

IMMEDIATE  
PRELIMINARY NOTIFICATION

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ITERA

April 27 1979

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

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 27, 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 being maintained at 225 degrees F by admitting steam to the main condenser through the turbine bypass valves. The highest incore temperature reading is 310 degrees F.

Pressurizer level transmitter LT-3 became erratic over the period of 12:30 - 1:30 a.m. on April 27, but is now tracking again. Calibration of the Heise Gauge, to be used as a back-up pressurizer level measurement has been completed.

Environmental Status

No Aerial Measuring System (AMS) Surveys were made on April 26, 1979.

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

<u>Date/Time</u>	<u>Activity (uCi/cc)</u>
4/26 (0016) - 4/26 (0357)	$1.2 \times 10^{-8}$
4/26 (0400) - 4/26 (0800)	$1.1 \times 10^{-8}$
4/26 (0805) - 4/26 (1220)	$1.1 \times 10^{-8}$
4/26 (1220) - 4/26 (1558)	$7.4 \times 10^{-9}$
4/26 (1606) - 4/26 (1913)	$1.4 \times 10^{-8}$
4/26 (1913) - 4/27 (0006)	$1.4 \times 10^{-8}$

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.

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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.

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

<u>Sample Type</u>	<u>Date of Sample</u>	<u>Number of Samples</u>	<u>Results</u>
air	4/26-27	7	Less than MDA*
daily air	4/25-26	1	Less than MDA
rain water	4/26	1	Less than MDA

EPA Environmental Samples (Analyzed at Remote Laboratory)

EPA reported orally that the air samples collected on 4/24 - 4/25 from the 31 sampling stations were all less than MDA for I-131.

All EPA samples were taken at distances greater than 2 miles from the site.

\*MDA - minimum detectable activity.

The Commonwealth of Pennsylvania has been informed of these results.

Contact: RCPaulus, IE 27246 DThompson, IE x27246

Distribution: Transmitted H St 12:45P

Chairman Hendrie	Commissioner Bradford	S. J. Chilk, SECY
Commissioner Kennedy	Commissioner Ahearne	C. C. Kammerer, CA
Commissioner Gilinsky		(For Distribution)
Transmitted: MNBB <u>12:45P</u>	P. Bldg <u>3112</u>	J. G. Davis, IE
L. V. Gossick, EDO	H. R. Denton, NRR	Region I <u>3215</u>
H. L. Ornstein, EDO	R. C. DeYoung, NRR	Region II _____
J. J. Fouchard, PA	R. J. Mattson, NRR	Region III _____
N. M. Haller, MPA	V. Stello, NRR	Region IV _____
R. G. Ryan, OSP	R. S. Boyd, NRR	Region V _____
H. K. Shapar, ELD	SS Bldg <u>12:54P</u>	(MAIL) _____
	W. J. Dircks, NMSS	J. J. Cummings, OIA
	S. Levine, RES	R. Minogue, SD

IE (TMI) Site 2:30 12:51 (Provide copy to STATE)

White House Situation Room \_\_\_\_\_

2-4 Year FDAA \_\_\_\_\_ (Provide copies to the Administrator and the Operations Center)

EPA 12:25 (X sent) 6m

Rep. DOE/EOC \_\_\_\_\_

man. Year PEMA \_\_\_\_\_

6. Act 3-m BRP (State of PA) 4/27-1:00 p.

DCPA 12:25 (X sent) 6m

man. Year HEW \_\_\_\_\_

Handcarry (FAA) \_\_\_\_\_

man. Year C. Abraham, PA (Middletown Information Center) 2:45 p.m.

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