Document 2022-001, Discrete Radioactive Particle Survey Report,
Revision 1

References:

- 1) Marlayna V. Doell, U.S. Nuclear Regulatory Commission, Letter to John Sauger, ZionSolutions, "Zion Nuclear Power Station Units 1 and 2 - Request for Additional Information Related to Partial Site Release and Recent Site Survey Activities," dated August 19, 2021
- 2) Kim A. Conway, U.S. Nuclear Regulatory Commission, Letter to John Sauger, ZionSolutions, "Zion Nuclear Power Station Units 1 and 2 - Request for Additional Information Related to Partial Site Release and Recent Site Survey Activities," dated October 14, 2021
- 3) Gerard van Noordennen, ZionSolutions, Letter to U.S. Nuclear Regulatory Commission, "Response to Request for Additional Information Related to Partial Site Release and Recent Site Survey Activities, and Notification of Foundation Pad Discovery," dated March 8, 2022
- 4) Gerard van Noordennen, ZionSolutions, Letter to U.S. Nuclear Regulatory Commission, "Technical Support Document 2022-001, Discrete Radioactive Particle Survey Report, Revision 0," dated March 28, 2022

ZionSolutions received requests for additional information, related to the partial site release request and site survey activities, on August 19, 2021 (Reference 1) and October 14, 2021 (Reference 2). On March 8, 2022, ZionSolutions provided responses to the requests for additional information contained in References 1 and 2 (Reference 3). In Reference 3, ZionSolutions committed to submit a Technical Support Document (TSD) that describes the results of the discrete radioactive particle survey and the associated calculations (i.e., TSD 2022-001). On March 28, 2022, ZionSolutions provided TSD 2022-001, Revision 0, as documented in Reference 4.

During a review of the TSD, it was identified that a change to Table 22 was required to ensure consistency throughout the document. The purpose of this letter is to provide TSD 2022-001, "Discrete Radioactive Particle Survey," Revision 1. The TSD is provided on the enclosed CD. The changes to the document are denoted by revision bars in the margin.

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If you should have any questions regarding this submittal, please contact me at (860) 462-9707.

Respectfully,

Gerard van Noordennen

Digitally signed by Gerard van Noordennen
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Gerard van Noordennen
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Enclosure: CD containing Technical Support Document 2022-001, Discrete Radioactive Particle
Survey Report, Revision 1

cc: Kim Conway, U.S. NRC Senior Project Manager
Regional Administrator, U.S. NRC, Region III
Zion Nuclear Power Station, Units 1 and 2 Service List (without enclosure)

Zion Nuclear Power Station, Units 1 and 2 Service List

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ZionSolutions

**ZS-2022-013
Enclosure**

Zion Nuclear Power Station, Units 1 and 2

CD Containing

Technical Support Document 2022-001

Discrete Radioactive Particle Survey Report, Revision 1