

DCO

MAR 10 1994

Docket No. 50-456  
Docket No. 50-457

Commonwealth Edison Company  
ATTN: S. Berg, Site Vice President  
Braidwood Station  
RR #1, Box 79, 6th Floor  
Braceville, IL 60407

Dear Mr. Berg:

SUBJECT: ROUTINE RADIATION PROTECTION, CHEMISTRY, AND RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM INSPECTION AT THE BRAIDWOOD NUCLEAR PLANT (INSPECTION REPORTS NO. 50-456/94003; 50-457/94003)

This refers to the inspection conducted by Mr. S. K. Orth of this office on January 31 - March 8, 1994. The inspection included a review of activities authorized at your Braidwood Nuclear Station. At the conclusion of the onsite review, the findings were discussed with those members of your staff identified in the enclosed inspection report. Additional telephone conferences were conducted on February 14, 1994, and March 8, 1994.

Areas examined during the inspection are identified in the enclosed report. Within these areas, the inspection consisted of a selective examination of procedures and representative records, interviews with personnel, and observations of activities in progress.

Based on the results of this inspection, certain of your activities, concerning the quality control of inline chemistry measurements, appeared to be in violation of NRC requirements, as specified in the enclosed Notice of Violation (Notice). Weaknesses in the quality control of inline chemistry instruments were identified in a previous inspection (Inspection Reports No. 50-456/93005(DRSS); 50-457/93005(DRSS)), but the program was not properly corrected. The chemistry staff re-initiated inline instrument performance tests but failed to take corrective actions when instruments were not within the acceptance ranges. These actions compromise the quality of data, which can adversely affect the chemistry of secondary systems and steam generator tube integrity. Based on the weaknesses demonstrated by your chemistry management staff, we are concerned about their inability to identify and correct their program deficiencies.

You are required to respond to this letter and should follow the instructions specified in the enclosed Notice when preparing your response. In your response, you should document the specific actions taken and any additional actions you plan to take to prevent recurrence. After reviewing your response to the Notice, including your proposed corrective actions and the results of future inspections, the NRC will determine whether further NRC enforcement action is necessary to ensure compliance with NRC regulatory requirements.

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In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, the enclosed Notice, the enclosed inspection report, and your response will be placed in the NRC Public Document Room.

The response directed by this letter and the accompanying Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

"Original signed by Cynthia D. Pederson"

Cynthia D. Pederson, Chief  
Reactor Support Programs Branch

Enclosures:

1. Notice of Violation
2. Inspection Reports  
No. 50-456/94003(DRSS);  
No. 50-457/94003(DRSS)

cc w/enclosures:

L. O. DelGeorge, Vice President, Nuclear  
Oversight and Regulatory Services  
K. Kofron, Station Manager  
A. Haeger, Regulatory  
Assurance Supervisor  
D. Farrar, Nuclear Regulatory  
Services Manager  
OC/LFDCB  
Resident Inspectors, Byron,  
Braidwood, Zion  
Richard Hubbard  
J. W. McCaffrey, Chief, Public  
Utilities Division  
Licensing Project Mgr., NRR  
State Liaison Officer  
Chairman, Illinois Commerce  
Commission

bcc w/enclosure: PUBLIC IE06

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RIII

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Orth/jp  
03/10/94

RIII

*MAK for*  
McCormick-Barger  
3/10/94

RIII

*[Signature]*  
Jorgensen  
3-10-94

RIII

*CP*  
Pederson  
3/10/94