

April 4, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL CONCURRENCE--PNO-TMI-80-20

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

Facility: Metropolitan Edison Company
Three Mile Island, Unit 2
Middletown, Pennsylvania
Docket Number 50-320

Subject: TMI 2 Ground Water Monitoring Program

Over the past few months eight ground water monitoring wells were drilled in various locations around the Unit 2 reactor building to detect leakage from the reactor building sump. Initial samples from the wells have been analyzed. Samples from seven wells indicate tritium activity in the 1.6×10^{-7} to 9.9×10^{-7} uCi/ml range. Tritium activity in well No. 2 was initially 1.53×10^{-6} uCi/ml. After the initial well water content was pumped out, a second sample was taken and indicated a tritium activity of 2.50×10^{-6} uCi/ml. Well No. 2 is located approximately 50 feet from the buried water storage tank and 200 feet from the reactor building.

Water samples from several wells were brown colored. The source of the color was not determined.

Licensee and NRC representatives are outlining a program to determine the source of the tritium activity and the reason for the water discoloration. Natural background tritium activity in the area as recorded by the EPA is 2.00×10^{-7} uCi/ml.

Media interest is expected because off site notification of this data was made by the licensee. The Commonwealth of Pennsylvania has been notified. A press release is not planned by the licensee or the NRC.

This preliminary notification is issued for information only and this information is current as of 1:30 P.M.

Contact: G. Kalman 590-3957
Prepared by

A. N. Fasano 590-3950
Section Chief

J. I. Collins 590-3955
Deputy Program Manager

Distribution: (Facsimile Transmission Times Noted)

H St Bldg
Chairman Ahearne
Commissioner Kennedy
Commissioner Gilinsky

Commissioner Bradford
Commissioner Hendrie
ACRS

S. J. Chilk, SECY
C. C. Kanmerer, CA
(for Distribution)

MNB Bldg
W. J. Dircks, EDO
C. Michelson, AEDO
J. J. Fouchard, PA
N. M. Haller, MPA
R. G. Ryan, OSP
H. K. Shaper, ELD

P. Bldg
H. K. Denton, NRR
D. R. Muller, NRR
R. J. Mattson, NRR
D. Vassallo, NRR
D. Eisenhut, NRR
R. H. Vollmer, NRR
B. J. Snyder, NRR

TF:XOXS (IL:HU Dist.)

Landon Bldg (Fax by HQ)
(6 min/page)
J. J. Cummings, OIA

Region I _____
Region II _____
Region III _____
Region IV _____
Region V _____

Willste Bldg
J. G. Davis, NMSS
R. Budnitz, RES

(MAIL)
R. Minogue, SU
TF:XOXS

Docket Room

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF RESEARCH AND DEVELOPMENT
ENVIRONMENTAL MONITORING SYSTEMS LABORATORY-LAS VEGAS
P.O. BOX 15027, LAS VEGAS, NEVADA 89114 • 702/736-2969 (FTS 595-2969)

8005070 245R

REGULATORY DOCKET FILE COPY

POOR ORIGINAL

Date: 02/26/80

Reply to
Attn of: TMI

Subject: EPA Preliminary Data Report

To: John Collins
Deputy Director - NRE/TMI Site

Air Sampling

- Stations: 16, 23 - Collection date 02/20/80
- Stations: 17, 20, 21, 31, 34 - Collection date 02/21/80
- Stations: 3, 4, 5, 9, 11, 13, 14, 16, 35, 36, 37, 38 - Collection date 02/22/80

No reactor related radionuclides were identified.

Water Sampling

<u>Location</u>	<u>Collection Date</u>	<u>Results*</u>
Lancaster	02/13/80	GSN
Lancaster	02/14/80	GSN
Lancaster	02/15/80	GSN
Lancaster	02/16/80	GSN
Lancaster	02/17/80	GSN
Lancaster	02/18/80	GSN
TMI 001 (composite)	02/20 - 02/21	GSN
TMI 001 (composite)	02/21 - 02/22	GSN
TMI 001 (composite)	02/22 - 02/23	GSN
TMI 001 (composite)	02/23 - 02/25	GSN
TMI 001 (composite)	02/25 - 02/26	GSN
City Island	02/26/80	GSN

*GSN - Gamma Scan Negative

Allan E. Smith

Allan E. Smith
Senior On-site Representative