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March 19, 1979
IPN-79-9

Director, Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. A. Schwencer, Chief
Operating Reactors Branch No.1
Division of Operating Reactors

Subject: Indian Point 3 Nuclear Power Plant
Docket No. 50-286
Radiological Release Points and
Release Frequencies

Dear Sir:

In response to a request from your Mr. L. Olshan, Enclosure 1 contains information regarding the radiological effluent release point and release frequencies from the Indian Point 3 facility.

This information is submitted as an addendum to the 10 CFR 50 Appendix I compliance evaluation submitted by letter dated March 14, 1977.

Very truly yours,

Paul J. Early
Paul J. Early
Assistant Chief Engineer-
Projects

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ENCLOSURE 1

RADIOLOGICAL EFFLUENT RELEASE POINT
AND RELEASE FREQUENCIES

Indian Point 3 Nuclear Power Plant
Docket No. 50-286
March 12, 1979

Discharges of radioactive gases from Indian Point 3 are vented through a duct which is mounted on the external surface of the vapor containment building. This exhaust duct, which measures approximately 7 feet by 5 feet, terminates on the top of containment and discharges vertically.

In the vent mode of operation, the volumetric flow rate is about 70,000 CFM at a temperature of approximately 70°F. Under a purging condition, this flow rate is increased by about 40,000 CFM.

The containment structure is cylindrical (144 ft. diameter) from its base to 148 feet above grade, then the structure becomes spherical for the remaining 67'-6". The top of the vapor containment is 258'-6" MSL.

Review of plant operating data for Indian Point 3 indicates that venting of the containment is necessary once every two days for approximately one and one-half hours.