

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

Report No. 50-285/79-10

License No. DPR-40

Licensee: Omaha Public Power District (OPPD)  
1623 Harney Street  
Omaha, Nebraska

Docket No. 50-285

Category C

Facility: Fort Calhoun Station, Unit No. 1 (FC)

Inspection Conducted: July 30-31, 1979

Inspector: Blaine Murray  
Blaine Murray, Radiation Specialist

8/29/79  
Date

for Blaine Murray  
R. J. Everett, Radiation Specialist

8/29/79  
Date

Approved by: Glen D. Brown  
Glen D. Brown, Chief, Fuel Facility and  
Material Safety Branch

8/30/79  
Date

Inspection Summary

Inspection on July 30-31, 1979 (Report No. 50-285/79-10)

Areas Inspected: Routine, announced inspection of the licensee's Emergency Planning Program including coordination with off-site support agencies; facilities, equipment, and procedures; test and drills; licensee audits; and emergency training. The inspector observed an emergency drill on July 31, 1979. The inspection involved 32 on-site hours by two NRC inspectors.

Results: One item of noncompliance (Infraction: failure to conduct training) was identified. See paragraph 6.

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DETAILS1. Persons ContactedOPPD

- \*R. L. Andrews, Plant Superintendent
- \*M. F. Cassada, Health Physicist
- \*F. F. Franco, Chemistry and Health Physics Supervisor
- G. Gates, Plant Operating Supervisor
- J. Gass, Training Coordinator
- R. Hyde, QA Engineer
- \*L. Kusek, Plant Technical Supervisor

\*Denotes those present during exit interview.

The inspectors also interviewed several other OPPD employees during the course of the inspection.

Off-Site Agencies

- H. E. Simmons, Nebraska Health Department
- H. J. Boccella, Iowa Office of Disaster Services
- Lt. N. C. Peterson, Nebraska Highway Patrol
- M. A. Quaife, M. D., University of Nebraska Medical Center (UNMC)
- R. Rolland, Dispatcher, Washington County Sheriff Office
- R. Medina, Nebraska Civil Defense

2. Scope of Inspection

This inspection covered a review of the licensee's Emergency Planning Program for the period July 18, 1978 through July 30, 1979.

3. Coordinator with Off-Site Agencies

The inspectors contacted the off-site support agencies identified in paragraph 1.b to determine if the licensee had established contact with these agencies during the past year. The inspector also examined records, procedures and written agreements regarding the licensee's coordination with the off-site agencies listed in Sections VII-II VII-III of the Emergency Plan. The review of records and discussions with off-site agencies verified that the existing agreements remain in effect and that the licensee had contacted the various agencies during the past year.

No items of noncompliance or deviations were identified.

4. Facilities, Equipment, and Procedures

a. Emergency Kit Inventory

The inspectors examined the inventory of supplies, equipment, and procedures maintained in the emergency kits located at the Emergency Control Center, Control Room, and Alternate Emergency Control Center to determine agreement with the inventories listed in Sections VII-AI and VII-AIX of the Emergency Plan.

No items of noncompliance or deviation were noted.

b. Facilities

The inspectors visited the Emergency Control Center, Alternate Emergency Control Center, Control Room, and First Aid Room to determine if the facilities are maintained as described in the Emergency Plan.

c. Calibration and Maintenance of Emergency Equipment

The inspectors examined the adequacy of procedures and schedules established by the licensee for calibrations, maintenance, and inspection of emergency equipment. This included a review of portable survey meters, counting instruments, and air samplers; effluent monitors; and meteorological instruments.

The problems associated with monitoring iodine and particulate radioactivity in the presence of noble gases were discussed. The licensee acknowledged that, considering their present effluent monitoring system, it would be difficult to accurately assess iodine releases due to the masking effect of interfering noble gases. The licensee stated that they are presently evaluating other available effluent monitoring systems and may install a new system based on the results of the evaluation.

The licensee also stated that they plan to acquire iodine sampling equipment for use by off-site survey teams.

The licensee's records indicated that calibrations were performed as required by established procedures.

No items of noncompliance or deviations were noted.

5. Emergency Plan and Implementing Procedures

The inspector examined the licensee's program for reviewing and approving changes made to the Emergency Plan and associated implementing procedures. It was noted that changes made to the plan and procedures since the previous inspection had been properly reviewed and approved.

Appendix III to the Emergency Plan contains the procedures for determining the magnitude of release. However, the procedure only discusses data from effluent monitor RM-052. The procedure does not include a discussion or evaluation of data available from monitors RM-060, RM-061, and RM-062. The licensee stated that information from monitors RM-060-RM-062 would be used in the evaluation of accident conditions, but that the monitors were installed after the Emergency Plan was written. As a result, reference to the new monitors was inadvertently omitted. According to a licensee representative, Appendix III will be amended to include the above mentioned monitors.

No items of noncompliance or deviations were noted.

6. Training

The inspector reviewed the licensee's training program for OPPD personnel and off-site support agencies to determine compliance with Item H, Appendix E of 10 CFR 50 and Section VII-VIII of the Emergency Plan. Section VII-VIII of the Emergency Plan states, in part; "All plant operation, technical and maintenance personnel are trained in emergency procedures and monitoring duties. . . . Annual retraining will be conducted in order to maintain personnel proficiencies."

Contrary to the above, the licensee's records indicated that retraining was not conducted at the required frequency for two Emergency Duty Officers and two Emergency Team members. The training coordinator stated that his records indicated that the above individuals were last trained prior to January 1, 1978.

Failure to conduct the required training is considered an item of non-compliance.

7. Audits

The inspector reviewed audits performed by the licensee to determine compliance with Technical Specifications 5.5.1.6.i and 5.5.2.8 and Section VII-VI-I of the Emergency Plan. The Safety Audit and Review Committee (SARC) performed an Emergency Plan audit in August, 1978. The Plant Review Committee (PRC) reviewed changes made to the plan and implementing procedures in May, 1979.

No items of noncompliance or deviations were identified.

## 8. Tests and Drills

The inspector examined the licensee's records of tests and drills conducted since the previous emergency planning inspection. The licensee's records indicated that a plant evacuation drill was conducted during June 1979. A critique was held following the drill during which several items that needed improvement were discussed.

A large scale "General Emergency" type drill was held during this inspection on July 31, 1979. The scenario for the July 31, drill was such that most aspects of the Emergency Plan were tested. It was noted that the licensee had informed the various off-site support agencies in advance of the drill and invited these agencies to participate in the drill.

Two NRC inspectors, 12 OPPD personnel, and five representatives from off-site support agencies observed the drill. The NRC inspectors observed activities at the Control Room, Emergency Control Center and assembly area.

A critique involving the drill observers was held after termination of drill activities on July 31. The inspectors determined that the emergency response was in accordance with approved plans and procedures; the response was timely; the essential aspects of the emergency plan were tested; the drill included participation by various off-site agencies; the licensee used qualified persons to observe and evaluate the drill; a critique was held shortly after the drill; observations and comments made during the critique were identified for follow-up action.

No items of noncompliance or deviations were noted.

## 9. Exit Interview

At the conclusion of the inspection on July 31, 1979, the inspection findings were discussed with the OPPD personnel denoted in paragraph 1.a. The following items were discussed:

- a. The inspectors summarized the purpose and scope of the inspection.
- b. The apparent item of noncompliance was discussed.
- c. The licensee stated that magnitude of release procedures will be expanded to include data from monitors RM-060, RM-061, and RM-062. See paragraph 4.c.

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- d. The licensee stated that portable iodine samplers will be acquired to permit sample collection and analysis by field survey teams. See paragraph 4.c.

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