

644

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE COMMISSION

In the Matter of)
METROPOLITAN EDISON COMPANY, ET AL.)
(Three Mile Island Nuclear)
Generating Station, Unit 1))

DOCKETED
USNRC
Docket 50-289
*84 SEP -7 A10:48
sf

AAMODT REPORT OF FIELD TRIP
TO AREAS NORTHWEST OF TMI
AT REQUEST OF NRC STAFF

OFFICE OF GENERAL
DOCKETING & SER
BRANCH

On August 30, 1984, about noontime, Dr. Travers of the NRC Staff at TMI called us to request the locations where we measured 0.1 mr gamma radiation on the ground. Subsequently, we contacted the owner of the property and obtained his permission to bring representatives of the NRC, DER and EPA. We also contacted two other persons who expressed great interest in an immediate evaluation of any hazard of their residential environment.

At 4 p.m. on the same day, we met with Dr. Travers and David Collins of the NRC, Margaret Reilly of DER and Dr. Kirk and Tom Woolley of EPA. We went with these representatives to each of three locations northwest of TMI. These representatives brought along radiation detection equipment, including, at our request, the Newberry Township detector which was one of two devices used to obtain our measurements in May of this year. Mr. Collins carried the Newberry Township device as well as NRC's. We neither requested nor were provided any information concerning the calibration of any of these instruments. EPA and DER also brought along counters for alpha radiation detection.

DS03

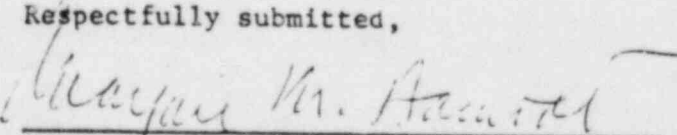
At each of the three locations, the agency devise measured between 0.005 and 0.010 mr gamma. The Newberry Township devise measured "two to three" times greater amounts, according to Mr. Collins.

At the first location, the DER devise emitted rapid audible signals at a downspout, however this evidence was not verified by the EPA devise. At the second location (where we had obtained 0.1 - 0.3 mr readings in May of this year using the Newberry devise and a private devise), the ground had been disturbed by a bulldozer in landscaping. (We did not accompany the representatives making measurements because of the muddy ground and the refusal of NRC to provide protective foot coverings before venturing in areas where we believe there is dangerous radioactive contamination.)

At the third location, at our suggestion, Dr. Kirk examined the porch railing with an alpha detector. The detector responded with a weak, but constant, signal over the entire length of the railing which ran the length of the house, except for an area about two feet in width. The resident, who was not aware of the measurements, ~~was asked to~~ indicated that ^{WDS} where she had leaned over the railing when engulfed in the wave of warm air on the evening of March 30, 1979 (an experience which is related in Affidavit 6 of our motion)--an experience which can be reasonably be explained as insult from a radioactive plume from TMI-2.

Mr. Collins requested permission to return to the third residence to make additional observations. He and Dr. Kirk agreed that the matters we have raised need to be investigated further.

Respectfully submitted,


Marjorie M. Aamodt

September 5, 1984

Service as per AAMODT RESPONSE of same date.