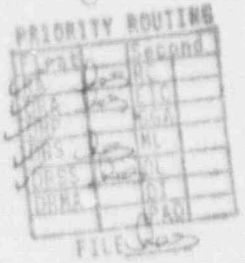
Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

DCD/DCB (RIDS)



August 30, 1991

Mr. A. Bert Davis
Regional Administrator
U.S. Nuclear Regulatory Commission
799 Roosevelt Road-RIII
Glen Ellyn, Il 60137

Subject: Quad Cities Nuclear Power Station Units 1 and 2
Expiration of Regional Waiver of Compliance
NRC Docket Nos. 50-254 and 50-265

Reference: (a) R. Stols to A. Bert Davis letter dated August 14, 1991

(b) C. Paperiello to Cordell Reed dated August 14, 1991

Dear Mr. Davis:

Reference (a) documented Commonwealth Edison's request for a Regional Waiver of Compliance which was granted by Region III management on August 13, 1991. Reference (b) provided formal documentation of the approval. The expiration of the Regional Waiver of Compliance was to occur on August 20, 1991 at 6:15 p.m.

On August 16, 1991 Quad Cities Station performed a secondary containment test to demonstrate that the secondary containment could maintain a 0.25 inch vacuum under calm wind conditions with a standby gas treatment flow of 4000 cfm. As such, secondary containment operability was demonstrated in accordance with Technical Specification 4.7.C.1.c. The Office of Nuclear Reactor Regulations Duty Officer was notified at 6:25 p.m. on August 16, 1991 that secondary containment test was in progress and was maintaining 0.379 inch vacuum.

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The final test results demonstrated that secondary containment could maintain 0.395 inch vacuum under calm wind conditions with a standby gas treatment flow of 4000 cfm. This value is uncorrected for wind speed, temperature and elevation. The Waiver of Compliance was formally exited at 7:15 p.m. on August 16, 1991.

A summary of the secondary containment test is provided in the attachment.

If there are any questions or comments regarding this submittal, please contact J. Schrage at (708) 515-7283.

Very truly yours,

Rita Stols
Nuclear Licensing Administrator

cc: R.J. Barrett, Project Director - NRR
L.N. Olshan, Project Manager - NRR
W.D. Shafer, Branch Chief - RIII
B.L. Burgess, Section Chief - RIII
T.E. Taylor, Senior Resident Inspector - Quad Cities
Document Control Desk

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SUMMARY OF

SECONDARY CONTAINMENT TEST

AUGUST 16, 1991

Introduction

On August 16, 1991, Quad Cities Station conducted a test of secondary containment to demonstrate that secondary containment can maintain an average 1/4 inch water vacuum under calm wind conditions with a filter train flow rate of not more than 4000 cfm (Technical Specification 4.7.C.1.c).

Test Performance

The test was conducted during a wind speed of approximately 11.9 mph (at 196' elevation) in a 162.5° direction. The outside air temperature was 80.6°F and the average inside temperature was 96.5°F.

The test was initiated by simulating a high radiation signal to isolate the Unit One and Two Reactor Building Ventilation System. In response to the isolation, the "A" train of standby gas treatment (SBGT) automatically initiated. SBGT flow was 4000 cfm. Differential pressure readings were recorded after reaching equilibrium conditions.

The average differential pressure which was maintained by the secondary containment was 0.395 inches water vacuum. The individual readings were as follows:

South wall at elevation 690':	0.405 inches water vacuum
East wall at elevation 690':	0.400 inches water vacuum
North wall at elevation 690':	0.380 inches water vacuum
West wall at elevation 690':	0.395 inches water vacuum

Conclusion

Secondary containment was demonstrated to be operable per the requirements of Technical Specification 4.7.C.1.c. The next secondary containment test will be performed prior to the Unit 2 Refueling Outage which is scheduled to begin on December 28, 1991.

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