

POWER AUTHORITY OF THE STATE OF NEW YORK
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

P. O. BOX 215 BUCHANAN, N. Y. 10511

TELEPHONE: 914-739-8200



November 16, 1981
IP-JCB-15498

Mr. Ronald C. Haynes, Director
Office of Inspection and Enforcement
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

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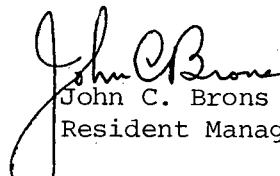
Dear Mr. Haynes:

In accordance with Section 5.6.2.b of the Environmental Technical Specification Requirements (ETSR) for Indian Point Unit No. 3, the Power Authority hereby submits a preliminary Anomalous Measurement Report.

On October 30, 1981, Interex Corporation, the analytical laboratory contractor for the Indian Point Radiological Environmental Monitoring Program, reported preliminary indications of anomalous concentrations of cobalt-58 and cobalt-60 in an aquatic vegetation sample which had been collected from the Hudson River. The levels reported were 6.42 ± 0.08 picocurie per gram Cobalt-58 and 1.23 ± 0.04 picocurie per gram Cobalt-60. These preliminary indications were confirmed by reanalysis conducted on November 2, 1981. The aquatic vegetation sampled was Potamogeton perfoliatus (pondweed family) from ETSR Station No. 17 which is located in the Hudson River approximately one mile downstream from Indian Point in the vicinity of Verplanck, New York. The activity concentrations observed in the confirmatory analysis were 5.38 ± 0.06 picocurie per gram for Cobalt-58 and 1.17 ± 0.03 picocurie per gram for Cobalt-60. These concentrations exceed concentrations from vegetation samples at the control station by more than a factor of ten. An attempt to obtain another sample of aquatic vegetation on November 6 was unsuccessful because no aquatic vegetation was found growing at that location.

The radioactive release data is being reviewed to determine if there is a correlation between specific releases from the Indian Point Site and the concentrations found in the aquatic vegetation.

Very truly yours


John C. Brons
Resident Manager



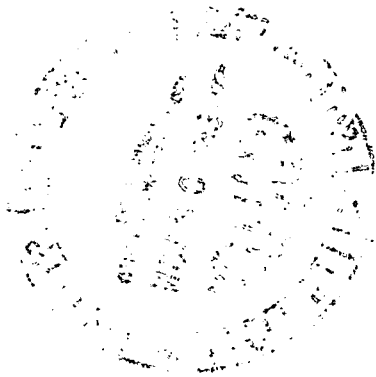
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cc: NRC Resident Inspector

Mr. Harold Denton, Director

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