

Delivered to Mr. R. A. Feil

DELTA, PENNSYLVANIA
17314

215-337-1150

X-243

July 29, 1974 RO

Mr. James P. O'Reilly, Director
United States Atomic Energy Commission
Directorate of Regulatory Operations
631 Park Avenue
King of Prussia, Pennsylvania 19406

Subject: Abnormal Occurrence 24-Hour Notification

Confirming J. F. Franz' phone conversation with Mr. R. A. Feil,
A.E.C. Region 1 Regulatory Operations Office on July 29, 1974.

Reference: License Number DPR-56
Technical Specification Table 3.2.D

Report No.: 50-278-74-2
Report Date: July 29, 1974
Occurrence Date: July 29, 1974
Facility: Peach Bottom Atomic Power Station
R. D. 1, Delta, Pennsylvania 17314

Identification of Occurrence:

RIS-3-17-458D refueling floor exhaust high radiation detector
was found to have a trip point in excess of the Tech Spec value
during instrument calibration.

Conditions Prior to Occurrence:

Fuel loading of initial core in progress.

Description of Occurrence:

RIS-3-17-458D refueling floor exhaust high radiation monitor was
found to have a trip point of about 24 mR/HR actual during instrument
calibration. Tech Spec required setpoint is 16 mR/HR.

Designation of Apparent Cause of Occurrence:

The device had been conservatively set to trip at 10 mR/HR indicated
value. During the calibration of the device with an external source,
it was discovered that actual 16 mR/HR yielded an indicated value of
7 mR/HR. The device is a four-decade log device and this reading is
within the instrument accuracy in percent of equivalent linear full
scale. No problem exists with the instrumentation.

Analysis of Occurrence:

This device is one instrument in a one-out-of-two-twice logic which
initiates a ventilation system isolation on refueling floor exhaust
high radiation. Since there is no irradiated fuel in Unit 3, there
is no situation which could create the initiating signal. There are
no safety implications associated with this trip point deviation.

8401240055 740808
PDR ADDCK 05000278
S PDR

U.S. ATOMIC ENERGY
DIVISION OF CB

1974 AUG 12

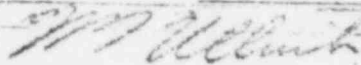
RECEIVED

air flow devices which monitor refueling floor exhaust high radiation were set to trip at a more conservative indicated value. This indicated value, when compared to the actual calibration trip value, is significantly below the required actual 16 mR/HR in all cases.

Failure Data:

This same problem occurred on a similar detector on Unit 2 and was reported as an Abnormal Occurrence on October 29, 1973.

Very truly yours,



W. T. Ullrich
Superintendent
Peach Bottom Atomic Power Station