



Commonwealth Edison

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January 20, 1984

Mr. C. J. Paperiello, Chief
Emergency Preparedness and Program
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
NRC Inspection Report - Open Items
50-254/82-13-03 & 50-265/82-15-03
NRC Docket Nos. 50-254 and 50-265

- References (a): Quad Cities Units 1 and 2, NRC
Inspection Report Summary Nos.
50-254/82-13 and 50-265/82-15.
- (b): B. Rybak letter to C. J. Paperiello
dated February 14, 1983.
- (c): B. Rybak letter to C. J. Paperiello
dated June 13, 1983.
- (d): B. Rybak letter to C. J. Paperiello
dated August 25, 1983.

Dear Mr. Paperiello:

Reference (a) cited above lists two Open Items "...to incorporate multiplet analysis into AAIS...". (Open Items 50-254/82-13-03 and 50-265/82-15-03.) These Open Items are part of a multitask project developed by Commonwealth Edison to enhance the performance of AAIS.

As outlined in the Reference (b), Task 1 "Multiplet Resolution and Peak Classification" addresses these Open Items. Work on this task is in progress and on schedule. Task 1 will be completed by July 2, 1984 in accordance with the schedule presented in Reference (d). Completion of Task 1 will close out the Open Items.

Recognizing the need to improve the analytical software of AAIS, three additional tasks were developed by Commonwealth Edison to enhance spectral analysis. Again, these tasks are further improvements which go beyond the concerns raised by the NRC and are presented here only for your information. As outlined in Reference (c), they are:

Task 2: Efficiency Calibration with Associated Uncertainties.
Completion and Implement by: July 1, 1985.

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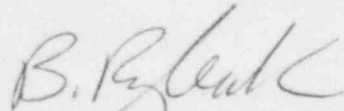
January 20, 1984

Task 3: Lower Limit of Detectability and Uncertainties Related to Activity Determination.
Implementation timetable by: December 31, 1984

Task 4: Background Compensation.
Implementation timetable by: July 1, 1985

The dates presented above define a long term project designed to continually improve the performance of AAIS. The completion of Task 1 will close out the Open Items 50-254/82-13-03 and 50-265/82-15-03. The other tasks will proceed as enhancements as they are identified, evaluated, and incorporated into the analytical software and procedures of AAIS.

Very truly yours,



B. Rybak
Nuclear Licensing Administrator

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cc: NRC Resident Inspector - Quad Cities

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