

NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-TMI-84-11

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: ENVIRONMENTAL AIR SAMPLES

The licensee informed the NRC that samples taken from their cryogenic gas environmental air samplers indicated higher than anticipated concentrations of Kr-85 for the period of July 25 - August 2, 1984. The reactor vessel head was lifted from the reactor vessel during this period. The licensee's environmental samplers are located at the Observation Center, Middletown, PA, and Falmouth, PA, and indicated 165, 105, and 261 pCi/m<sup>3</sup> of Kr-85 respectively. These concentrations are well below the limits set forth in 10 CFR Part 20 for Kr-85. Middletown and Falmouth are located north and south of the plant and the Observation Center is east of the plant. Environmental Protection Agency Kr-85 samples for this same period of time indicated approximately 26 pCi/m<sup>3</sup>. The samples were taken from locations north, south, east, and west of the plant. Also two plant vent noble gas monitors and the reactor building purge monitor did not show any increases during this period of time. The NRC monitored the purge and plant vent instrumentation during the reactor vessel head lift operations. No abnormal readings were noted.

The licensee is continuing to investigate the cause of the high readings on their environmental monitors.

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

This information is current as of 9:00 AM, September 24, 1984.

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

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