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December 21, 1971

Mr. James P. O'Reilly, Director
U.S. Atomic Energy Commission
Division of Compliance
Region 1
970 Broad Street
Newark, New Jersey 07102

Ref: AEC Compliance Comments
of November 24, 1971.
Docket No. 50-286

Dear Mr. O'Reilly:

Your letter of November 24, 1971 requests a description of Con Edison's intentions relative to information pertaining to two questions raised as a result of a visit to the Indian Point Unit 3 site by your representatives on October 26-28, 1971.

The information currently available to us follows:

Question

Provide information pertaining to wall thickness measurements of the safety systems valves and pump castings.

Reply

Indian Point Unit 3 valves and pumps were purchased by Westinghouse at a time when the manufacturers were not required to record "as-built" dimensions.

Recently, Westinghouse has completed a survey of all valve suppliers for the NSSS to determine what inspections the supplier performs to verify he is meeting dimensional requirements.

The summary of this survey, on file in Con Edison's Construction Office, indicates all valve suppliers routinely performed dimensional inspections of the valve components during the period of the

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fabrication of Unit 3 valves. This was verified by reviewing the manufacturers shop travelers or routing cards. In addition, Con Edison, through a representative of its surveillance agency, the U. S. Testing Company, visited most of the manufacturers that have supplied valves for use in the Indian Point Unit 3 Plant. Their reports show that the suppliers who were visited routinely verified the dimensional characteristics of the valves. Copies of the U. S. Testing Company reports are on file in Con Edison's Construction Office at Indian Point.

It is intended to perform a similar pump supplier survey to determine whether the dimensional requirements for pumps have been verified. The conclusions of the pump survey will be made known to you as soon as available.

Question

Provide methods to be used for the testing of valve operators to assure that design performance characteristics have been met.

Reply

Valve operators are subjected to tests at the vendors shop prior to shipment and later at the actual plant during construction check-out and startup.

Motor operated valves for Indian Point Unit 3 safety related items are procured by Westinghouse to Equipment Specification G676258, Rev. O.

Vendor tests are performed in accordance with Manufacturers Standards Society MSS-SP-61 code for valve testing. In addition to the above, each valve is given additional tests as called for in E Specification G676258. These tests include hydrostatic and seat leakage tests, motor current measurement, and operating time under conditions of differential pressure, as specified on the valve sheets.

These reports are on file both at the vendor's plant and at Westinghouse PWR-SD, Monroeville, Pa.

Air operated valves are procured by Westinghouse to Equipment Specification G-676270, Rev. O. Vendor tests on these valves are covered under Section 6.4, Inspection and Testing. Test records are on file both at the vendor's shop and at Westinghouse PWR-SD, Monroeville, Pa.

The U. S. Testing Company, conducting surveillance for Con Edison, have randomly visited suppliers of valves and verified that the tests required by the applicable Westinghouse specification were performed satisfactorily.

After the valves are installed in the Indian Point Unit 3 Plant, they will be given a construction check for freedom of operation, wiring, insulation resistance, and direction of rotation or diaphragm motion.

During pre-operational testing in the plant, safety related valves will be tested in accordance with Section 13 of the FSAR using procedures similar to those used for Indian Point Unit No. 2.

Please advise if further information is required.

Sincerely yours,



William J. Cahill, Jr.
Vice President

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