

FEB 18 1977

Docket No. 50-320

MEMORANDUM FOR: S. A. Varga, Chief, Light Water Reactors Branch 4, DPH
 FROM: W. E. Kreger, Chief, Radiological Assessment Branch, DSE
 SUBJECT: HEARING TESTIMONY FOR THREE MILE ISLAND 2, ISSUE NO. 21
 IN NUREG-0153

PLANT NAME: Three Mile Island Unit 2
 LICENSING STAGE: OL
 DOCKET NUMBER: 50-320
 PROJECT MANAGER: H. Silver
 RESPONSIBLE BRANCH: LWR-4
 REQUESTED COMPLETION DATE: 2/18/77
 DESCRIPTION OF RESPONSE: Draft Testimony on Issue No. 21
 REVIEW STATUS: Complete

Draft testimony on Issue No. 21, "Instruments for Monitoring Both Radiation and Process Variables During Accidents", is enclosed.

This testimony was prepared by Jack Nehemias, RPS/RAB.

W.E.K.
 William E. Kreger, Chief
 Radiological Assessment Branch
 Division of Site Safety and
 Environmental Analysis

Enclosure as stated

cc
 W.
 D.

cc incl.:

- S. Hanauer
- H. Denton
- D. Muller
- F. Miraglia
- J. Miller
- R. Boyd
- J. Collins
- R. Vellner
- T. Murphy
- J. Nehemias
- H. Silver
- D. Vassallo

DISTRIBUTION
 DISTRIBUTION
 DOCKET FILE
 NRR READING
 DSE READING
 RAB READING
 WKREGER

7905010151 A

Dest 157

MEMO
 4

19 098

OFFICE	RAB:DSE:SA	RAB:DSE:SA	RAB:DSE:SA		
SURNAME	<i>RAB for</i> JNehemias:pc	<i>RAB for</i> TDMurphy	<i>RAB for</i> WFKreger		
DATE	2/18/77	2/18/77	2/18/77		

HEARING TESTIMONY
THREE MILE ISLAND-2

The Final Safety Analysis Report for Three Mile Island, Unit 2 describes the radiation monitoring system in Chapter 12.1.4. Table 12.1-5 lists 21 radiation monitors and specifies the location of each, as well as its range and alarm set points in millirems per hour. These instrument characteristics were selected to provide routine monitoring during normal operation, as well as additional alarms during and following unusual occurrences up to and including a maximum hypothetical accident.

Radiological area monitors are not relied on as a primary means of coping with postulated accidents. As a result of Issue 21 discussed in NUREG-0153, the Staff has committed to reevaluate the acceptance criteria in Chapter 12.3.4. If as a result of that review, additional requirements concerning range, emergency power requirements and environmental qualifications are deemed necessary to meet Reg. Guide 1.97, the Three Mile Island area radiation monitoring system will be rereviewed for these attributes. The Three Mile Island radiation monitoring system is acceptable to the Staff's current acceptance criteria in the Standard Review Plan.