

June 6, 2001

MEMORANDUM TO: Stuart A. Richards, Director
Project Directorate IV
Division of Licensing Project Management /RA/
Office of Nuclear Reactor Regulation

FROM: Michael K. Webb, Project Manager, Section 1
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: ZION NUCLEAR POWER STATION, UNITS 1 AND 2, POST-
SHUTDOWN DECOMMISSIONING ACTIVITIES REPORT
(TAC NOS. MA8242 AND MA8243)

By letter dated February 14, 2000, the Commonwealth Edison Company (the licensee) submitted to the U.S. Nuclear Regulatory Commission (NRC) the Post-Shutdown Decommissioning Activities Report (PSDAR) for the Zion Nuclear Power Station, Units 1 and 2 (ZNPS). As required by the Commission's regulations at Section 50.82(a)(4)(i) of Title 10 of the *Code of Federal Regulations* (10 CFR), the licensee's submittal contains 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.

At ZNPS, on April 25 and 26, 2000, the NRC staff conducted an audit of the environmental documents associated with the PSDAR, including the NRC Generic Environmental Impact Statement on Decommissioning Nuclear Facilities (NUREG-0586) and the Final Environmental Statement Related to Operation of Zion Nuclear Power Station, Units 1 and 2, dated December 1972. The staff concluded that the licensee has developed and documented an adequate basis for concluding that the environmental impacts associated with the anticipated decommissioning activities at ZNPS are bounded by appropriate, previously issued environmental impact statements as required by 10 CFR 50.82(a)(4)(i).

The staff determined that the PSDAR for the ZNPS meets the requirements of 10 CFR 50.82(a)(4)(i). In addition, as required by 10 CFR 50.82(a)(4)(ii), the staff held a public meeting near ZNPS on April 26, 2000, and received questions and comments from the public regarding the ZNPS decommissioning.

Docket Nos. 50-295 and 50-304

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