

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

REGION III

Report No. 50-155/80-07

Docket No. 50-155

License No. DPR-6

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

Facility Name: Big Rock Point Nuclear Plant

Inspection At: Big Rock Point Site

Inspection Conducted: June 23-27, 1980

Inspector: *R. J. Greer*
R. J. Greer

July 3, 1980

Accompanied By: C. Roytek, Coop Student

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

7/10/80

Inspection Summary

Inspection on June 23-27, 1980 (Report No. 50-155/80-07)

Areas Inspected: Routine, unannounced inspection of the licensee's environmental monitoring program and emergency planning, including an examination of the licensee's current and proposed emergency plans and implementing procedures; observation of a licensee drill and examination of drill records and an examination of the licensee's facilities and equipment, training program, and coordination with offsite support agencies. The inspection involved 34 inspector-hours on site by one NRC inspector.

Results: For the areas examined, no items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

- *C. Hartman, Plant Superintendent
- *C. Axtell, Plant Health Physicist
 - G. Fox, Chemistry and Radiation Protection (C&RP) Supervisor
 - B. Garrett, Chemistry and Radiation Protection Technician
 - T. Martens, Chemistry and Radiation Protection Technician
 - R. Doan, Training Coordinator
- *R. Abel, Technical Engineer
- *R. Bichel, General Engineering Quality Assurance
- *D. DeMoor, Technical Engineer

- W. Woods, Contracted Sample Collector

*Indicates those present at exit interview.

2. Environmental Monitoring

The inspector examined the licensee's environmental monitoring activities, environmental program results, and management controls of the Environmental Program. The licensee's Environmental Program results were examined from January 1979 to June 1980. The licensee's environmental monitoring program remains the same as described in a previous inspection report.^{1/}

The inspector examined the results of the licensee's film monitoring program, as well as the results for the licensee's voluntary environmental monitoring program. No unexplained trends were noticed in the licensee's film and TLD monitoring program. The licensee also samples milk, lake and well water, algae, fish, and periphyton. The inspector reviewed monthly reports of the results from the licensee's contractor, Eberline Instrument Company, and observed no unusual trends. The licensee's air sampling stations were also visited. All equipment examined appeared operable and was calibrated on the proper frequency.

No apparent items of noncompliance or deviations were identified.

3. Emergency Planning

The inspector examined the licensee's management controls, delegation of responsibilities and authorities, and administration of emergency planning and preparedness. The plant health physicist is responsible for the licensee's emergency planning activities and coordination. The licensee's Training Department is responsible for conducting the general retraining in the emergency plan for plant employees. Offsite support group personnel are retrained annually by a contractor, along

^{1/} IE Inspection Report No. 50-155/79-07

with a member of the Consumers Power Corporate staff. The inspector also examined the licensee's proposed Emergency Plan and Implementing Procedures submitted recently to NRR for approval.

a. Drills

The inspector determined that the licensee conducted emergency plan drills during 1979 and 1980 as required in the Emergency Plan. Documentation of the drills held in 1979 and on June 10, 1980, was examined. No major problems were noted during these drills. It was noted that, in response to items discussed in the previous inspection report,^{2/} critiques of the drill conducted in 1980 were included in the documentation of the drill and the drills were conducted on the required annual frequency. The inspector has no further questions concerning these items.

The inspector observed selected parts of an emergency exercise conducted on June 24, 1980, by plant personnel and state and local agency personnel. This exercise was also observed by the Federal Regional Advisory Committee as part of its review of the State (Michigan) plan. The inspector accompanied an environmental monitoring team dispatched from the plant. The team proceeded to the Charlevoix County Sheriff's building to pick up the emergency environmental monitoring kits stored there, and then drove to a location determined by Control Room personnel to take air samples. Members of the survey team were quite familiar with the monitoring procedure and necessary calculations. No problems were observed with the sample collection; however, a need for more extensive coordination with the Sheriff's Office with regard to access control was apparent. This problem was discussed with licensee personnel, who stated that they would contact the sheriff and resolve the problem. The inspector also noted equipment which would be useful if added to the monitoring kits. This equipment included a stop watch, a calculator, and a pocket dosimeter. The licensee acknowledged the inspector's suggestions. These items will be examined in a future inspection.

No apparent items of noncompliance or deviations were identified.

b. Facilities and Equipment

Emergency equipment contained in kits located in the machine shop, service building annex, and control room was examined. All items were noted to be present and in operable condition. Survey instrumentation contained in these kits was calibrated as required on a semiannual basis. Records of monthly inventory checks of these kits were also examined from January 1979 to the present. In response to an item noted in the previous inspection,^{3/} the portable air sampler located in the service building annex was examined and found to be present in the kit. The inspector has no further questions concerning this item.

No apparent items of noncompliance or deviations were identified.

^{2/}Ibid
^{3/}Ibid

c. Training

Extensive training in the new Emergency Plan and Procedures has been conducted during 1980 for all employees. Special training sessions in the implementing procedures were also held for chemistry and radiation protection technicians. In 1979, the annual retraining in the Emergency Plan consisted of an open book examination. During 1980, all employees received training relative to their responsibilities during an emergency. In addition, training in first aid (multi-media) and fire fighting is given to certain involved employees. Emergency Plan training during 1980 was provided by the licensee's consultant, General Physics. The inspector examined lesson plans and content and determined that the training was adequate. Employee records of training were also examined during 1979 and 1980.

No apparent items of noncompliance or deviations were identified.

d. Coordination With Offsite Agencies

Coordination with offsite support agencies was discussed with the licensee. These agencies were not visited because they participated in the drill conducted on June 24, 1980, or in the drill conducted June 10, 1980. These support agency personnel are trained by a licensee contractor and by a member of the licensee's corporate staff. Training documentation was examined for 1980. The training appeared to be adequate; coordination with the support groups appeared adequate.

The inspector identified no apparent items of noncompliance or deviations.

4. Exit Interview

The inspector met with licensee representatives denoted in Paragraph 1 at the conclusion of the inspection on June 27, 1980. The inspector summarized the purpose and scope of the inspection and its findings. The licensee stated that the Charlevoix County Sheriff's office would be contacted in response to an item noted during the drill conducted June 24. The licensee also acknowledged the inspector's comments about equipment recommended to be placed in the emergency monitoring kits located in the Charlevoix County Sheriff's office building.