

**Commonwealth Edison**

Quad Cities Nuclear Power Station
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RLB-87-50

February 11, 1987

Mr. Bert Davis
Regional Administrator
Directorate of Inspection and Enforcement
Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

SUBJECT: Quad-Cities Station Operating Report, NRC Dockets
50-254 and 50-265.

Dear Mr. Davis:

Enclosed is the radioactive effluent report for July through December, 1986 for Quad-Cities Nuclear Power Station.

The Unit One and Unit Two service water monitors were taken out of service from 15 July 1986 to 05 September 1986 for modifications. The modifications included: 1) Larger area sample scoop, 2) Elimination of the inlet solenoid valve, 3) Elimination of the receiver tank high level alarm, replaced with a receiver tank vent line, and 4) Addition of a low flow alarm relay time delay module to eliminate spurious low flow alarms. From 18 September to 23 September the monitors were taken out of service to separate signal and power lines to reduce electrical noise on the signal transmission lines. From 11 November 1986 to 11 December 1986 the Radwaste effluent monitor was taken out of service for modification. The work included: 1) A time delay on the low flow alarm to eliminate spurious alarms on system start-up, 2) Elimination of one inlet pressure switch, and 3) the separation of signal and power cables. Associated Action Requirements have been taken to insure compliance with Radiological Effluent Technical Specifications.

A change has been made to the Process Control Program for the solidification of radioactive wastes from liquid systems as outlined in the Offsite Dose Calculation Manual. Documentation that the change has been reviewed and found acceptable by the onsite review process is included with the Semi-Annual Effluent Report.

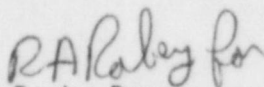
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The fourth quarter gross alpha radioactivity value increased significantly over previous quarters. The reason is a high value obtained from the analysis of October's monthly particulate composite. The value is under suspect since the noble gas, iodine and other particulate values do not indicate a change in release rate occurred. The result is under investigation, and any changes will be reported in the next semi-annual report.

One copy of this report is provided for your use and 39 copies are being submitted directly to Mr. R. H. Vollmer, Deputy Director of the Office of Nuclear Reactor Regulation.

Sincerely,


R. L. Bax
Station Manager

RLB/RJL/tlf

Enclosure