

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

REGION III

Report No. 50-329/78-08; 50-330/78-08

Docket No. 50-329; 50-330

License No. CPPR-81; CPPR-82

Licensee: Consumers Power Company  
212 West Michigan Avenue  
Jackson, MI 49201

Facility name: Midland Nuclear Plant, Units 1 and 2

Inspection at: Midland Plant Site, Midland, MI

Inspection conducted: July 17 and 18, 1978

Inspector: *A. G. Januska*  
A. G. Januska

8/1/78

Approved by: *T. H. Essig*  
T. H. Essig, Chief  
Environmental and Special  
Projects Section

8/1/78

Inspection Summary

Inspection began on July 17 and 18, 1978 (Reports No. 50-329/78-08;  
50-330/78-08)

Areas Inspected: Routine, unannounced inspection of environmental protection programs including implementation of environmental protection requirements during construction; and environmental monitoring program planning. The inspection involved 13 inspector-hours onsite by one NRC inspector.

Results: For the two areas inspected, no items of noncompliance or deviations were identified in any areas.

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## DETAILS

### 1. Persons Contacted

\*T. Cooke, Project Superintendent  
J. Corley, QA Superintendent  
B. Peck, Field Supervisor  
\*A. Kowalczyk, Chem/HP Superintendent  
\*W. Strodl, Health Physicist  
\*D. Andersen, Environmental Supervisor  
D. Sibbald, Senior Construction Advisor

\*Denotes those present at the exit interview.

### 2. General

The inspection consisted of a review of the licensee's nonradiological environmental monitoring program and an examination of the licensee's implementation of the environmental protection program for construction. The licensee's organization structure, delegation of responsibilities and authorities, and administrative controls were also examined.

### 3. Program Management

The licensee has prepared a document which identifies preoperational and operational, radiological and nonradiological monitoring programs, listing the organization and person who is projected to operate the program. Both the preoperational and operational environmental monitoring programs are defined in the licensee's "Environmental Report-Operating License Stage," Volume 3. A licensee representative stated that the radiological portion of the preoperational monitoring program will be initiated in the fall of 1978 and the nonradiological portion in the spring of 1979.

### 4. Construction Environmental Program Implementation

The inspector toured the plant site to observe construction related environmental monitoring programs and discussed completed and ongoing construction programs. Erosion control, dust control and road maintenance are the only ongoing programs in effect. The licensee has relocated trees for screening and has committed

to provide groundcover whenever new areas are opened or disturbed, for erosion control. Dust control implementation is neither scheduled or documented, but the inspector observed wetting with sprinkler trucks frequently during the inspection in all accessible areas. The licensee representative stated that liquid chemical application and routine water sprinkling have been very effective in dust control. Dike cover, rip-rap placement, sanitary waste treatment using the Dow Chemical Company Waste Treatment Plant, maintenance of a site drainage system and grouting of all wells has been completed.

5. Cooling Pond

The licensee initiated filling of an 880 acre cooling pond in April of 1978 and terminated filling in May of 1978. The pond is currently approximately two-thirds full. No definite date has been established for the completion of the pond filling.

6. Environmental Monitoring Program

Water quality of the Tittabawassee River continues to be analyzed. Results reviewed by the inspector did not indicate unusual trends of anomalous results. The inspector reviewed the "Preliminary Water Quality Survey of the Tittabawassee River, Midland, Michigan" which is a preliminary survey and evaluation of monitoring techniques for further investigation of the water quality of this river. The report included a general summary and recommendations for biological and chemical water qualities studies. The inspector also reviewed the preoperational monitoring program in Section 6.1 of the licensee's Environmental Report.

7. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on July 18-19, 1978. The inspector summarized the scope of the inspection and the findings. The inspector reviewed in detail the elements of the preoperational monitoring program necessary to demonstrate compliance with the program.