

IMMEDIATE
PRELIMINARY NOTIFICATION

APR 29 1979

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PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-79-67AJ

This preliminary notification constitutes summary information of an event of safety or public interest significance. The information presented is a summary of information as of 7:00 a.m. on April 29, 1979.

Facility: Three Mile Island Unit 2
Middletown, Pennsylvania (DN 50-320)

Subject: NUCLEAR INCIDENT AT THREE MILE ISLAND

Plant Status

The average coolant temperature is 175 degrees F. Steam is being admitted to the main condenser through the turbine bypass valves from the A Steam Generator. The highest incore temperature reading is 320 degrees F. Natural circulation is continuing on the A Steam Generator.

Environmental Status

Two Aerial Measuring System (AMS) Surveys were made on April 28, 1979. No radioactivity above natural background was detected.

Iodine concentration at Unit 2 ventilation stack (Analyzed by NRC Mobile Laboratory).

<u>Date/Time</u>	<u>Activity (uCi/cc)</u>
4/27 (0011) - 4/28 (0038)	1.11×10^{-8}
4/28 (0042) - 4/28 (0830)	3.35×10^{-9}
4/28 (0832) - 4/28 (1625)	9.51×10^{-9}

Offsite Measurements

Radiation Levels

Offsite radiation levels identified by NRC survey teams continue to be consistent with natural background levels (0.02 mR/hr maximum). These results were obtained from routine daily surveys performed downwind on the east and west sides of the Susquehanna River at distances up to five miles north and south of the site.

Dose rates (47 locations) as measured by NRC thermoluminescent dosimeters (TLDs) for the past 24 hour period continue to be consistent with natural background levels.

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NRC Environmental Samples (Samples taken offsite within 3 miles of site analyzed in mobile laboratory)

Sample Type	Date of Sample	Number of Samples	Results
air	4/28	9	Less than MDA*
daily air	4/28-29	1	Less than MDA

EPA Environmental Samples (Analyzed at Remote Laboratory)

No Sample Results Reported.

*MDA - minimum detectable activity.

The Commonwealth of Pennsylvania has been informed of these results.

Contact: DChapell, IE x28080; DThompson, IE x 28487

Distribution: Transmitted H SL 11:20a.

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