



Commonwealth Edison

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September 7, 1983

Mr. C. J. Paperiello, Chief
Emergency Preparedness and
Radiological Safety Branch - Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Quad Cities Station Units 1 and 2
Response to Inspection Report Nos.
50-254/83-21 and 50-265/83-19
NRC Docket Nos. 50-254 and 50-265

Reference (a): C. J. Paperiello letter to Cordell Reed
dated August 8, 1983.

Dear Mr. Paperiello:

This letter is in response to the inspection conducted by Messrs. A. G. Januska and S. Rozak on July 5 through 8, 1983, of activities at Quad Cities Station. Although no items of noncompliance were identified, the NRC requested a response, within thirty days, of actions we planned to take regarding the Canberra alpha/beta counter and maintenance of the environmental air samplers. The Commonwealth Edison Company response to this concern is provided in the enclosure.

To the best of my knowledge and belief the statements contained herein and in the attachment are true and correct. In some respects these statements are not based upon my personal knowledge but upon information furnished by other Commonwealth Edison employees. Such information has been reviewed in accordance with Company practice and I believe it to be reliable.

If you have any further questions on this matter, please direct them to this office.

Very truly yours,

D. L. Farrar
Director of Nuclear Licensing

BR/lm

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Attachment

cc: NRC Resident Inspector - Quad Cities

ATTACHMENT

1. Alpha Monitoring

The alpha monitoring capability at Quad Cities is currently under investigation. The Station is pursuing two avenues for purchasing a Eberline Model SAC-4 scintillation alpha counter to replace the Canberra unit. Investigation of the performance of the Canberra counters will be done with the Eberline SAC-4, and an independent laboratory and will begin after calibration of the Eberline counter. Calibration sources for this purpose are currently on order. Results of the comparisons will be sent to NRC Region III for review.

Until the investigation is satisfactory completed, the Station will send samples that require alpha analysis (by Section 4.8 of the Technical Specifications) to Dresden Station for analysis with their Eberline SAC-4, or to an independent laboratory.

2. Environmental Air Sampler Maintenance

The Environmental Radiological Monitoring Program is administered by the supervisor of Emergency Planning, Technical Services Nuclear (TSN). As such, a letter was written to TSN requesting that the NRC's concerns about field technician practices be rectified.

TSN has consulted with the Environmental Contractor and arranged for installation of new flow meters on all 16 air samples surrounding the Quad Cities Station. The new flow meters are on order from the supplier. TSN has also assured Quad Cities Station that the contracted field technicians will be re-instructed by their employer on the proper procedures to use when taking samples. The general repair of the sample pumps will be reviewed, and air sampler housings will be painted, if needed.

In addition, TSN is planning a program of sample collection with the contracted field technicians, to be performed on an annual basis, with the goal of ensuring the proper procedures are being followed, and that sampler maintenance is appropriate.

Following the NRC Inspection, two station Health Physicists visited each of the air sample stations and revised the instruction on locating the sites. A week later, the same individuals revisited each site to check the directions for completeness. The revised directions are being reviewed will replace the old directions by October 1, 1983.