



February 14, 2000

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: Submittal of the Zion Nuclear Power Station, Units 1 and 2 Post-Shutdown Decommissioning Activities Report

Reference: Commonwealth Edison Company letter, "Certification of Permanent Cessation of Operations," dated February 13, 1998

In accordance with 10 CFR 50.82, "Termination of license," paragraph (a)(4)(i), we are submitting the post-shutdown decommissioning activities report (PSDAR) for Zion Nuclear Power Station (ZNPS), Units 1 and 2. As certified by the Reference letter, the permanent cessation of operations at ZNPS occurred on February 13, 1998. 10 CFR 50.82(a)(4)(i) requires that a PSDAR be submitted prior to or within two years following the permanent cessation of operations. Therefore, the PSDAR for ZNPS is required to be submitted by February 14, 2000.

In accordance with 10 CFR 50.82(a)(4)(i), the Attachment, "Zion Nuclear Power Station Units 1 and 2 Post-Shutdown Decommissioning Activities Report," includes a description of the planned decommissioning activities along with a schedule for their accomplishment; an estimate of expected costs; and a discussion that provides the reasons for concluding that the environmental impacts associated with site-specific decommissioning activities will be bounded by appropriate, previously issued, environmental impact statements.

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In accordance with 10 CFR 50.82(a)(4)(i), a copy of the PSDAR for ZNPS is being provided to the affected State by transmitting a copy of this letter and its attachment to the designated State Official.

If you have any questions about this letter, please contact Mr. P. R. Simpson at (630) 663-7971.

Respectfully,

K. A. Oinger for

R. M. Krich
Vice President – Regulatory Services

Attachment

cc: Regional Administrator – NRC Region III
Office of Nuclear Facility Safety - Illinois Department of Nuclear Safety