U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-329/84-22(DRP); 50-330/84-23(DRP)

Docket Nos. 50-329; 50-330 Licenses No. CPPR-81; CPPR-82

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

Facility Name: Midland Plant, Units 1 and 2

Inspection At: Midland Plant Site, Midland, MI

Inspection Conducted: August 1 - 3, 1984

Inspectors: R. B. Landsman RB Landsman 8-20-84
Date

R. N. Gardner JJ Harrison for 8/20/84
Date

Approved By: J. J. Harrison, Chief JJ Harrison 8/20/84
Section 1D, Midland Date

Inspection Summary

Inspection on August 1 through August 3, 1984 (Reports No. 50-329/84-22(DRP); 50-330/84-23(DRP))
Areas Inspected: Performed an inspection of the remedial soils work areas to determine if the work activities listed in CPCo letter dated July 26, 1984, had been properly accomplished. This inspection involved a total of 32 inspector-hours onsite by two NRC inspectors.
Results: The majority of the work necessary to leave the soils remedial work in a safe layup condition during the Midland plant construction suspension had been satisfactorily accomplished. The major remaining task is to drain the Midland plant lake which will be accomplished as soon as the State of Michigan approves this activity.

DETAILS

1. Persons Contacted

Consumers Power Company (CPCo)

*J. A. Mooney, Site Manager
*R. Wieland, Soils Supervisor
D. Sibbald, Soils Engineer

*Denotes exit meeting attendees.

2. Licensee Action on Soils Shutdown Activities

The inspectors toured the remedial soils work areas to determine if the work activities listed in CPCo letter dated July 26, 1984, had been properly accomplished. These activities were considered necessary tasks to halt the remedial soils work in progress and leave the work in a safe layup condition during the Midland plant work suspension. The inspectors verified the following:

a. All jacks were locked off and jack stand wedges were driven tight. The procedure for checking the wedges periodically had not been issued.

b. The drift in progress to CT5/8 has been filled with lean fly ash grout.

c. The finger drifts in progress to E/W3 have been filed with lean fly ash grout.

d. The pier excavation for W17 and the drift expansion for E17 have been filled with lean fly ash grout.

e. The slopes of the Y3/Z3 excavation have been stabilized with chemical grout.

f. The sides of the long drifts on the Kc line have been injected with chemical grout.

g. The sides of the E/W8, E/W5 grillage drifts, as well as the E/W5 drop pits have been injected with chemical grout.

h. All backpacking appeared satisfactory.

i. The Service Water Pump Structure (SWPS) construction temporary dewatering system has been deactivated and was in the process of being removed. The casings were not yet capped.

j. Permanent dewatering wells have not been activated to provide dewatering capability as needed during pond water level lowering.

k. CPCo personnel have assumed the responsibility for building instrumentation monitoring from Wiss, Janney, Elstner (WJE). The procedure governing monitoring requirements during shutdown had not been issued.

l. The procedure for rejacking requirements had not been issued.

m. The east and west Auxiliary Building access shaft inverts have been capped with concrete and sumps have been installed to remove water. Also, curbs have been provided around the E/W16 drop pits to prevent water infiltration. Sumps have also been installed in the E/W16 drop pits.

n. A security fence had been installed by the west access shaft and the east fence was in progress of being installed.

o. The SWPS excavation has been filled with fly ash grout.

p. Open excavations in the yard area have been temporarily filled and designated as such per Procedure C2.11.

q. The horizontal drains beneath the Control Tower have not yet been prepared for pumping capability nor has well BB2 been prepared as an observation well.

r. The cooling pond has not yet been drained because of concerns that the State of Michigan has with the lake fish population.

s. The freezewall remains operational pending the pond draining.

All items not accomplished will be reinspected to assure completion of the soils shutdown activities during a future NRC inspection.

3. Quality Control Certification

Prior to the halt of construction at the Midland facility, certification of Quality Control (QC) inspectors was accomplished in accordance with CPCo procedure B2M and documented in accordance with CPCo procedure B3M. However, as a result of the construction halt, the QC training department was dissolved along with the majority of previously trained and certified inspectors. The licensee thus has no inspectors who are in the process of becoming certified under the previous certification system.

To support ongoing remedial soils work activities such as load monitoring activities, the licensee has had to certify QC inspectors to replace those who either were laid off or who quit. These latest certifications were conducted in accordance with internal guidance and not in accordance with previously established procedures. This matter was discussed with CPCo management who indicated that QC certifications would be accomplished in accordance with written, approved procedures.

4. Building Monitoring Requirements

The licensee plans to monitor the Auxiliary Building $\Delta 1$ and $\Delta 2$ values for conformance to movement limits. They also were planning to monitor the FIVP rock bolts.

The staff requested that other instruments be monitored at three month intervals to assure pertinent data is recorded that would establish structure integrity to allow an orderly resumption of construction should this decision be made. The instruments were the DSB's and extensometers at the SWPS and the extensometers at the Auxiliary Building.

The staff also requested that the licensee complete the crack survey of the Diesel Generator Building (DGB) since there were only portions of three walls left to complete. This survey would serve as a baseline for future building acceptance should construction be resumed.

The licensee was also requested to define what program was planned to monitor the prestressing cables in the Control Tower and SWPS.

5. Exit Interview

The inspectors met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection. The licensee acknowledged the inspectors' findings and agreed to address these issues in a subsequent letter.