

Certified By

MAP

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

P. O. BOX 188

DELTA, PENNSYLVANIA 17314

November 5, 1982

REVISED COPY TO CORRECT
REPORT NO. AND TYPOGRAPHY

Mr. R. C. Haynes
Administrator
U. S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

SUBJECT: REPORTABLE OCCURRENCE - PROMPT NOTIFICATION

Confirming W. T. Ullrich with Randy Blough, Region I, United States
Nuclear Regulatory Commission on 11/01/82.

Reference: Docket No. 50-278
Peach Bottom Unit 3
Technical Specification - Paragraph 3.8.C.8

Report No. 3-82-21/1P
Occurrence Date: 11/01/82

Identification of Occurrence:

At approximately 9:00 pm on November 1, 1982, the 3A Reactor Building vent stack radiation monitor was found to have less than the desired sensitivity. The 3B Reactor Building vent stack monitor had previously been out of service, but was returned to service at approximately 8:00 pm on November 1, 1982. The 3A vent stack monitor was known to be operable at 9:00 am on November 1, 1982. During the twelve hours from 9:00 am to 9:00 pm on November 1, 1982, the sensitivity of the 3A detector apparently decreased such that its response to a check source at 9:00 pm was less than the minimum specified in the surveillance test.

Conditions Prior to Occurrence:

Unit 3 was operating at essentially full load during the period in which repairs were made to the 3A and 3B Reactor Building radiation monitors. At approximately 10:00 am, October 30, 1982, the 3B detector failed. The 3A detector was operable at this time. Repairs were made to the 3B detector on October 30, 1982, but a source check following repairs identified that the 3B detector had insufficient sensitivity and, therefore, could not be considered operable. Following replacement of the amplifier and additional repairs, the 3B monitor was calibrated and source checked at approximately 8:00 pm, November 1, 1982. The 3A vent stack monitor was known to be operable up to 9:00 am on November 1, 1982. Since stack releases were less than .1% of the Tech. Spec. limit during this period of time the 3A detector was reading essentially background radiation levels.

The detector continued to read essentially background levels through 9:00 pm on November 1, 1982. A source check, however, at 9:00 pm on November 1, 1982, identified reduced sensitivity.

Apparent Cause of Occurrence:

Investigation on November 2, 1982, identified a drift in the channel voltage plateau, thereby, caused reduced sensitivity.

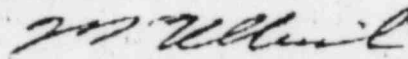
Analysis of Occurrences:

Safety significance is considered minimal in that the Reactor Building vent stack had a operable detector during the entire time period. During a portion of the time period, the one operable detector may have had a reduced sensitivity. Plant operation was stable and releases were at essentially background levels (less than .1% of Tech. Spec.) during the entire time period.

Corrective Action:

The 3A vent stack monitor was re-aligned on November 2, 1982, to provide the correct voltage plateau. A source check following re-alignment proved channel operability at approximately 4:00 pm on November 2, 1982.

Very truly yours,



W. T. Ullrich