

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-282/82-15(DEPOS); 50-306/82-15(DEPOS)

Docket Nos. 50-282; 50-306

Licenses No. DPR-42; DPR-60

Licensee: Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55401

Facility Name: Prairie Island Nuclear Generating Plant, Units 1 and 2

Inspection At: Within the ten mile Emergency Planning Zone (EPZ) including
County Offices at Goodhue and Dakota Counties, MN and Pierce
County, WI

Inspection Conducted: August 24 and 25, 1982

Inspectors: *J. P. Patterson*
J. P. Patterson

Sept. 9, 1982

Approved By: *W. E. Axelson*
W. E. Axelson, Chief
Emergency Preparedness Section

Sept. 9, 1982

Inspection Summary

Inspection on August 24-25, 1982 (Reports No. 50-282/85-15(DEPOS);
50-306/82-15(DEPOS))

Areas Inspected: Routine announced followup inspection of Prompt Notifica-
tion/Warning System. The inspection involved eight inspector-hours onsite
by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

- *E. Watzl, Plant Manager
- *R. Stenroos, Site Emergency Planning Coordinator
- *W. Frederick, State Liaison Officer, Northern States Power Company (NSP)
- *G. Hudson, Assistant Administrator, Emergency Preparedness, NSP
 - D. Grimes, Dakota County, Minnesota, Director, Emergency Services
 - R. Thul, Dakota County, Minnesota, Undersheriff
 - J. Pesek, Dakota County, Minnesota, Captain County Sheriff's Police
 - D. Peterson, Pierce County, Wisconsin, Undersheriff
 - S. King, Pierce County, Wisconsin, Emergency Services Assistant
 - D. Grote, Goodhue County, Minnesota, Sheriff
 - H. Thompson, Goodhue County, Minnesota, Emergency Management
 - W. Kalm, Goodhue County, Minnesota, Chief Deputy
 - K. Krause, Goodhue County, Minnesota, Dispatch Sergeant
 - R. Dahl, Goodhue County, Minnesota, Jail Sergeant
 - R. Kosec, City of Red Wing, Minnesota, Fire Chief
 - D. Massett, City of Red Wing, Minnesota, Director Civil Defense

*Denotes those present at exit interview.

2. Licensee Action on Previously Identified Deficiencies Relating to the Prompt Public Notification/Warning System

- a. (Closed) 50-282/82-02-01 and 50-306/82-02-01: A QA/QC program to establish assurance of the continued reliability of the siren system has been developed. Since the initial testing, maintenance and siren repairs have been made by a local contractor. The inspector examined licensee's internal records including correspondence and specific test report data which listed equipment required, cause of siren failure, and subsequent retesting on initial non-operable sirens. These reports identified the sirens which had operational problems and the dates these problems were corrected. Any future siren malfunctions are to be acted upon within 24 hours, according to information received from the licensee.

A yearly contract for siren services will be signed with the local contractor who is currently doing the work but on a job basis up to now. Currently the sirens are still under warranty, but will expire for the electrical components by November 1, 1982. The mechanical components have a three year warranty from date of delivery.

- b. (Closed) 50-282/82-02-02 and 50-306/82-02-02: The initial inspection of the prompt public notification/warning system disclosed that distribution of emergency preparedness information to the residents of Goodhue County to be inadequate.

The results of this inspection determined that new mailings by the licensee, including an upgraded pamphlet, a road map of the Red Wing area showing evacuation routes and a newsletter from the Prairie Island Plant Manager, have been sent to the residents in the Goodhue County. The inspector confirmed this through interviews with City of Red Wing Civil Defense Officials and Goodhue County Emergency Services officials at a joint meeting held on August 24, 1980.

4. Review of Other Areas of Licensee's Prompt Public Notification System

The inspector accompanied by the licensee met with county officials in each of the three counties which comprise the ten mile EPZ around the Prairie Island Nuclear Generating Plant.

Dakota County, Minnesota

This county includes the smallest segment of the ten mile EPZ of all three counties. Four Prairie Island sirens plus six other sirens which are located in the city of Hastings or outlying parts of the county may be activated from the same encoder in the sheriff's Dispatcher's office. Three sirens, 125 decibel rating each, and one fixed siren 115 decibel rating, comprise the four sirens. Siren alarm testing is being conducted on the first Wednesday of each month. If any siren repair is needed, the County's Director of Emergency Services will initiate repair service within 24 hours from a local contractor, who has maintained and repaired the sirens since installation.

The county's capability to activate the encoder was demonstrated satisfactorily to the inspector. Radio and telephone communication for a nuclear emergency was also pointed out and functionally described to the inspector.

Goodhue County, Minnesota

This county contains 32 sirens installed by the licensee. Twelve of these are outside the City of Red Wing and are under county jurisdiction. All 32 sirens were operable. All initial test deficiencies were corrected, and those defective sirens were successfully retested prior to February 1, 1982. The inspector verified this through review of licensee's documentation in the corporate office.

The City of Red Wing is switching from weekly siren testing on Saturday to weekly testing on Wednesday as of the first Wednesday in September 1982. The county sirens were not on a monthly testing schedule; however, an agreement has been reached between county officials, the City of Red Wing and licensee representatives to test the county sirens on the second Wednesday of each month beginning in September 1982.

The county sirens have been tested once since installation, during Tornado Alert Week in April 1982. No deficiencies were identified.

Maintenance on City of Red Wing sirens is being done by city personnel. Additional help may be obtained from the licensee's contractor if required. When the yearly service contract is signed, as expected sometime in September, all maintenance and service will be from this contractor. Other communications equipment were reviewed by the inspector who found no substantive change from prior evaluations, that would diminish the County's capability to respond to a nuclear event.

Pierce County, Wisconsin

The inspector met with the Undersheriff and the principal assistant to the Civil Defense Director to update his information on Pierce County's capabilities and participation in Prairie Island's drills and exercises. All sirens in this county were also successfully retested, prior to February 1, 1982, after repairs were made by the supplier's representatives.

The Undersheriff explained the county's plan to alert residents in remote areas of the EPZ by means of mobile police cars equipped with loudspeakers. The county, including the 10 mile EPZ, has been divided into districts, each having a County Supervisor representing county government in that geographical area. For efficient response the Undersheriff requests that the licensee contact that Supervisor direct, explaining that if necessary, evacuation or alerting the public is recommended for that district of the county. The county Supervisor can then start the alert or evacuation mechanisms. The inspector will check further with the licensee's Emergency Preparedness Coordinator regarding this matter.

In summary, this county, seems well equipped and cooperative.

3. Exit Interview

The inspector met with the licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on August 25, 1982. The inspector summarized the scope and findings of the inspection.