

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

IE Inspection Report No. 50-298/80-19

License No. DPR-46
Docket No. 50-298

Licensee: Nebraska Public Power District (NPPD)

Facility: Cooper Nuclear Station (CNS)

Inspection

Conducted: December 9-10, 1980

Inspectors:

R. G. Everett
R. G. Everett, Radiation Specialist

12/29/80
Date

C. A. Hackney
C. A. Hackney, Emergency Preparedness Coordinator

12/30/80
Date

Approved by:

G. D. Brown
G. D. Brown, Chief, Fuel Facility and Material
Safety Branch

12/30/80
Date

Inspection Summary

Inspection on December 9-10, 1980 (Report No. 50-298/80-19)

Areas Inspected: Routine, announced inspection of the licensee's Emergency Planning Program including coordination with off-site support agencies; instrumentation and supplies; tests and drills; licensee's internal audit program; emergency plan and implementing procedures; emergency training; and observation of an emergency drill on December 10, 1980. The inspection involved thirty-two (32) on-site hours by two (2) NRC inspectors.

Results: No items of noncompliance or deviations were noted.

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DETAILS

I. Persons Contacted

(a) NPPD

- *L. Lessor, Station Superintendent
- *J. Sayer, Chemistry and Health Physics Supervisor
- G. Smith, QA Supervisor (Acting)
- B. McDonald, Chemist
- B. Janski, Training
- J. Kuttler, H. P. Technician
- R. Black, Shift Supervisor

*Denotes persons during NRC exit interview.

(b) Off-site Support Agencies/Persons Contacted 12-10-80

Nemaha County Hospital

- *G. Kruger, Nemaha County Hospital Administrator
- *S. Reeves, X-ray Technician
- *L. Burg, LPN
- *J. Wigton, M-4
- *E. Huntoman, Director of Nurses
- *P. Scott, Medical Doctor

*Denotes hospital staff who participated in drill.

Federal Emergency Management Agency

H. Pickering, Director Region VII

Nemaha County Sheriff 12-11-80

**G. Boan, Sheriff

Missouri Division of Health 12-11-80

**K. V. Miller, Director

**Denotes persons contacted via telephone for confirmation of number and critique of exercise.

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2. Scope of Inspection

This inspection reviewed the licensee's implementation of the Cooper Nuclear Station's Emergency Response Plan for the period of December 9, 1980 through December 10, 1980. The station annual drill was conducted on December 10, 1980.

3. Coordination with Off-site Agencies

Copies of letters of agreement between off-site support agencies and the licensee were reviewed. One inspector accompanied the simulated injured and contaminated patient to the Nemaha County Hospital. The inspector observed the patient being received, undressed, and x-rayed. After completion of the drill there was a meeting with the staff to critique the exercise.

There were members of the RAC committee present to act as observers for the exercise. Mr. Pickering (page 2, 1(b)) was the spokesperson for the Committee. During the exercise one inspector discussed the drill with Mr. Pickering and it appeared that the licensee was not actively informing the RAC people as well as the State personnel.

Sheriff G. Boan (page 2, 1(b)) was contacted by telephone to find out how he felt about the exercise and also to verify that the number listed in the plan for his office was valid. Sheriff Boan was pleased with the exercise and his only concern was manpower for roadblocks and county protection. He felt that his problem would be only for the immediate evacuation period because he would get back up from the State Police.

Mr. K. V. Miller, Director Missouri Division of Health, was contacted by telephone to determine their role in the exercise and to verify that the number listed in the emergency plan was correct. Mr. Miller stated that his office was contacted and that they were aware of the exercise in advance. The State of Missouri is presently rewriting their plan to reflect the NUREG 0654 format but he was uncertain as to its exact status at the time of our discussion. The number for his office was correct.

No items of noncompliance or deviations were identified.

4. Facilities and Equipment

(a) Facilities

The primary assembly point, first alternate assembly point, on-site medical facility, and personnel decontamination areas were visited by the inspectors to determine if the facilities were being maintained

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as described in the licensee's Emergency Plan and implementing procedures.

No items of noncompliance or deviations were identified.

(b) Emergency Kits

The inspectors examined the contents of the emergency kits maintained at the primary assembly point, first alternate assembly point, maintenance area, control room and ambulance to determine if the kits were being maintained as described in Attachment N and Attachment J of Emergency Procedure No. 5.7, Revision 6. Some items from the re-entry and personnel rescue kit were identified as missing, however, they were replaced the day of notification.

No items of noncompliance or deviations were identified.

(c) Calibration and Maintenance of Emergency Equipment

The inspectors reviewed the appropriate records related to calibration, maintenance and checking of emergency instrumentation and equipment described in the Emergency Plan and implementing procedures. Records reviewed covered portable radiation survey meters, radioactivity counting instruments, personal self reading dosimeters, TLD's, air samplers, and recovery equipment.

This review indicated that the licensee had performed maintenance and calibrations as required by CNS procedures.

No items of noncompliance or deviations were identified.

5. Training

The inspectors discussed training with several licensee representatives and reviewed training related documentation to verify that training required by the Emergency Plan had been conducted. This examination indicated that emergency response training for CNS personnel had been conducted in accordance with the Emergency Plan.

No items of noncompliance or deviations were noted.

6. Emergency Plan and Implementing Procedures

The inspectors reviewed the status of the Emergency Plan and implementing procedures. The licensee is currently operating under a revised plan submitted to NRR on July 5, 1978, constituting Amendment 40 to the FSAR. This plan had been reviewed and approved by the licensee as required by the

Administrative Control section of the CNS Technical Specification, but formal NRC acceptance has not been received. The licensee is presently preparing a draft plan to be submitted early in 1981. It was confirmed by the station Chemistry/Health Physics Supervisor that their plan was reviewed and approved by the NRC for interim use until the new expanded plan is submitted and approved.

No items of noncompliance were identified.

7. Emergency Drills

There were no exercises of the emergency plan during the year due to a change in the Technical Specifications.

An emergency exercise was conducted during this inspection on December 10, 1980. The scenario for this exercise was a joint effort between the State of Nebraska and CNS, combining the annual CNS drill with the annual exercise with the State and local Radiological Emergency Response Plans. The States of Missouri and Kansas also tested their emergency communications during this exercise. The scenario involved an alert condition with an injured and contaminated worker. Personnel were evacuated from the site and the missing injured person was determined from the computer accountability program.

The afternoon scenario included a degradation of plant via a reactor water cleanup filter demineralizer rupture causing a gaseous release. This condition was classified as a general emergency.

Observers in the drill included NPPD personnel, two NRC inspectors, off-site agency representatives and members of the Federal Regional Advisory Council (RAC). The NRC inspectors attended the preliminary RAC critique following the off-site exercise.

No items of noncompliance or deviations were noted.

8. Audits

An inspector examined reports of QA audits of emergency planning activities conducted since the last IE emergency planning inspection in December 1979, as follows:

QAP-1900 - Emergency Plan Audit December 3&4, 1979
Station Safety On-site Review Committee (SORC) December 6, 1979

It was noted that the licensee had taken appropriate action on items identified as requiring follow-up or corrective actions.

No items of noncompliance or deviations were noted.

9. Exit Interview

At the conclusion of the inspection on December 10, 1980, the inspection was discussed with the individuals noted on page 2 1(a). There were several items which were thought necessary to discuss. During the exercise it was felt that the control room operators did not follow their written plan and check list, instead they tried to go by memory. The shift supervisor and plant chemist had a minor difficulty in arriving at an agreement on the release calculations.

An inspector summarized the purpose and scope of the inspection, and reported that no items of noncompliance or deviations had been identified within the scope of this inspection.