



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

October 3, 1990

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Subject: Zion Station Units 1 and 2
Supplemental Response to NRC Bulletin 88-04
Docket Nos. 50-295 and 50-304

References: (a) NRC Bulletin 88-04, dated May 5, 1988.
(b) W.E. Morgan letter to U.S. NRC, dated
July 11, 1988.
(c) M.H. Richter letter to U.S. NRC dated
June 30, 1989.

Dear Sir:

Reference (a) requested that licensees investigate and correct as applicable two miniflow design concerns. The first concern involved the potential for the dead-heading of one or more pumps in safety-related systems that have a miniflow line common to two or more pumps or other piping configurations that do not preclude pump-to-pump interaction during miniflow operation. A second concern was whether or not the installed miniflow capacity is adequate for single pump operation.

In Reference (b), when addressing pump-to-pump interaction in safety-related systems during miniflow operation at Zion Station, Commonwealth Edison Company (CECo) indicated that the Residual Heat Removal (RHR) pumps might exhibit this condition and that further review was necessary. Additionally, when addressing the concern on the adequacy of the minimum flow bypass lines for safety-related centrifugal pumps at Zion Station, CECo indicated in Reference (b) that pump vendor information was being pursued in accordance with the direction given in Reference (a). Reference (c) provided for Zion Station, the action to be taken to address the pump-to-pump interaction concern and provide pump vendor information on minimum flow line capacity.

Specifically, Reference (c) indicated that to prevent the hydraulic coupling of the RHR pumps, a check valve would be installed for each pump downstream of the minimum flow line, but upstream of the cross-tie line. Installation of the check valve was to be completed by the conclusion of the Spring 1990 refueling outage for Unit 2.

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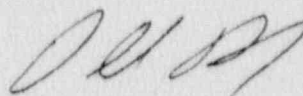
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This letter provides written confirmation that this check valve has been installed and declared operational. This completes the action items for Zion Unit 2 for NRC Bulletin 88-04.

Reference (c) also noted that this modification would be performed for Unit 1 during the Spring 1991 refueling outage. This refueling outage has been deferred until the Fall of 1991 and therefore this modification for Unit 1 will be performed during the Fall of 1991.

Please address any questions that you or your staff may have concerning this response to this office.

Respectfully,



D. L. Taylor
Generic Issues Administrator

cc: A.B. Davis - Regional Administrator, RIII
Resident Inspector - Zion

DT:lmw
ZNLD318