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NRC PDR

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 4, 1980
NRC/TMI-80-018

Docket No.: 50-320

Mr. R. C. Arnold
Senior Vice President
Metropolitan Edison Company
100 Interpace Parkway
Parsippany, New Jersey 07054

Dear Mr. Arnold:

Subject: Request for additional information on groundwater
conditions at TMI

We have reviewed the currently available data obtained from the eight monitoring wells around TMI-2 reactor building. As a result of the measurements of the tritium in the groundwater samples, I am requesting that Met-Ed initiate the actions listed in enclosure 1 to this letter. Please provide to me by April 8 a status report for each of the action items listed in the enclosure.

Sincerely,

John T. Collins
John T. Collins
Deputy Program Manager
TMI Program Office

Enclosure: As Stated

cc: See Distribution List

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REQUESTS FOR ACTION PLAN TO
EVALUATE GROUNDWATER CONDITIONS AT TMI

1. Take soil and groundwater samples from holes at a minimum of 4 locations using an auger, and located as close to the reactor building as physically possible (closer than MW-2, MW-3, or MW-8). In addition, take soil and groundwater samples in the vicinity of the leaking BWST and near the auxiliary building. Shelby tube samples should be used below groundwater level.
2. Run tritium and isotopic gamma scans on all samples.
3. Provide concentrations, activities, and history of concentrations of BWST which is located near MW-2.
4. Provide nuclide data from the sampling programs that were performed at MW-1 and at the monitoring well located near the interim solid waste storage area.
5. Provide the results of recent sampling of Susquehanna River water with regard to tritium and gamma scans.
6. Provide the containment water level history.
7. Provide groundwater elevations from recent monitor well tests and from other available information.
8. Provide recent tritium and gamma scan analyses of recent samples taken from MW-8.
9. Provide detailed evaluations and conclusions regarding the source of leakage, particularly the possibility of leakage from the containment and auxiliary buildings after the accident which may have resulted in nuclide migration away from the building. Include the location of piping and possible pipe leaks in your analysis.
10. Maintain ongoing records and analyses of the well monitoring program and related monitoring programs.
11. Determine constituents of brown water samples from MW-3 and MW-8