

April 16, 1982

Mr. R. C. Haynes, Director
Region I
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

SUBJECT: REPORTABLE OCCURRENCE - PROMPT NOTIFICATION

Confirming D. C. Smith's conversation with Mr. Blough, Region I,
United States Nuclear Regulatory Commission on 4-13-82.

Reference: Docket No. 50-277/278
Peach Bottom Units 2 and 3
10CFR 20.403(b)

LER Report No.: 2-82-10/1P
Occurrence Date: 4/13/82

Identification of Occurrence:

Possible overexposure identified on Eberline TLD for month of March.

Conditions Prior to Occurrence:

Unit 2 shutdown for refueling maintenance outage. Unit 3 operating
at full power.

Apparent Cause of Occurrence:

Investigation into the badge exposure is in progress. The cause has
not been identified. Preliminary investigation indicates that tampering
with the TLD may be involved.

Analysis of Occurrence:

The Eberline TLD badge which read a corrected exposure of 9.175 Rem was
assigned to a laborer whose primary work assignment was in the laundry
area. The individual was interviewed and a work assignment history
identified. Review of radiation work permits used by the individual
indicated a total exposure of 0.250 Rem. Exposures read via the
Harshaw TLD badge for the same time interval indicated an exposure
of 0.240 Rem. Other personnel working on the same RNPs also had
exposure doses within the same low range.

Eberline reported two abnormalities with the particular TLD which read
9.175 Rem. The badge in question was a February TLD, but was returned
with the March batch of TLDs. In addition, the label on the particular
badge was upside down on the badge indicating that some tampering
may be involved.

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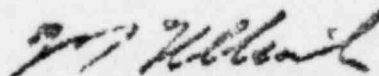
Based on the low exposure identified by the two other exposure monitoring mechanisms at Peach Bottom and an apparent tampering with the Eberline badge, it appears that an overexposure to this individual has not occurred.

Corrective Action:

Following notification by Eberline, the individual's security badge was immediately removed. This prevents the man from entering the protective area and therefore all radioactive areas. Work assignments have been provided to the individual outside the protected area while the investigation continues. The man was also given a whole body count which showed less than 10% of the investigative limit and only naturally occurring radioactive isotopes. The investigation will continue and a 30 day report will be issued.

This event was immediately reported to the site resident NRC inspector and via the Red telephone. The delay in this written report occurred due to a misunderstanding of 10CFR 20.403(b). It was believed that immediate verbal report was sufficient, and a 24 hour written report was not required. This misunderstanding has been corrected and this report is being submitted.

Very truly yours,



W. T. Ullrich
Station Superintendent

WTU:llh