

February 2, 2000

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
50-454/2000004(DRS); 50-455/2000004(DRS)**

Dear Mr. Kingsley:

On January 14, 2000, 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 solid radioactive waste processing and control program and the radioactive materials shipping program. The inspection also included a review of the spent fuel assembly repair activities. Within these areas the inspection consisted of a selective examination of procedures and representative records, observations of activities, and interviews with personnel.

The solid radioactive waste processing and control program was well implemented with effective waste processing and waste reduction efforts. The radioactive material transportation program was effectively implemented in accordance with Department of Transportation and NRC requirements. Licensee personnel were knowledgeable regarding radioactive waste processing and transportation requirements due to an effective training program. Good communication was observed between personnel involved with transportation activities. Planning, oversight and control of the spent fuel assembly repair activities were generally effective in maintaining dose as-low-as-is-reasonably-achievable.

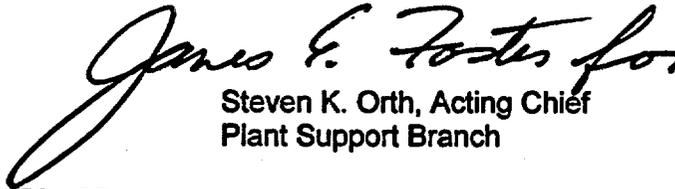
In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be placed in the NRC Public Document Room (PDR).

O. Kingsley

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

Sincerely,



Steven K. Orth, Acting Chief
Plant Support Branch

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

Enclosure: Inspection Report 50-454/2000004(DRS);
50-455/2000004(DRS)

cc w/encl:

- D. Helwig, Senior Vice President, Nuclear Services
- C. Crane, Senior Vice President, Nuclear Operations
- H. Stanley, Vice President, Nuclear Operations
- R. Krich, Vice President, Regulatory Services
- DCD - Licensing
- W. Levis, Site Vice President
- R. Lopriore, Station Manager
- K. Moser, Acting Regulatory Assurance Manager
- M. Aguilar, Assistant Attorney General
- State Liaison Officer
- State Liaison Officer, State of Wisconsin
- Chairman, Illinois Commerce Commission

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