



COMMONWEALTH OF PENNSYLVANIA
 GOVERNOR'S OFFICE
 OFFICE OF THE BUDGET
 HARRISBURG, PA. 17120
 P.O. Box 1323

AUG 26 1975

August 26, 1975

UNITED STATES
 Nuclear Regulatory Commission
 Washington, D.C. 20555

PROJECT: Three Mile Island Nuclear Station

APPLICANT: Metropolitan Edison Company

LOCATION: Dauphin County

PSCH PROJECT NUMBER: 72-08-2-005

Aug 25 *RS*

Dear Sir:

Attached to this letter please find comments from the Department of Environmental Resources relative to the above referenced project.

Please consider these the formal comments of the Department in this project.

Thank you for your consideration in this matter.

Sincerely,

Rosemary E. White
 Rosemary E. White
 Project Review Coordinator
 Pennsylvania State Clearinghouse

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Enclosure(s)

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DEPARTMENT OF ENVIRONMENTAL RESOURCES

P. O. BOX 1467

HARRISBURG, PENNSYLVANIA 17120

The Secretary

August 8, 1975

SUBJECT: Department of Environmental Resources
Review and Evaluation of
PSCH No.: 72-08-3-005

TITLE: Three Mile Island - Environmental
Report - Operating License Stage

LOCATION: Dauphin County

TO: Rosemary White, Project Coordinator
Pennsylvania State Clearinghouse

A handwritten signature in cursive script, reading "Maurice K. Goddard".

FROM: MAURICE K. GODDARD
Secretary of Environmental Resources

No significant or adverse impact is anticipated by the implementation of this project. However, the Department of Environmental Resources offers these comments.

This project has been evaluated on the basis of the actions proposed in the applicant's submission. Any approval, granted or implied, does not extend to any changes made by the applicant subsequent to and not in keeping with our recommendations. Any such changes will require a new submission through the Pennsylvania State Clearinghouse.

We direct your attention to Section 2.5 of the report which summarizes the available information on water supplies downstream from the nuclear station for a distance of 50 miles. The consumers include public water supplies, industries and utilities. In addition, Figure 2.5-1 shows the location of lakes and reservoirs within a 50 mile radius of the site. Figure 2.5-3 shows the location of major water supplies within a 20 mile radius of the site which take water from streams in the vicinity, or from wells. Figure 2.5-4 lists all known data related to water supply systems.

From a water supply viewpoint, the project will have no known adverse effect on the area, provided sound engineering practice is adhered to prior to and after the nuclear electric generating units are in operation.

Section 2.5-3 has been revised in the 1975 edition of the Environmental Report to show that the flood of record is 1,020,000 cfs which occurred in June 1972 during Hurricane Agnes. The dike around the power plant was designed for a previously estimated Probable Maximum Flood of 1,100,000 cfs which was almost duplicated by Agnes. The observed water surface elevations during Agnes were about 8.5 feet and 4.0 feet below the elevations of the dike at the upstream and downstream ends of the plant site, respectively. Now that the Probable Maximum Flood has been revised, such a rare occurrence would have a discharge of 1,625,000 cfs, with its water surface at elevation 310, which completely overtops the dike elevation of 304 at the downstream end of the plant site.

Although an event such as the Probable Maximum Flood is extremely rare, the experience during Hurricane Agnes has shown that such a event is not impossible. A study should be made of steps to be taken in case of an extreme flooding event. Would raising the levee to elevation 310 be feasible or would emergency shut down operations be sufficient? These alternatives would depend on the probability of occurrence of the Probable Maximum Flood during the 40 year life of the project and the risk of a flood disaster.

Further emphasis is again given here to the fact that large and small aircraft approaching the Harrisburg Airport continue to fly directly over the existing cooling towers, creating a hazard to both the nuclear installation and the aircraft. Airport and aviation authorities are clearly not enforcing their regulations.

The Department of Environmental Resources retains an interest in this project and desires to be informed of any adverse environmental effects encountered or anticipated in the further development of this project.