

January 6, 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 50-456/99021(DRS);
50-457/99021(DRS)**

Dear Mr. Kingsley:

On December 17, 1999, the NRC completed an inspection at your Braidwood Nuclear Generating Plant. The purpose of the inspection was to review the water chemistry control program and the radiological environmental monitoring program (REMP). The enclosed report presents the results of that inspection. No violations of NRC requirements were identified.

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

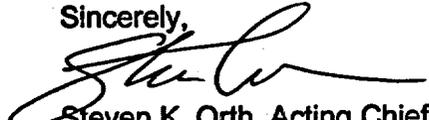
We concluded that, in general, your plant's water chemistry control program and REMP were well-implemented. Water chemistry parameters reviewed during the inspection were within industry guidelines for primary and secondary water chemistry. While the inspectors identified problems in chemistry sampling procedures, the staff took immediate action to correct the procedures and verify that additional procedures for water chemistry sampling were not similarly affected. The observed water chemistry sampling was conducted safely and ensured that representative samples were obtained using appropriate analytical techniques.

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

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

Sincerely,



Steven K. Orth, Acting Chief
Plant Support Branch

Docket Nos. 50-456; 50-457
License Nos. NPF-72; NPF-77

Enclosure: Inspection Report 50-456/99021(DRS); 50-457/99021(DRS)

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