

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-220/84-10

Docket No. 50-220

License No. DPP-63 Priority _____ Category _____

Licensee: Niagara Mohawk Power Corporation

300 Erie Boulevard West

Syracuse, New York 13202

Facility Name: Nine Mile Point Nuclear Station (NMPNS)

Inspection At: Scriba, New York

Inspection Conducted: June 11-15, 1984

Inspectors: James Hawxhurst
James Hawxhurst
Emergency Preparedness Specialist

July 31, 1984
date

Ira Cohen
Ira Cohen
Emergency Preparedness Specialist

July 31, 1984
date

Approved by: H.W. Crocker for
H.W. Crocker, Chief
Emergency Preparedness Specialist

July 31, 84
date

Inspection Summary: Inspection on June 11-15, 1984 (Report No. 50-220/84-10)

Areas Inspected: Routine, unannounced inspection of emergency preparedness including Knowledge and Performance of Duties, Protective Action Decision-making, Dose Calculation and Assessment, Post Accident Measurements and Instrumentation, Public Information, Licensee Audits and a review of open items from a previous inspection. The inspection involved 60 hours onsite by two NRC region-based inspectors.

Results: One apparent violation was identified; failure to conform to environmental surveillance requirements for maintaining meteorological monitoring equipment. In addition, six items of concern were identified that should be considered in order to assure a high level of emergency preparedness and two improvement items from a previous inspection were closed.

DETAILS1. Individuals Contacted

J.C. Aldrich, Operations Supervisor
 R. Caiazza, Meteorologist
 J.S. Connor, I&C Technician
 J. Duell, Radiation Protection Supervisor
 *H.J. Flanagan, Environmental Protection Coordinator
 *M. Hedrick, Training Supervisor
 *E.W. Leach, Chemical Radiation Management Superintendent
 R. Lenenberger, Chemical Technician
 J. Pavel, Assistant Training Superintendent
 *T.J. Perkins, General Superintendent Nuclear
 *T.W. Roman, Station Superintendent
 *B. Taylor, Site I&C Supervisor
 *P. Volza, Emergency Coordinator
 C. Ware, Chemical Technician

*Denotes attendance at the exit interview.

2. Licensee Action on Previous Inspection Findings

Closed (83-04-01) Complete installation of two additional sirens in vicinity of Oswego and south of Minetto as part of the system Enhancement Program.

The inspector held discussions with licensee personnel and noted that two additional sirens had been installed.

Closed (83-04-02) Include a map within the Emergency Plan showing locations of all sirens after installation of the two additional sirens.

The inspector noted that a siren location map had been included within the Emergency Plan.

3. Areas Inspecteda) Protective Action Decisionmaking

The inspector held discussions with licensee personnel, reviewed EPMP-8 "Maintenance, Testing, Operation of the Oswego County Prompt Notification System" and updates of the tonal radio distribution, reviewed operational tests of the siren system and inspected a sample of siren locations and determined that offsite officials have the capability to make prompt activation of the public alerting system.

Based upon the above review no violations were identified.

b) Knowledge and Performance of Duties

The inspector held discussions with licensee training personnel; reviewed lesson plans and attendance records of personnel shown as qualified for staffing emergency positions (EPMP-3, Attachment 2) and determined that a training program had been established and maintained.

Based upon the above review no violations were identified.

c) Dose Calculation and Assessment

The inspector reviewed emergency procedures used for onsite and offsite dose assessment, conducted walk-through exercises with two chemistry technicians and noted that they were able to calculate radiological doses offsite. The inspector identified the need for several changes, to avoid unnecessary interpolation and time consuming manual calculations (See Appendix B item 84-10-02).

The inspectors found that there was no procedure to identify potential lake breeze circulations for consideration in protective action decision making (See Appendix B item 84-10-03).

Based on the above review no violations were identified.

d) Post Accident Measurements and Instrumentation

Discussions were held with the licensee's Instrument and Calibration (I&C) personnel on the meteorological system, maintenance and calibration procedures. The inspector noted that calibration procedures for the meteorological instrumentation were being revised (See Appendix B, item 84-10-04). The inspector noted that maintenance personnel had no written checklist for daily surveillance of instrument operability, analogue records were not synchronized with the digital computerized logging system and in general entries in the maintenance log weren't signed and contained superfluous information (See Appendix B, item 84-10-05).

The inspectors reviewed past calibration reports and noted that the licensee had exceeded the environmental technical specifications relating to the atmospheric differential temperature measurement during the last two semi-annual calibrations. The inspector discussed LER 83-31 (11/29/83), "Nonroutine Environmental Operating Report" on the instrument (5/14/84) and two related occurrence reports with licensee personnel. The inspector noted that the problem with the differential temperature instrument had not been resolved and concluded that the accuracy of the measurements do not meet technical specification requirements (See Appendix A, violation). This area will be reviewed during a future inspection.

Based on the above findings, one violation was identified.

e) Public Information Program

The inspectors held discussions with licensee personnel, reviewed publications disseminated to the public, verified the date and quantity of brochures distributed in the plume exposure pathway and concluded that the appropriate emergency planning information is being distributed on an annual basis.

Based on the above review, no violations were identified.

f) Licensee Audits

The inspector reviewed audits of the emergency preparedness program conducted by the Safety Review and Audit Board during 1982, 1983, records of the exercise/drill deficiency sheets, records of emergency preparedness training drills and determined that the licensee had a program for identifying deficiencies and had provisions for initiating appropriate corrective actions. However, the inspector noted that the licensee's internal audit did not include a review of the training program (See Appendix B, item 84-10-01).

Based upon the above review no violations were identified.

g) Review of the Emergency Response Plan

The inspector reviewed the Emergency Response Plan against the criteria and standards in NUREG-0654, held discussions with licensee personnel and noted the following areas that require coverage within the Emergency Response Plan (See Appendix B, Item 84-10-06).

1. C.1.b.*

The plan does not identify approximate arrival times of Federal agencies (NRC and DOE) should they be requested during an emergency.

2. Emergency Classification System

- a. Unusual Event, Initiating Condition 15 (other plant conditions).

Consider adding "Shift Supervisor's opinion that "to the beginning of the EAL.

- b. Alert, Initiating Condition 10 (Loss of any function needed for plant cold shutdown).

"Loss of capability to maintain cold shutdown" should be revised to state "loss of capability to initiate cold shutdown".

- c. Alert, Initiating Condition 12 (Fuel damage accident). Reference should be made to ARMS High Range No. 17.
- d. Alert, Initiating Condition 19 (Other plant conditions). Consider adding "Shift Supervisor's opinion that" to the beginning of the EAL.
- e. Site Area Emergency, Initiating Condition 8 (complete loss of any function needed for plant hot shutdown).

Consider the minimum number of components that must be available to achieve hot shutdown and the methods available to do so.

- f. Site Area Emergency, Initiating Condition 17 (Other plant conditions).

Consider adding "Shift Supervisor's opinion that" to the beginning of the EAL.

- g. Site Area Emergency, Initiating Condition 18 (Evacuation of Control Room).

Consider that this condition is occurring in the opinion of the Shift Supervisor.

- h. General Emergency, Initiating Condition 1 (Radioactive Effluents).

Provide a statement that dose rates are projected based on plant parameters or are measured in the environs.

- i. Site Area Emergency, Initiating Condition 2.

Consider inclusion of this initiating condition within the Emergency Classification System.

3. J.10.m*

Provide cross reference to implementing procedure which discusses protection factors afforded in residential units or other shelter.

*Refers to NUREG-0654 planning standards.

4. Exit Meeting

On June 15, 1984, the inspectors met with the individuals listed in paragraph 1 and summarized the scope and findings of the inspection. At no time during this inspection was written material provided to the licensee by the inspector.