

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 77-37

Docket No. 50-320

License No. CPPR-66

Priority --

Category B1

Licensee: Metropolitan Edison Company

P. O. Box 542

Reading, Pennsylvania 19603

Facility Name: Three Mile Island Nuclear Station, Unit 2 (TMINS-2)

Inspection at: Metropolitan Edison Company Offices, Reading, Pa.

Inspection conducted: September 13, 1977

Inspectors: *[Signature]*

M. R. J. Bores, Radiation Specialist

9/29/77
date signed

date signed

date signed

Approved by:

[Signature]
J. P. Stone, Chief, Environmental and
Special Projects Section, FF&MS Branch

9/29/77
date signed

Inspection Summary:

Inspection on September 13, 1977 (Report No. 50-320/77-37)

Areas Inspected: Routine, announced inspection of the environmental protection program (preoperational phase), limited to the determination of status of preparedness to implement the operational environmental monitoring program. The inspection involved 8 onsite inspection hours by one NRC inspector.

Results: No items of noncompliance were identified in the area inspected.

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DETAILS

1. Individuals Contacted

Metropolitan Edison Company - Reading Office

*T. A. Jenckes, Supervisor, Radiation Safety and Environmental Engineering (RS&EE)
J. E. Mudge, Engineer III, RS&EE
*M. R. Buring, Senior Technical Analyst, RS&EE
B. J. Beck, Engineering Assistant, RS&EE
A. Roth, Engineer II, RS&EE
C. W. Smyth, Licensing Engineer
R. Probhakar, Supervisor, QA
E. Kellogg, QA Engineer

Metropolitan Edison Company - TMINS-2

+G. P. Miller, Unit 2 Superintendent
+J. L. Seelinger, Superintendent - Technical Support
+J. A. Brummer, Instrument Engineer

+ telephone contact only (9/16/77)

* denotes those present at the exit interview.

2. General

This inspection was limited to the review of the status of readiness to implement the operational environmental monitoring program for TMINS-2. The specific items examined included the latest version of the draft nonradiological environmental technical specifications (ETS); the draft radiological ETS; the status of the licensee's procedures to implement Sections 3.0 and 4.0 of the ETS; the licensee's administrative procedures relative to the implementation of the management controls and assurance of quality of environmental analyses; and status of instrumentation at TMINS to monitor the nonradiological parameters required by the ETS (telephone discussions).

3. Determination of Status of Preparedness to Implement the Operational Environmental Monitoring Program

a. Nonradiological ETS

The inspector determined through discussions with the licensee that with the exception of a few areas, the June 16, 1977 Draft

of the ETS is generally acceptable. Procedures to implement this part of the ETS are being prepared for submittal to the NRC.

b. Radiological ETS

The inspector reviewed a draft of the ETS requirements for the radiological monitoring programs as prepared by the licensee for submittal to the NRC by September 17, 1977, and discussed this draft with the licensee. The specifics, as to which portion of the Technical Specifications (Appendix A or Appendix B) this program will be included in, has not yet been fixed.

c. Licensee's Procedure Manual

The inspector reviewed selected draft procedures for the implementation of the ecological/biological monitoring programs which are required by Sections 3.0 and 4.0 of the Draft Nonradiological ETS. The licensee stated that these procedures will be ready for submittal to the NRC about September 17, 1977.

With respect to the radiological environmental monitoring procedures, the licensee stated that these procedures will be ready for submittal on approximately September 30, 1977. Since the ETS for this area has not yet been submitted, however, nor the format specified, some additional time may be necessary to finalize these procedures.

d. Administrative Procedures

The inspector reviewed the licensee's draft administrative procedures and discussed with the licensee the provisions to implement and/or revise the procedures; the specific ETS requirements under which the administrative procedures are implemented; and the provisions for reviewing the ETS required programs, including frequencies and inspection items.

The inspector also reviewed with the licensee provisions made to perform the audits of the environmental programs at TMINS-2. The licensee stated that the current QA Plan requires an audit of all areas at least every two years. More frequent reviews are to be carried out at specified frequencies by RS&EE personnel under the provisions of the administrative procedures governing these programs.

The inspector also discussed with the licensee the program to insure the quality of analytical performance for both the radiological and nonradiological aspects of the ETS programs. The inspector reviewed several of the draft procedures relative to this aspect.

The licensee stated that he anticipated that the completion of the procedures covering the above areas would require approximately a month or more.

e. Plant Instrumentation

The inspector determined through discussions with the licensee that the Unit 2 thermal discharge monitoring instrumentation had been installed with the exception of the sensors for monitoring the ambient river water temperature. The thermal monitoring system has not yet been turned over to Met-Ed from Construction at this time, however, and the status of calibration was not determined.

The inspector also determined through discussions with the licensee that the meteorological instrumentation for the Unit 2 Control Room was installed and operating for wind speed, wind direction and for temperature. The licensee stated that provisions for monitoring ΔT are currently being worked on. Completion of this item will require at least several more weeks.

The inspector identified no items of noncompliance in the above areas. The inspector was not able to determine the acceptability of plant or analytical instrumentation in terms of that required for the licensee's environmental monitoring program via the Unit 2 ETS and the corresponding implementing procedures at this time, since the ETS (radiological) have not yet been submitted or accepted as final (nonradiological), nor have the implementing procedures for these areas been completed and reviewed. The inspector stated that these areas would be examined again after their completion to determine their acceptability prior to Unit 2 licensing.

4. Exit Interview

On September 13, 1977, following the inspection, the inspector met with the individuals denoted in paragraph 1. On September 16, 1977, the inspector contacted Mr. G. Miller, Unit 2 superintendent by telephone. During these discussions, the inspector discussed the purpose, scope and the findings of this inspection.