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APR 11 1994

Docket No. 50-155

Consumers Power Company
ATTN: P. M. Donnelly
Plant Manager
Big Rock Point Nuclear Plant
17269 US 31 North
Charlevoix, MI 49720

Dear Mr. Donnelly:

SUBJECT: RADIOLOGICAL CONFIRMATORY MEASUREMENTS INSPECTION AT BIG ROCK POINT
(INSPECTION REPORT NO. 50-155/94008(DRSS))

This refers to the routine safety inspection conducted by Mr. S. K. Orth of this office on March 28 - April 1, 1994. The inspection included a review of authorized activities for your Big Rock Point Nuclear facility. At the conclusion of the inspection, the findings were discussed with those members of your staff identified in the enclosed report.

Areas examined during the inspection are identified in the report. Within these areas, the inspection consisted of a selective examination of procedures and representative records, interviews with personnel, and observation of activities in progress. In addition, our Mobile Laboratory was at the site during the inspection to perform independent measurements of radioactivity.

No violations of NRC requirements were identified during the course of this inspection. The results of NRC radiological confirmatory measurements continued to demonstrate your staff's abilities to accurately quantify radioactivity in liquid, solids, and gases. We have a concern, however, with timeliness of chemistry instrument maintenance and the poor operability of chemistry instruments, which was discussed with your staff. Timely and effective corrective maintenance of chemistry instrumentation is essential to adequately monitor plant chemistry parameters to prevent corrosion and increase plant performance.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and the enclosure 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,

"Original signed by J. W. McCormick-Barger"

J. W. McCormick-Barger, Chief
Radiological Programs Section 1

Enclosure: Inspection Reports
No. 50-155/94008(DRSS)

cc w/enclosure:
Robert A. Fenech, Vice President,
Nuclear Operations
OC/LFDCB
Resident Inspector, RIII
James R. Padgett, Michigan Public
Service Commission
Michigan Department of
Public Health
Big Rock Point, LPM, NRR
SRI, Palisades

bcc w/enclosure: PUBLIC IE06

yes
RIII
SKB
Orth/jp
4/8/94

RIII
JWB
McCormick-Barger
4/10/94

RIII *Pa*
Phillips
4/11/94