

October 18, 1996

Ms. Irene Johnson, Acting Manager
Nuclear Regulatory Services
Commonwealth Edison Company
Executive Towers West III
1400 Opus Place, Suite 500
Downers Grove, IL 60515

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - ZION NUCLEAR POWER STATION,
UNITS 1 AND 2 (TAC NOS. M96228 AND M96229)

Dear Ms. Johnson:

In a submittal dated July 26, 1996, Commonwealth Edison Company (ComEd) submitted a request to amend the Zion Technical Specifications. The proposed amendments would allow licensee control of the reactor coolant system pressure and temperature limits for heatup, cooldown, low temperature operation and hydrostatic testing. Additional information, as discussed in the enclosure, is requested for the staff to complete its review.

To ensure timely review and final action on the amendment request, a response to this request for additional information (RAI) is needed as soon as possible.

Sincerely,

Original signed by
Lawrence W. Rossbach for:
Clyde Y. Shiraki, Project Manager
Project Directorate III/2
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-295, 50-304

Enclosure: RAI

cc w/encl: see next page

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Commonwealth Edison Company

Zion Nuclear Power Station
Unit Nos. 1 and 2

cc:

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REQUEST FOR ADDITIONAL INFORMATION

ZION NUCLEAR POWER STATION, UNITS 1 AND 2

DOCKET NOS. 50-295 AND 50-304

1. The WCAP-14040-NP-A analysis accounts for only a single reactor coolant pump (RCP) in LTOP operation. How does Zion justify running more than one RCP?
2. The proposed wording for LCO 3.3.2.G.3 verifies the 50 degree Fahrenheit temperature difference when starting the first RCP. Is this criteria also met when starting additional pumps?
3. Please submit calculations for: a) the pressure difference between the limiting location and the pressure transmitter as a result of static and dynamic head, b) the LTOP PORV lift setpoint, and c) the LTOP enable temperature. Include an explanation of how the 60 psig and 10 degree Fahrenheit conservatism, which are included in the current technical specification curves, are accounted for in these calculations. Also discuss how the dynamic head effect during different pump configurations is accounted for and controlled at Zion.
4. Describe how the LTOP response time was accounted for in the LTOP analysis and discuss the effects of more than one RCP running on the response time and peak pressure.

ENCLOSURE