

U.S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report No. 50-410/84-10

Docket No. 50-410

License No. CPPR-112

Licensee: Niagara Mohawk Power Corporation  
300 Erie Boulevard West  
Syracuse, New York 13202

Facility Name: Nine Mile Point, Unit 2

Inspection At: Scriba, New York

Inspection Conducted: May 22-24, 1984

Type of Inspection: Initial Preoperational Security Program Review

Inspectors: Roland J. Bailey, Physical Security Inspector

6/14/84  
date

Jack M. Dunlap, Physical Security Inspector

6/14/84  
date

[Signature]  
[Signature], Chief,  
[Signature] Section

7/12/84  
date

Initial Preoperational Security Program Review on  
Docket No. 50-410/84-10)

Operational inspection to evaluate progress on the Physical Security Plan and Implementing Procedures; (Management, Personnel and Response); Security Program (Access Control, Testing and Maintenance; Locks, Keys, and Combinations; Physical Barriers (Protected Area, Vital Areas); Security System Power Supply; Lighting; Assessment Aids; Access Control (Personnel, Packages, and Vehicles); Detection Aids (Protected Area and Vital Areas); Alarm Stations; Communications; Training and Qualification Plan; Security Contingency Plan and Independent Inspection Effort. The security program review involved 30 inspector hours onsite by two NRC region-based inspectors.

Results: Implementation of the licensee's security program is progressing as scheduled.

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## DETAILS

### 1. Persons Contacted

Robert Orr, Supervisor, Nuclear Security  
Joseph Beratta, Assistant Supervisor, Nuclear Security

All were present at the exit interview.

The inspectors also interviewed other licensee personnel, members of the proprietary guard force and members of the Stone and Webster construction site guard force.

### 2. 30703 - Exit Interview

The inspectors met with the licensee representatives (listed in paragraph 1) at the conclusion of the review on May 24, 1984. At that time, the purpose and scope of the inspection and the progress of security related matters were discussed. At no time during this inspection was written material provided to the licensee by the inspectors.

### 3. 81114 - Site Orientation

A site orientation tour was performed to familiarize the inspectors with the site, observe the progress of construction on security related equipment, and identify areas requiring further evaluation.

### 4. 81118 - Physical Security Plan and Implementing Procedures

The licensee's physical security plan has not been approved. Written security procedures had not been formulated as of this inspection. Inspector Follow-up Item 50-410/84-10-01.

### 5. 81122 - Security Organization (Management)

The licensee had not selected additional shift supervision to manage the expanded proprietary guard force when the contractor turns Unit 2 over to the licensee. The construction program is currently being monitored by the Supervisor, Nuclear Security, his assistant, and a contractor guard force. Inspector Follow-up Item 50-410/84-10-02.

### 6. 81126 - Security Organization (Personnel)

The licensee anticipates expanding the existing proprietary guard force, to provide security for both Units 1 and 2 within a common protected area barrier. Inspector Follow-up Item 50-410/84-10-03.

### 7. 81130 - Security Organization (Response)

The licensee stated that key members of appropriate local law enforcement agencies will be invited, on an annual basis, for onsite orientation. A

special orientation will be conducted to familiarize law enforcement authorities with the Unit 2 facilities. Inspector Follow-up Item 50-410/84-10-04.

8. 81134 - Security Program Audit

The licensee was advised that as the security program develops, a security program audit should be conducted prior to fuel load to ensure that all actions have been taken as outlined in the approved physical security plan. Inspector Follow-up Item 50-410/84-10-05.

9. 81138 - Records and Reports

The licensee was advised to ensure that all records and reports are modified to include the additional security facilities and equipment utilized by Unit 2. Inspector Follow-up Item 50-410/84-10-06.

10. 81142 - Testing and Maintenance

The licensee stated that administrative and security procedures will be modified to ensure sufficient onsite maintenance support for the security system. Inspector Follow-up Item 50-410/84-10-07.

11. 81146 - Locks, Keys, and Combinations

The licensee stated that they will use six-pin-tumbler padlocks and key cores or their equivalent. In addition, the licensee will address the concerns expressed in NRC IE Circular 77-04, Inadequate Lock Assemblies, dated March 18, 1977. Inspector Follow-up Item 50-410/84-10-08.

In addition, the licensee said they will study various methods of ensuring that operating personnel have expeditious access to vital areas during emergency situations. Inspector Follow-up Item 50-410/84-09.

12. 81152 - Physical Barriers (Protected Area)

The licensee was advised to conduct a water drain and tunnel survey of the site to determine if there are any openings which would afford unimpeded entry from the owner controlled area into the protected area or from the protected area into vital areas. Inspector Follow-up Item 50-410/84-10-10.

13. 81154 - Physical Barriers (Vital Areas)

The licensee was advised to conduct an analysis of all vital areas to ensure that all barriers provide adequate protection and to review floors, walls, ceiling, doors, and pipe penetrations, to ensure that there are no openings that would afford unimpeded or undetected access to vital equipment. Inspector Follow-up Item 50-410/84-10-11.

14. 81158 - Security System Power Supply

The licensee was advised to conduct a full-load-test of all security systems and site lighting supported by emergency generators and emergency battery back-up power. Inspector Follow-up Item 50-410/84-10-12.

15. 81162 - Lighting

The lighting system had not been completed at the time of this inspection. Inspector Follow-up Item 50-410/84-10-13.

16. 81166 - Assessment Aids

The low light level closed-circuit-television system (LLL/CCTV) had not been completed at the time of this inspection. Inspector Follow-up Item 50-410/84-10-14.

17. 81170 - Access Control (Personnel)

The licensee had not formulated the access control and badging system at the time of this inspection. The licensee was advised to inform all contractors to challenge personal background information submitted by their employees who request unescorted access to protected and vital areas. Inspector Follow-up Item 50-410/84-10-15.

18. 81172 - Access Control (Packages)

The licensee had not formulated the procedures for package control into the protected area at the time of this inspection. Inspector Follow-up Item 50-410/84-10-16.

19. 81174 - Access Control (Vehicles)

The licensee was advised to review the concerns expressed in NRC IE Information Notice 84-07, Design Basis Threat and Review of Vehicular Access Controls. This notice focuses attention on the potential use of "truck bombs" against Nuclear Power Generating Facilities. Inspector Follow-up Item 50-410/84-10-17.

20. 81178 - Detection Aids (Protected Area)

The licensee had not completed installation of the protected area perimeter detection aids at the time of this inspection. Inspector Follow-up Item 50-410/84-10-18.

21. 81180 - Detection Aids (Vital Areas)

The licensee had not completed installation of the door alarm switches, card readers, and security circuit boxes at the time of this inspection. Inspector Follow-up Item 50-410/84-10-19.

22. 81184 - Alarm Stations

The licensee stated that the Nine Mile Units 1 and 2 security system will be controlled from a new central alarm station that is currently under construction. Inspector Follow-up Item 50-410/84-10-20.

23. 81188 - Communications

The communications system had not been completed at the time of this inspection. The licensee was advised to develop the appropriate written security procedures to cover those portions of the station where shielding prevents the use of hand-held portable radio transceivers and to cover the use of the station paging system by security personnel whenever radio transceivers cannot be used near sensitive equipment. Reference NRC IE Information Notice No. 83-83 dated December 19, 1983. Inspector Follow-up Item 50-410/84-10-21.

24. 81501/2 - Training and Qualification Plan

The licensee stated that the existing training staff is sufficient to train the additional personnel needed for Unit 2 when it becomes operational. The licensee was advised to ensure that guards and watchpersons assigned to the construction site are well briefed on bomb search techniques, especially during the construction phase of Unit 2. Inspector Follow-up Item 50-410/84-10-22.

25. 81601 - Security Contingency Plan

The licensee was advised of the following:

- a. Ensure that a drill of the Security Contingency Plan is conducted prior to the issuance of an operating license. NRC region-based inspectors will also observe this drill. Inspector Follow-up Item 50-410/84-10-23.
- b. Ensure there are written procedures that outline the duties and responsibilities of operating personnel, maintenance and security personnel relative to their response to unusual security related events. Develop a strategy for management response to all unusual security related events. Inspector Follow-up Item 50-410/84-10-24.

26. 92706 - Independent Inspection Effort

Attachment 1 contains an index of the NRC security related bulletins, circulars and information notices that have been forwarded to licensees for their information and action as deemed necessary. The licensee's actions with respect to the information contained in these documents will be addressed during future preoperational security program reviews. Inspector Follow-up item 50-410/84-10-25.

Attachment 1  
Paragraph 26 - 92706  
Independent Inspection Effort

<u>Item</u>	<u>Title</u>	<u>Date</u>
<u>1977 Notices</u>		
IE Circular 77-04,	Inadequate Lock Assemblies	March 18, 1977
IE Bulletin 77-08	Assurance of Safety & Safeguards During an Emergency - Locking Systems	December 28, 1977
<u>1978 Notices</u>		
IE Circular 78-17	Inadequate Guard Training/Qualification and Falsified Training Records	October 13, 1978
<u>1979 Notices</u>		
IE Circular 79-03	Inadequate Guard Training/Qualification and Falsified Training Records	February 23, 1979
IE Bulletin 79-16	Vital Area Access Controls	July 30, 1979
<u>1980 Notices</u>		
IE Circular 80-09	Problems with Plant Internal Communications Systems	March 28, 1980
IE Information Notice No. 80-18	Possible Weapons Smuggling Pouch	May 5, 1980
<u>1982 Notices</u>		
IE Information Notice No. 82-05	Increasing Frequency of Drug-Related Incidents	March 10, 1982
IE Information Notice No. 82-07	Inadequate Security Screening Programs	March 16, 1982
IE Information Notice No. 82-46	Defective and Obsolete Combination Padlocks	November 26, 1982

1983 Notices

IE Information Notice No. 83-15	Falsified Pre-Employment Screening Records	March 23, 1983
IE Information Notice No. 83-27	Operational Response to Events Concerning Deliberate Acts Directed Against Plant Equipment	May 4, 1983
IE Information Notice No. 83-36	Impact of Security Practices on Safe Operations	June 9, 1983
IE Information Notice No. 83-68	Respirator User Warning: Defective Self Contained Breathing Apparatus Air Cylinders	October 11, 1983
IE Information Notice No. 83-83	Use of Portable Radio Trans- mitters Inside Nuclear Power Plants	December 19, 1983

1984 Notices

IE Information Notice No. 84-07	Design Basis Threat and Review of Vehicular Access Controls	February 3, 1984
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