

November 17, 1999

Mr. Oliver D. Kingsley  
President, Nuclear Generation Group  
Commonwealth Edison Company  
ATTN: Regulatory Services  
Executive Towers West III  
1400 Opus Place, Suite 500  
Downers Grove, IL 60515

SUBJECT: NRC RADIATION PROTECTION INSPECTION REPORT 50-454/99017(DRS);  
50-455/99017(DRS)

Dear Mr. Kingsley:

On October 29, 1999, the NRC completed a routine inspection of the radiation protection program at your Byron Generating Station. The results of this inspection were discussed on that date with Mr. Levis and other members of your staff. The enclosed report presents the results of this inspection. Based on this inspection, no violations of NRC requirements were identified.

The inspection was an examination of activities conducted under your license as they relate to radiation safety, to compliance with the Commission's rules and regulations, and with the conditions of your license. The inspection consisted of a review of the radiation protection controls for the Unit 2 refueling outage (B2R08). Specifically, the review included refueling outage planning and implementation, outage dose and personnel contamination events, contractor personnel training, radiation worker performance, radiological posting and labeling, and radiation protection self assessments. Within these areas the inspection consisted of a selective examination of procedures and representative records, observations of activities and discussions with personnel.

The radiation protection staff effectively evaluated health physics requirements, radiological impediments, and personnel contamination events associated with the outage. Steam generator work planning, radiological controls, and ALARA practices were also effectively implemented. Radiological postings and container labeling appropriately informed workers of current plant radiological conditions. The contractor radiation protection technician and outage worker training programs were well implemented. Radiation protection self assessments were effectively implemented and of sufficient scope to identify deficiencies.

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

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