

April 4, 1980

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

This preliminary notification constitutes EARLY notice of events of POSSIBLE 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  $1.6 \times 10^{-7}$  to  $9.9 \times 10^{-7}$  uCi/ml range. Tritium activity in well No. 2 was initially  $1.53 \times 10^{-6}$  uCi/ml. After the initial well water content was pumped out, a second sample was taken and indicated a tritium activity of  $2.50 \times 10^{-6}$  uCi/ml. Well No. 2 is located approximately 50 feet from the bored 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  $2.00 \times 10^{-7}$  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.

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