

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

REGION III

Report No. 50-329/80-24
50-330/80-25

Docket No. 50-329; 50-330

License No. CPPR-81; CPPR-82

Licensee: Consumers Power Company
1945 West Parnall Road
Jackson, Michigan 49201

Facility Name: Midland Nuclear Plant

Inspection at: Midland Site

Inspection Conducted: August 26-27, 1980

Inspector: *Carl J. Papericello*
for R. J. Greer
Radiation Specialist

9/9/80

Approved by: *Carl J. Papericello*
C. J. Papericello, Acting Chief
Environmental and Special Projects

9/9/80

Inspection Summary:

Inspection on August 26-27, 1980 (Report No. 50-329/80-24; 50-330/80-25)

Areas Inspected: Routine unannounced inspection of environmental monitoring including: management control; implementation and results of preoperational radiological and nonradiological environmental monitoring programs, and implementation of environmental protection requirements. The inspection involved 13 inspector-hours on site by one NRC inspector.
Results: No apparent items of noncompliance or deviations were identified. One significant inspection finding was made in the area of preoperational radiological monitoring (paragraph 4).

DETAILS

1. Persons Contacted

*G. Slade, Plant Superintendent
*W. Strodl, Plant Health Physicist
*B. Peck, Construction Supervisor
*D. Sibbald, Senior Construction Advisor
J. Wilson, Chemistry and Health Physics Technician
*W. Beckman, Chemistry and Health Physics Superintendent

*Denotes those present at exit interview.

2. General

The inspection consisted of an examination of the licensee's pre-operational radiological and nonradiological environmental monitoring programs, the construction phase environmental protection program, and their implementation. The licensee's Environmental Report, Operating License Stage, and construction permits were utilized as the primary inspection criteria.

3. Environmental Program Management

The inspector examined the licensee's Environmental Scope Documents, dated 1979, which define the areas of responsibility for management of the radiological and non-radiological monitoring programs. The radiological program is managed by plant personnel, while the Environmental Services Department of the corporate office manages the non-radiological programs. The contractor for the radiological program is Eberline Company; Lawler, Matusky and Skelly Engineers is the contractor for the non-radiological aquatic programs; Murray and Trettel conducted the Fog Observation program; and Michigan State University performed the Waterbirds Study.

4. Radiological Environmental Monitoring Program

The inspector reviewed the licensee's procedure CHP 8290.1, Revision 1, entitled "Radiological Environmental Monitoring Program", which describes the licensee's radiological program. No problems were identified.

In response to an observation made during a previous inspection,^{1/} the inspector examined the placement of the TLD packages. As noted previously, some TLD packages are mounted in such a manner as to partially shield the TLD's from background radiation. The licensee stated that these TLD packages will be repositioned correctly by September 30, 1980. This item will be examined in a future inspection.

^{1/} IE Report No. 50-329/79-07; 50-330/79-07

The radiological program presently conducted includes monitoring of surface and ground water, vegetation, sediment and fish, in addition to the TLD's. The placement of air sampling stations has been postponed, due to the recent slippage in the estimated fuel loading date. Results of the program were selectively reviewed from February, 1979 to July, 1980.

No apparent items of noncompliance or deviations were identified.

5. Non-radiological Environmental Monitoring Program

Programs presently being conducted include aquatic programs, fish impingement, ground water studies, fog observation studies and water-birds studies. Program results in 1979 and to July, 1980 were selectively examined.

No items of noncompliance or deviations were identified.

6. Meteorological Monitoring Program

This program is conducted by plant personnel. The licensee has completed two years of preoperational data, and is presently collecting, but not evaluating, additional data.

No apparent items of noncompliance or deviations were identified.

7. Environmental Protection

At this stage of construction, environmental protection consists mainly of dust control. The licensee uses water and chemicals as needed to minimize dust.

No apparent items of noncompliance or deviations were identified.

8. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on August 27, 1980 and summarized the purpose and scope of the inspection and its findings.

The licensee committed to repositioning the TLD packages by September 30, 1980 to assure true exposure to background radiation.