

APPENDIX

U. S. NUCLEAR REGULATORY COMMISSION  
REGION IV

NRC Inspection Report: 50-285/84-22

License: DPR-40

Docket: 50-285

Licensee: Omaha Public Power District (OPPD)  
1623 Harney Street  
Omaha, Nebraska 68102

Facility Name: Fort Calhoun Station

Inspection At: Fort Calhoun Station, Fort Calhoun, Nebraska

Inspection Conducted: August 27-31, 1984

Inspector: J. L. Montgomery 9/28/84  
J. L. Montgomery, Emergency Preparedness Analyst Date

Approved: J. B. Baird 9/28/84  
J. B. Baird, Chief, Emergency Preparedness Section Date

Debra Martin 10/5/84  
L. E. Martin, Chief, Project Section A Date

Inspection Summary

Inspection Conducted August 27-31, 1984 (Report 50-285/84-22)

Areas Inspected: Routine, announced inspection of selected portions of the Fort Calhoun Station emergency response program. The inspection involved 36 inspector-hours onsite by one NRC inspector.

Results: Within the emergency response areas inspected, no violations or deviations were identified.

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DETAILS

1. Persons Contacted

OPPD

- \*W. G. Gates, Plant Manager
- M. Kallman, Supervisor, Administrative Services and Security
- C. Vanecek, Shift Supervisor
- \*F. Franco, Manager, Radiological Health and Emergency Planning
- J. Carlson, Secretary
- M. Christenson, Training Instructor
- D. Feighert, Emergency Planning Coordinator
- J. Gaas, Training Supervisor
- D. Jacobson, Training Instructor
- \*J. Morris, Manager, Logistics and Administrative Support
- \*A. Richard, Supervisor, Technical Services
- \*R. Jaworski, Section Manager, Technical Services
- \*P. Surber, Section Manager, Generating Stations Engineering
- \*M. Winter, Manager, Quality Assurance
- \*F. Thurtell, Division Manager, Quality Assurance

\*Denotes those present at the exit interview.

2. Scope of Inspection

The purpose of the inspection was to evaluate the licensee's emergency preparedness program in the areas of training and staff augmentation.

3. Entrance Interview

The entrance interview was conducted on August 27, 1984, with the plant manager.

4. Licensee Action on Previous Inspection Findings

(Closed) Open Item (285/8406-02): An X-1000 indication was observed by the NRC inspector to be on stack flow monitor FR-758 in the control room.

(Closed) Open Item (285/8406-03): The control room delta-T gauge was observed by the NRC inspector to provide a constant reading with no rapid indicator needle fluctuation.

(Closed) Open Item (285/8406-04): Dose assessment forms contained in emergency kits were current with the most recent issuance of the emergency plan implementing procedures (EPIP).

(Closed) Open Item (285/8406-05): Figure EPIP-OSC-1.1 had been enlarged by including a foldout page and enlarged copies were also posted in the control room.

(Closed) Open Item (285/8406-06): Additional training was provided for control room communicators in 1984.

(Closed) Open Item (285/8406-07): The NRC inspector examined the Nebraska State Patrolman verification list with the shift supervisor. The list was updated with current badge numbers as of April 6, 1984.

(Closed) Open Item (285/8223-04): The operational support center functions occur primarily in a portion of the technical support center (TSC) and the general employee training building, and are conducted in a manner consistent with NUREG-0696 guidance.

(Closed) Open Item (285/8223-14): Additional training and mini-drills have been provided for emergency personnel responsible for radiological dose assessment.

5. Open Items Transferred to the Facilities Radiation Protection Section

Open Item 285/8227-27 and Open Item 285/8227-52 concerning the postaccident sampling system have been transferred to the NRC Region IV facilities radiation protection section for review during future radiation protection inspections.

6. Shift Staffing and Augmentation

10 CFR Part 50.47(b)(2) requires an unambiguous definition of on-shift emergency organization responsibilities. Adequate staffing must be provided in the key emergency preparedness functional areas accompanied by timely augmentation of response capabilities.

The NRC inspector reviewed NUREG-0654, Table B-1, staffing and augmentation goals, with the manager of radiological health and emergency planning. The last Table B-1 revision was issued on August 11, 1983. According to the emergency planning coordinator, additional augmenting staff will be reporting to the TSC and Emergency Operations Facility to complement the emergency organization. The additional staff will assist with communication, clerical, and technical assistance duties primarily in the recovery phase of an accident. The licensee's emergency planning coordinator stated that EPIP amendments reflecting these changes would be issued prior to the October 1984 exercise.

The licensee had previously informed the NRC of a change in the position of recovery manager. The newly appointed recovery manager had successfully completed all required emergency preparedness training as

evidenced by the NRC inspector's review of the training verification, examination, practical factors, and procedure guide records.

The NRC inspector also reviewed the emergency plan, Section A, and determined that the emergency staff responsibilities were unambiguously defined.

No violations or deviations were identified.

7. Knowledge and Performance of Duties

10 CFR Part 50.47(b)(14) requires the licensee to conduct periodic emergency preparedness drills and exercises. 10 CFR Part 50.47(b)(15) requires that emergency response training be provided to the personnel in the emergency organization.

To determine the licensee's compliance with the above requirements, the NRC inspector reviewed training records, interviewed training instructors and emergency response personnel, and observed training being conducted for health physics, chemistry, and shift technical assistant personnel.

Training records for 1984 were reviewed for the control room communicators, shift supervisors, recovery manager, health physicists, and chemistry technicians. The records reviewed were complete and contained a verification sheet, written examination with score, practical factors checklist, and procedure guide.

The NRC inspector reviewed the licensee's 1984 emergency preparedness drill records for damage control, communications, dose assessment, and offsite surveys. Two additional drills were planned for September and October 1984 to test technical assessment and overall exercise response capabilities.

Interviews were conducted by the NRC inspector with several licensee managers, supervisors, and training instructors to determine the content and efficacy of the emergency preparedness training program.

No violations or deviations were identified.

8. Exit Interview

The exit interview was held with the licensee's manager of logistics and administrative support, the plant manager, and members of their staff on August 31, 1984. The NRC senior resident inspector also attended. The NRC inspector discussed the shift staffing, augmentation and training findings with the licensee. The NRC inspector informed the licensee that no violations, deviations, or open items were apparent.

The licensee stated that a safety analysis and review committee (SARC) audit would soon be performed on the emergency preparedness program. The licensee inquired if it would be appropriate for the newly appointed recovery manager to review the recovery manager program as part of the SARC audit in order to further acquaint him with his new position. The NRC inspector stated that this appeared to be acceptable provided that compliance was maintained with 10 CFR Part 50.54(t), which requires the licensee to conduct an annual emergency preparedness program review using reviewers who are not directly responsible for emergency preparedness program implementation.