

UNITED STATES NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-329/77-02; 50-330/77-05

Docket No. 50-329, 50-330 License No. CPPR-81, 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: April 20 and 21, 1977

Inspector: Burt Ferguson
Signature

5/2/77
(Date)

Approved by: Joseph A. Pagliaro
Signature

5/2/77
(Date)

Inspection Summary

Inspection on April 20 and 21, 1977 (Report No. 50-329/77-02; 50-330/77-05)

Areas Inspected: Routine, announced inspection of preoperational environmental protection programs including licensee internal audits; procedural controls; implementation of requirements for environmental protection during construction; and environmental monitoring program planning. The inspection involved 10 onsite hours by one inspector.

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

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REPORT DETAILS

1. Persons Contacted

*Mr. T. Cook, Project Superintendent
*Mr. B. Peck, Field Supervisor
Mr. W. Stroedel, Environmental Engineer, Operating Services
Dr. J. Reynolds, Director of Environmental Services
Mr. D. Sibbald, Senior Construction Advisor
Mr. J. Church, Subcontract Administrator, Bechtel

* Denotes those present at the exit interview.

2. Licensee's Internal Audits

The inspector reviewed two licensee audits of the site meteorological monitoring program which were conducted in 1976. Seven items identified for corrective action during the earlier of these audits were determined to have been corrected. No items requiring correction were identified in the second audit.

The inspector reviewed reports of ongoing construction program review performed for the licensee by the construction contractor and informally reviewed by licensee personnel. These records indicate the operation of controls at the working level under a system of essentially continuous review. Identification and resolution of problem areas, however, is accomplished informally, and no formal documentation of these activities is prepared.

No items of noncompliance or deviations were identified in these areas.

3. Procedural Controls

The licensee specifies pertinent requirements for protection of the environment during construction in his construction contracts and subcontracts. The inspector reviewed specifications for selected program parameters including water pollution control, sealing and grouting of onsite wells, prohibition of blasting, dike leakage protection, and erosion control by establishment of ground cover. No items of noncompliance or deviations were identified.

4. Construction Environmental Program Implementation

The inspector toured the plant site for examination of compliance with environmental requirements of the Construction Permits and

with licensee commitments in his supplemental Environmental Report, as revised. Specific items examined included: erosion control by trimming of slopes, seeding, placement of rip-rap, construction of drop structures and culverts, and road improvement; dust control by road and parking lot surfacing and use of sprinkler trucks; maintenance of visual screens; handling and treatment of sanitary wastes; and water pollution prevention by establishment and maintenance of a controlled site drainage system.

The licensee is now connected to and using water supplied by the city of Midland water system. Construction is complete and testing underway for treatment of sanitary wastes by the Dow Chemical Company waste treatment plant. Sealing and grouting the final two wells or exploratory holes in the cooling lake area is scheduled for this summer.

No items of noncompliance or deviations were identified in these areas.

5. Environmental Monitoring Program Plans

The inspector discussed plans for radiological and nonradiological monitoring programs to be implemented prior to plant operation. Radiological program parameters have not been finalized. The licensee expects to complete program planning in 1977 and to implement the program about 18 months before operation of the first unit. The nonradiological program parameters have likewise not been finalized. The licensee intends to implement a one-year pilot program commencing in 1977, to provide information and experience concerning program parameter selection. The preoperational nonradiological monitoring program will commence two years prior to operation of the first unit.

6. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on April 21, 1977. The inspector summarized the purpose and scope of the inspection and the findings.