April 26, 2006

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 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: 2005 Occupational Radiation Exposure Report

In accordance with the Defueled Technical Specification 5.7.1, "Occupational Radiation Exposure Report," we are submitting the 2005 Occupational Radiation Exposure Report for Zion Nuclear Power Station, Units 1 and 2. The Defueled Technical Specification 5.7.1 requires submittal of an Occupational Radiation Exposure Report prior to April 30th of each year.

Zion Station is a permanently shutdown and defueled generating station. Because of this condition there was no individual who received greater than 100 mRem for the calendar year 2005.

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

Respectfully,

Ronald J. Schuster
Zion Nuclear Power Station
Decommissioning Plant Manager

Attachment
None

cc: Regional Administrator – NRC Regions III

bcc: Regional Administrator US NRC Region III
Project Manager, NRR – Zion Nuclear Power Station
Decommissioning Branch Chief US NRC Region III
Illinois Emergency Management Agency
Nicholas Reynolds
Mid-West ROG Licensing
DCD – Licensing
Zion Station Regulatory Assurance/ RadChem File
Master File

IE56