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VICE PRESIDENT
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July 10, 1980

IE Bulletin 80-17

Mr. Boyce H. Grier, Director
Office of Inspection & Enforcement
Region I
US Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Mr. Grier:

This letter is a partial response to IE Bulletin 80-17. Item 1 listed under "Actions to be Taken by Licensee" was completed for Peach Bottom Unit 3 on July 6, 1980. Unit 2 is presently shutdown for a refueling outage. Similar tests will be performed on Unit 2 prior to startup.

Item 1

Within 3 days from the date of this Bulletin, perform surveillance tests to verify that there is no significant amount of water in the Scram Discharge Volume (SDV) and associated piping and that the SDV vent valves are operable and vent system is free of obstruction.

Response

On July 4, 1980, the Scram Discharge Volume drain and vent valves were operated from the control room remote manual switch. Proper valve stroking was verified for both vent valves and the drain valve.

Also on July 4, tests were performed to verify that the vent system is free from obstruction. This was done by connecting an airline to the piping between the vent valve and the radwaste drain. Air was first introduced into the 1" vent line back

through the vent valve into the scram discharge volume for approximately five minutes. A temporary manual valve was then closed and the pressure was observed to drop quickly toward atmospheric. Air was then introduced into the line toward the clean radwaste drain. When air flow was stopped, pressure in this line quickly dropped to atmospheric. This test was repeated on both the north and south vent valves and piping.

Tests were performed on July 3, 4, 5, and 6 to verify operability of the drain valve and to prove that the drain line is free from obstructions. In this test, the SDV drain valve was closed until the "Scram Discharge Volume Not Drained" alarm was actuated. This alarm is actuated when the scram discharge volume contains approximately three gallons of water. The operability of the "Scram Discharge Volume Not Drained" level switch was verified prior to performance of the test. Opening of the drain valve resulted in resetting of the annunciator. This test proves operability of the drain valve and the ability to drain the Scram Discharge Volume. Test data indicates that the present total leakage from the 185 scram discharge valves actuates the "SDV Not Drained" alarm in approximately nine minutes 23 seconds (± 20 seconds) from the time the drain valve fully closes.

On July 4, the 8" diameter scram discharge piping loops above the hydraulic control modules were inspected. Measurements were made to verify that this loop header is sloped toward the 2" drain line attached to one corner of the rectangular type piping arrangement. The 2" drain line is attached at the bottom of the plate welded to the end of the tee in the rectangular arrangement. Radiographs were then made at both inputs to the low point tee of the rectangular piping arrangements. Radiographs were also taken at the inlet to the 2" piping, a section of the 2" piping just upstream of a vertical section and the inlet to the drain tank. These radiographs showed that the 2" piping horizontal sections contained approximately 1/8" to 1/4" of water in the bottom of the pipe. The 8" diameter piping where it connects to the 2" piping showed about 1/2" to 3/4" of water at the lowest point of piping. These levels identified by the radiographs appear to be consistent with the measured leakage through the scram valves of approximately .3 gallons per minute total for the 185 valves. The radiographs which indicate minimum water level in the drain piping coupled with the consistent leak rate verify that the scram discharge volume and associated piping is free from obstruction and contains no significant accumulation of water.

It is believed that the above testing fulfills the requirements of Item 1 of Bulletin 80-17. If you have any questions or require any clarification, please contact us.

Very truly yours,

cc: US Nuclear Regulatory Commission
Office of Inspection & Enforcement
Division of Reactor Operations Inspection
Washington, DC 20555

COMMONWEALTH OF PENNSYLVANIA :

ss.

COUNTY OF PHILADELPHIA :

S. L. Daltroff, being first duly sworn, deposes and says:

That he is Vice President of Philadelphia Electric Company; that he has read the foregoing response to IE Bulletin 80-17 and knows the contents thereof; and that the statements and matters set forth therein are true and correct to the best of his knowledge, information and belief.

S. L. Daltroff

Subscribed and sworn to
before me this 10th day
of July, 1980

Elizabeth H. Bover
Notary Public

ELIZABETH H. BOVER
Notary Public, Phila., Phila. Co.
My Commission Expires Jan. 30, 1982