October 7, 1997

Mr. L. W. Pearce
Site Vice President
Quad Cities Station
Commonwealth Edison Company
22710 206th Avenue North
Cordova, IL 61242

SUBJECT: ANNOUNCEMENT OF SYSTEM OPERATIONAL PERFORMANCE INSPECTION

Dear Mr. Pearce:

This is to inform you that the NRC will perform a system operational performance inspection (SOPI) at the Quad Cities Nuclear Generating Plant. We have chosen the high pressure coolant injection (HPCI) system portion of the emergency core cooling systems (ECCSs) as the primary focus of this inspection. In addition, important systems associated with the HPCI system such as the 250 volt DC, the suppression pool, and the contaminated condensate storage tank (CCST) will be reviewed as a secondary inspection effort. Further, the team will seek to evaluate your progress on some of the engineering actions described in your March 28, 1997, response to the NRC's request for information pursuant to 10 CFR 50.54(f) regarding safety performance at ComEd's nuclear stations. This inspection will be performed according to NRC Inspection Procedure 93801, "Safety System Functional Inspection." The inspection's onsite activities are scheduled for the weeks of October 27-30 (pre-inspection), November 3-7, and November 17-21, 1997.

The inspection will assess design, operation, maintenance, surveillance, quality assurance, and corrective actions associated with these systems. To accomplish these objectives, the SOPI team will review a broad range of information and system activities.

In order to more effectively perform this task, the SOPI team would like to have the information identified in the Enclosure (preliminary information) made available during the week of October 27, 1997.

Following the entrance on October 28, 1997, the team would appreciate a short systems overview presentation followed by a general plant tour of the control room, HPCI system, 250 volt DC system, suppression pool, and the CCST.

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IE-01

If you have any questions regarding the information on the enclosure, or on the inspection itself, please contact David S. Butler at (630) 829-9720.

Sincerely,

/s/ M. A. Ring

Mark A. Ring, Chief
Lead Engineers Branch

Docket No. 50-254
Docket No. 50-265

Enclosure: As stated

cc w/encl: R. J. Manning, Executive Vice President, Generation
M. Wallace, Senior Vice President, Corporate Services
E. Kraft, Vice President, BWR Operations
Liaison Officer, NOC-BOD
D. A. Sager, Vice President, Generation Support
D. Farrar, Nuclear Regulatory Services Manager
I. Johnson, Licensing Operations Manager
Document Control Desk - Licensing
Quad Cities Station Manager
C. C. Peterson, Regulatory Affairs Manager
Richard Hubbard
Nathan Schloss, Economist, Office of the Attorney General
State Liaison Officer
Chairman, Illinois Commerce Commission
J. R. Bull, Vice President, General & Transmission, MidAmerican Energy Company

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Enclosure

SOPI Information Request

1. Emergency core cooling systems (ECCSs) design bases document (DBD) (six copies), a complete set of the updated final safety analysis report, and the QC Technical Specifications (available for use).

2. Certified pump curves and IST information (available for review).

3. Cross-sectional drawings of major equipment such as pumps and heat exchangers (available for review).

4. P&IDs and electrical drawings of the HPCI, 250 volt DC, suppression pool, and CCST and any connected auxiliary systems (three sets).

5. ECCS licensing requirements and commitments, if not already in the UFSAR (available for review).

6. HPCI, 250 volt DC, suppression pool, and CCST analyses supporting single active failure adequacy (available for review).

7. HPCI flow data for system components and room cooler heat transfer data for various modes of operation (available for review).

8. Water hammer or surge pressure protection information (available for review).

9. A list of modifications to the HPCI, 250 volt DC, suppression pool, and CCST (completed and proposed).

10. System operating procedures for system alignment, operations, and abnormal conditions or emergency response (one copy).

11. System response procedures, i.e. those procedures for responding to and evaluating control room or local alarms (one copy).

12. Training information for licensed and non-licensed operators including lesson plans, training text, handout material, and task performance measures (available for review).

13. A list of preventive and corrective maintenance procedures for the HPCI, 250 volt DC, suppression pool, CCST systems, other support systems, related instrumentation, and power supplies.

14. Vendor manuals for the major HPCI, 250 volt DC, suppression pool, and CCST components (provide a list and have manuals available for review).

15. Maintenance history for the major HPCI, 250 volt DC, suppression pool, and CCST components over the last two years.

16. Information on ECCSs regarding equipment reliability and availability for the last two years.

17. A listing of ECCSs maintenance backlogs, both corrective and preventive, outage and non-outage.

18. A listing of any HPCI, 250 volt DC, suppression pool, and CCST maintenance activities scheduled during the inspection.

19. Training information for maintenance personnel in regard to activities performed on the HPCI, 250 volt DC, suppression pool, and CCST (available for review).

20. A copy of the completed HPCI, 250 volt DC, suppression pool, and CCST preoperational test procedure(s).

21. A copy of recently completed HPCI, 250 volt DC, suppression pool, and CCST surveillance procedures (through last refueling outage).

22. A listing of system scheduled surveillances, including due date, critical date, and date the surveillance was last performed.

23. A listing of any HPCI, 250 volt DC, suppression pool, and CCST surveillances scheduled during the inspection.

24. List of ECCS operator work-arounds and plans for resolution.

25. Results of HPCI room cooler tests, if performed.

26. Copy of any ECCSs Quality verification activities (surveillance and audits) performed over the last two years.

27. Provide onsite and offsite review committee meeting minutes for the past six months.

28. Copy of any HPCI, 250 volt DC, suppression pool, and CCST condition reports issued over the last two years.

29. Provide the risk assessment criteria used when removing ECCSs from service for on-line maintenance activities.

30. Provide NPSH and vortexing calculations for HPCI system when aligned to the CCST and/or the suppression pool.

31. Provide a list of the calculations of record associated with the HPCI system, the 250 volt DC system, the suppression pool, and the CCST.

32. Provide a list of temporary modifications.

33. Provide a list of all plant procedures (procedure index).