

February 15, 1974



Mr. James P. O'Reilly, Director
Directorate of Regulatory Operations
Region I
U. S. Atomic Energy Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Subject: Abnormal Occurrence 74-3: Failure of one or more components of an engineered safety feature or plant protection system that causes or threatens to cause the feature or system to be incapable of performing its intended function.
R. E. Ginna Nuclear Power Plant, Unit No. 1
Docket No. 50-244

Dear Mr. O'Reilly:

During a pressure decay test of the containment purge supply and exhaust damper volumes to determine leakage of the dampers, an excessive leakage rate was obtained from both the supply and exhaust test volumes.

In each case the test volume is established by two closed 48 inch diameter dampers, one inside the containment vessel and the other immediately outside of the containment vessel.

Pressure decay from each of the test volumes showed a pressure loss of 2 psig/min. which is approximately 79,000 cc/min. leakage rate from each test volume, for a total leakage rate of approximately 158,000 cc/min. Technical Specifications allow local leakage to be .45 L_p, which is equivalent to a volumetric rate of 17,200 cc/min. @ 60 psig. With the test volume pressurized with air to 60 psig, an inspection was made of the dampers inside containment. Air leakage from each damper was audible at one location between the damper and "O" ring seat. Application of soap solution showed other smaller leakage paths. The outside damper of each test volume will be visually inspected as soon as possible. Preliminary indications are that the majority of air loss from each test volume is into the containment vessel and therefore this leakage does not provide a direct and sizable air flow path between the containment volume and outside atmosphere.

The plant has been shut down since January 1, 1974 for repairs to the turbine resulting from a broken turbine blade. Adjustments or repairs will be completed to ensure that the dampers are within the Technical Specification limits prior to refueling.

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Very truly yours,

C. E. Platt, Superintendent.
Ginna Station

xc: Mr. J. F. O'Leary

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