

PHILADELPHIA ELECTRIC COMPANY

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March 23, 1984

Docket No. 50-277

Dr. T. E. Murley, Administrator
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
Washington, DC 20555

SUBJECT: Peach Bottom Atomic Power Station - Unit 2
Moisture Monitoring System

Dear Dr. Murley:

This letter is a report of moisture monitoring system inoperability in accordance with Philadelphia Electric Company's commitment to report moisture monitoring system problems and alarms unrelated to actual system leakage as stated in letter, J. S. Kemper, PECO to Dr. T. E. Murley, USNRC, dated September 15, 1983.

Reference:	Docket No. 50-277
Report Number:	MM-2-02
Revision No.:	00
Event Date:	February 24, 1984
Report Date:	March 23, 1984
Facility:	Peach Bottom Atomic Power Station RD #1, Box 208, Delta, PA 17314

ABSTRACT

During Unit 2 startup operations, routine surveillance testing indicated a moisture sensor in the recirculation system moisture monitoring system was functioning improperly and the system was declared inoperable. Hourly monitoring of the drywell sump pump-out rates was initiated to determine drywell leakage rates. The hourly monitoring will continue until the sensor can be replaced

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or repaired during the next outage of sufficient duration to carry out the work.

DESCRIPTION OF THE EVENT:

On February 24, 1984, during Peach Bottom Unit 2 startup while conducting a routine surveillance test, (ST 13.40 'Checkout of Moisture Monitoring System') to verify the operability of the moisture monitoring system, Point 7 failed. Point 7 is installed on weld A-AM-4/AHG in the 'A' recirculation loop 22 inch mainfold.

The moisture monitoring system was declared inoperable at 8:00 p.m. on February 24, 1984.

CONSEQUENCES OF THE EVENT

After the system was declared inoperable, enhanced surveillance requirements (ST 13.41 'Hourly Drywell Leak Detection') were initiated and will be continued until an outage of sufficient duration to make the system operable. The purpose of ST 13.41 is to provide early warning of reactor coolant leakage via the drywell sump collection system when the moisture monitoring system is inoperable and reactor temperature is above 212 degrees. These surveillance requirements ensure that drywell leakage rates do not exceed the limits of Technical Specification 3.6.C.1. Therefore, the safety consequences of this event are considered minimal.

CAUSE OF THE EVENT

The cause of the event will be determined during the next unit outage of sufficient duration with the drywell deinerted.

Dr. T. E. Murley, USNRC
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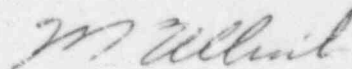
CORRECTIVE ACTIONS:

Hourly monitoring of the drywell sump collection system will be performed until the next unit outage of sufficient duration with the drywell deinerted so that the system can be made operable.

PREVIOUS SIMILAR OCCURRENCES:

LER 2-83-26/31, 3-83-16/31, 3-83-21/3L, 3-83-24/3L and letter: W. T. Ullrich, PECO to Dr. T. E. Murley, USNRC, dated March 5, 1984.

Very truly yours,



W. T. Ullrich
Superintendent
Nuclear Generation Division

cc: Mr. A. R. Blough, Site Inspector

J. F. Stolz, Operating Reactors Branch No. 4