

April 21, 2010

REIRS Project Manager
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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: Annual Dose Report for 2009

Pursuant to 10 CFR 20.2206, "Reports of individual monitoring," paragraph (c), the Annual Dose Report covering the previous year shall be submitted on or before April 30th of each year. The Annual Dose Report for 2009 provides the results of individual radiation monitoring carried out by Zion Station for each individual for whom radiation monitoring was provided during 2009. The data file containing this report was submitted electronically via the Radiation Exposure and Information Reporting System (REIRS) internet web page on April 21, 2010.

The data file entitled "zin2009form5.dat" was generated on April 21, 2010 following the guidance provided in Regulatory Guide 8.7, "Instructions for Recording and Reporting Occupational Radiation Exposure Data," Revision 1, dated June 1992.

Should you have any questions concerning this information, please contact Kenneth Greenlee at (847) 379 2700.

Respectfully,



Ronald J. Schuster
Zion Nuclear Power Station
Decommissioning Plant Manager

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RES
FSME

bcc: United States
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Mid-West ROG Licensing
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DCD – Licensing
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Master File

RadChem Department File