

May 8, 2007

U.S. Nuclear Regulatory Commission
Attn: Document Control
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: Submittal of Zion Nuclear Power Station, Unit 1 and 2 2006 Annual
Radiological Environmental Operating Report.

In accordance with Technical Specification 5.7.2, "Annual Radiological Environmental Operating Report" Zion Station is submitting the 2006 Annual Radiological Environmental Operating Report for Unit 1 and 2. Technical Specification 5.7.2 requires submittal of an Annual Radiological Environmental Operating Report before May 15 of each year. The attachment to this letter is the Annual Radiological Environmental Operating Report.

If you have any questions about this report, please contact Ken Greenlee at 847-379-2700.

Respectfully,



Ronald J. Schuster
Decommissioning Plant Manager
Zion Nuclear Station

Attachment:

2006 Annual Radiological Environmental Operating Report

cc:

Regional Administrator – NRC Region III

JE25
NM5501