

NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-TMI-84-09

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation and is basically all that is known by NRC staff on this date.

Facility: GPU Nuclear Corporation  
Three Mile Island, Unit 2  
Docket Number 50-320

Licensee Emergency Classification:  
X Not Applicable

Subject: PERSONNEL DOSIMETER HIGH READING

On September 6, 1984, the licensee notified the TMI Program Office that a worker's Thermoluminescent Dosimeter (TLD) indicated a 28.8 rem beta exposure. The gamma exposure to the worker's badge was 177 mrem which agreed with his self-reading personnel dosimeter. The high exposure indication was detected during the normal 30 day processing of TLD dosimeters. The licensee is investigating causes for the high dosimeter readings.

The licensee has tested the TLD in question by exposure to known radiation to determine if any TLD anomaly exists. None was determined. Testing of TLD reader equipment indicates there is no equipment malfunction. Although co-workers TLD readings confirmed the gamma dose exposure, they did not confirm the high beta exposure.

The licensee is pursuing further analysis to determine the cause of the high TLD reading.

Media interest may occur because of public sensitivity to TMI related events. The Commonwealth of Pennsylvania was informed.

This information is current as of 3:30 PM, September 7, 1984.

This preliminary notification is issued for information only and the NRC plans to continue monitoring events as they occur.

Contact: *KLB for* R. Cook 590-1125 *PJB* *for* W. Travers 590-1120

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