

September 27, 1996

Mr. K. Graesser  
Site Vice President  
Byron Station  
Commonwealth Edison Company  
4450 N. German Church Road  
Byron, IL 61010

SUBJECT: NRC ROUTINE RADIATION PROTECTION INSPECTION REPORTS NO.  
50-454/96008(DRS); 50-455/96008(DRS)

Dear Mr. Graesser:

This refers to the inspection conducted by S. K. Orth and D. B. Hart of this office on September 3-6, 1996. The inspection included a review of authorized activities for your Byron Generating Station, Units 1 and 2 facility.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of a selective examination of procedures and representative records, observations, and interviews with personnel.

Based on the results of this inspection, certain of your activities appeared to be in violation of NRC requirements, as specified in the enclosed Notice of Violation (Notice). The violation is of concern because the inspectors identified a radiation area that extended beyond the required postings within the Auxiliary Building. This violation was caused by personnel moving radioactive material within the posted area without fully understanding the radiological consequences.

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 prevent recurrence. After reviewing your response to this 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.

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

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September 27, 1996

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

Sincerely,

Original Signed by Brent Clayton (for)

Geoffrey E. Grant, Director  
Division of Reactor Safety

Docket Nos. 50-454; 50-455

Enclosures: 1. Notice of Violation  
2. Inspection Reports No.  
50-454/96008(DRS);  
50-455/96008(DRS)

cc w/encls: D. A. Sager, Vice President,  
Generation Support  
H. W. Keiser, Chief Nuclear  
Operating Officer  
K. Kofron, Station Manager  
D. Brindle, Regulatory Assurance  
Supervisor  
D. Farrar, Nuclear Regulatory  
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DOCUMENT NAME: G:BYR96008.DRS

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Mr. K. Graesser  
Site Vice President  
Byron Station  
Commonwealth Edison Company  
4450 N. German Church Road  
Byron, IL 61010

SUBJECT: NRC ROUTINE RADIATION PROTECTION INSPECTION REPORT NOS.  
50-454/96-08(DRS); 50-455/96-08(DRS)

Dear Mr. Graesser:

On September 6, 1996, the NRC completed a routine radiation protection inspection at your Byron Generating Station. The enclosed report presents the results of that inspection.

Overall, dose was effectively controlled during the Unit 2 refueling outage. Although containment dose rates were considerably higher than in the past, conservative dose goals, which were set prior to the start of the outage, were generally met. However, the inspectors identified a radiation area that extended beyond the required postings within the Auxiliary Building. This violation was caused by personnel moving radioactive material within the posted area without fully understanding the radiological consequences.

This violation is cited in the enclosed Notice of Violation, and the circumstances surrounding the violation 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 enclosure(s) will be placed in the NRC Public Document Room (PDR).

Sincerely,

Geoffrey E. Grant, Director  
Division of Reactor Safety

Docket Nos. 50-454; 50-455  
License Nos. NPF-37; NPF-66

Enclosures: 1. Notice of Violation  
2. Inspection Report Nos.  
50-454/96008(DRS);  
50-455/96008(DRS)

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DATE	9/24/96		9/24/96		9/24/96		9/ /96	

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