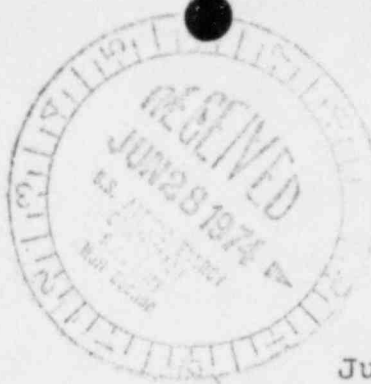




Wisconsin Electric POWER COMPANY
231 WEST MICHIGAN, MILWAUKEE, WISCONSIN 53201



June 25, 1974

Mr. John F. O'Leary, Director
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. O'Leary:

DOCKET NO. 50-266
POINT BEACH NUCLEAR PLANT
LEAKAGE TESTS OF ISOLATION VALVES

In our letter to you of May 3, 1974, we reported details concerning test of containment isolation valves for Unit 1 at Point Beach Nuclear Plant. At that time we advised you that 70% of the containment isolation valves had been leak tested and testing of the remainder was in progress. We indicated that should other valves be found to have leakage in excess of 2000 cc/min. we would advise you of such event.

We have now completed the containment isolation valve leakage tests and Unit 1 at Point Beach Nuclear Plant has been returned to service. This is to report that five (5) valves fall into the category of having exhibited a leak rate in excess of 2000 cc/min. when initially subjected to a local air pressure test of 60 psig. The test performance of these five valves is described in the attached table.

Specific comments on each valve testing are as follows:

1. The valve seat was found to have been scarred by some foreign material. The seat was repaired.
2. The valve was full of carbon dust from the vanes of the carbon vane type radiation monitor pump. The pump has been replaced with a water vane type pump to prevent a recurrence of the problem. All valve parts were cleaned and reinstalled.

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3. It was not a requirement to test this valve prior to the issuance of 10 CFR 50, Appendix J. Therefore, this was the first periodic test of the valve.

The closing spring of the valve was adjusted to give a greater closing force to correct the leakage.

4. Fine powdered dessicant was found to be preventing the valve from closing tightly. Further investigation disclosed a burst filter on the discharge side of the instrument air dryer, this permitting the fines of the dessicant to carry through. The valve parts were cleaned and replaced and all instrument lines were blown down to remove all traces of dessicant. The burst filter has been replaced.
5. Rust on the inside surface of the pipecarried forward to the area of the isolation valve and prevented its tight seating. The valve was cleaned and returned to service.

It should be noted that three of the above valves are check valves. Check valves can normally be expected to seat more tightly when the closing pressure is applied quickly. The application of closing air during a test is by means of a small diameter test fitting. Pressure buildup is therefore slow and this is not conducive to tight closing of this type of valve.

Each of the above valves is part of a closed system outside containment, except item 3, and leakage to the atmosphere could occur only if a pipe break in one of the systems existed outside the containment. In addition, each of the above valves has a second containment isolation valve and in every case, the second valve demonstrated an acceptable level of leak tightness. The actual contribution of leakage from these valves is measured along with all other sources of leakage from the containment during the type "A" leakage test of the containment. This test indicated that the actual measured leakage from all sources was 53% of the allowable operational leak rate. It is concluded that the leakage of the above valves did not contribute significantly to the measured leakage of the containment and a hazard to the health and safety of the public did not exist.

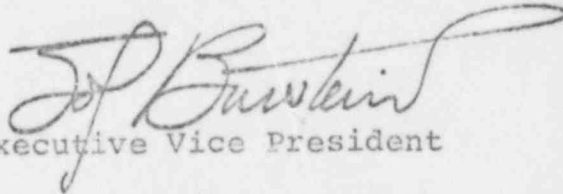
Mr. John F. O'Leary

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June 25, 1974

A full report of the type "A", "B" and "C" tests conducted during the Unit 1 second refueling shutdown, April 6, 1974 through May 26, 1974, is being prepared and will be filed separately as required by Section V.B of 10 CFR 50, Appendix J.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Sol Burstein", with a stylized, flowing script.

Executive Vice President

Sol Burstein

Enclosure

Penetration #	Valve #	Piping System	Init. Lkg. cc/min	Date of Test	Final Lkg. cc/min	Date of Test
1. X-1	3200B	Containment Gas & Particulate Monitor Supply	2,598	4/20/74	91.5	5/13/74
2. X-2	Check Valve	Containment Gas & Particulate Monitor Return	131,674	4/24/74	0	5/19/74
3. 9	1698	RCDT Pump Suc- tion Line	11,000	4/21/74	746	5/18/74
4. 33B	Check Valve	Instrument Air to Containment	9,621	5/12/74	786	5/18/74
5. 33C	Check Valve	Service Air to Containment	90,000	3/28/74	783.2	5/11/74