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May 9, 1997

Mr. E. Kraft  
Site Vice President  
Quad Cities Station  
Commonwealth Edison Company  
22710 206th Avenue North  
Cordova, IL 61242

Dear Mr. Kraft:

SUBJECT: NRC RADIATION PROTECTION INSPECTION REPORTS 50-254/97007(DRS);  
50-265/97007(DRS) AND NOTICE OF VIOLATION

On April 25, 1997, the NRC completed an inspection at your Quad Cities Nuclear Power Station. The purpose of the inspection was to review radiation protection performance during the Unit 2 refueling outage (Q2R14). The enclosed report presents the results of this inspection.

Overall, good radiological controls were implemented during the outage. In particular, your efforts to include contingent and emergent work dose estimates, based on historical data, into the dose goals led to conservative outage ALARA planning. This resulted in the implementation of good ALARA controls during high dose jobs such as the use of cameras to monitor undervessel activities and to monitor the replacement of the Unit 2 recirculation pump motor.

We are concerned, however, about two violations of NRC requirements that were identified. In the first instance, material which had been released from your facility was identified to be contaminated at an offsite location. In the second instance, engineering controls which were specified for use during work on a Unit 2 reactor water cleanup (RWCU) system valve were not used which resulted in a worker's intake of radioactive material. Oversight of and preparation for this job were determined to be ineffective. As stated in the report, the similarity of this event to other events in previous outages indicates that improvement was needed in the planning and control of valve work.

These violations are cited in the enclosed Notice of Violation (Notice) and the circumstances surrounding them are described in detail in the enclosed report. Please note that you are required to respond to this letter and should follow the instructions specified in the enclosed Notice when preparing your response. The NRC will use your response, in part, to determine whether further enforcement action is necessary to ensure compliance with regulatory requirements.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be placed in the NRC Public Document Room.

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

Sincerely,

/s/ Melvyn Leach

Melvyn Leach, Acting Deputy Director  
Division of Reactor Safety

Docket No. 50-254

Docket No. 50-265

- Enclosures: 1. Notice of Violation  
 2. Inspection Reports 50-254/97007(DRS); 50-265/97007(DRS)

- cc w/encls: T. J. Mairman, Senior Vice President,  
 Nuclear Operations Division  
 D. A. Sager, Vice President,  
 Generation Support  
 H. W. Keiser, Chief Nuclear  
 Operating Officer  
 L. W. Pearce, Station Manager  
 C. C. Peterson, Regulatory Affairs Manager  
 I. Johnson, Acting Nuclear Regulatory  
 Services Manager  
 Document Control Desk - Licensing  
 Richard Hubbard  
 Nathan Schloss, Economist,  
 Office of the Attorney General  
 State Liaison Officer  
 Chairman, Illinois Commerce Commission  
 J. R. Bull, Vice President, General &  
 Transmission, MidAmerican Energy Company

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

Sincerely,

Melvin Leach, Acting Deputy Director  
Division of Reactor Safety

Docket No. 50-254

Docket No. 50-265

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