

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

Region I

Report No. 50-410/78-07

Docket No. 50-410

License No. CPPR-112 Priority -- Category A

Licensee: Niagara Mohawk Power Corporation

300 Erie Boulevard, West

Syracuse, New York 13202

Facility Name: Nine Mile Point Nuclear Station, Unit 2

Inspection at: Scriba, New York and Syracuse, New York

Inspection conducted: September 26-28, 1978

Inspectors: L. Narrow

L. Narrow, Reactor Inspector

10/6/78
date signed

W. H. Bateman

W. H. Bateman, Reactor Inspector

10/6/78
date signed

Approved by: R. W. McGaughy

R. W. McGaughy, Chief, Construction
Projects Section, RC & ES Branch

October 12, 1978
date signed

Inspection Summary:

Inspection on September 26-28, 1978 (Report No. 50-410/78-07)

Areas Inspected: Routine, unannounced inspection by a regional based inspector of preventive maintenance program during shutdown of construction; the QC program for "risk release" of equipment; vendor documentation for safety related equipment; and the status of outstanding items. The inspection involved 46 inspector-hours on site and at the licensee's office by two NRC inspectors.

Results: No items of noncompliance were identified.

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DETAILS1. Persons Contacted

- *R. J. Aldrich, QA Engineer
- *J. J. Bebko, Project QA Engineer
- *W. M. Bryant, Manager, Quality Assurance
- *R. A. Dowd, Supervisor, Quality Assurance
- *C. D. Terry, Senior Site QA Representative
- K. D. Ward, QA Engineer

Stone and Webster Engineering

- T. Bowden, Field QC, Structural
- B. W. Gatlin, Superintendent Field QC
- L. Martiniano, Senior Field Engineer
- K. Schinners, QC Data Control Supervisor

The inspector also interviewed other licensee and contractor employees during the inspection.

*denotes those present at the exit interview.

2. Plant Tour

The inspectors made a tour of the site to observe work activities in progress, completed work and the status of construction. The inspector examined work items for any obvious defects or noncompliances with regulatory requirements and observed QC activities and evidence of quality control of the work. Specific activities observed by the inspector included fit-up and welding of containment liner, placing reinforcing steel for the Control Building and Auxiliary Building, and replacement activities for the screen well base mat.

No items of noncompliance were identified.

3. Equipment Maintenance

The inspector examined a sampling of equipment preventive maintenance records for July and August, 1978, during shutdown of construction. Preventive maintenance had been performed except that rotation of certain pumps could not be performed as scheduled due to unavailability of the necessary craft personnel. Unsatisfactory inspection reports have been written for this equipment and Nonconformance and Disposition (N & D) Report No. 0670 has been issued.

The inspector had no further questions concerning this matter.



4. Risk Release of Equipment

The inspector examined the documents listed below for control of release of nonconforming equipment and material (risk release) to construction.

- Quality Assurance Program, Rev. 6.
- Quality Standard QS 15.2, Rev. A, Change Notice No. 4, "Risk Release."
- QC Instruction FN2-S15.3-010, dated September 2, 1977, "Risk Release of Nonconforming/ Unsat. Equipment and Material."

The inspector reviewed approximately 50% of the "risk releases" which had been issued. The releases had been documented and approved in accordance with the procedures identified above.

No items of noncompliance were identified.

5. Vendor Documentations

The inspector examined the documentation package for the below listed components to verify that Nuclear Steam System Supplier (NSSS) purchase material documentation is in compliance with NSSS purchase specification requirements and Paragraphs D.3.8 and D.4.4.5 of Appendix D of the PSAR.

- (1) 2RCS-MOV-10A & B-Recirculation Valves
- (2) 2RHS-P-1A-Residual Heat Removal Pump

Site personnel whose purpose it is to examine documentation for completeness were interviewed. The site quality assurance procedures were reviewed to ensure that a program was available to receive review, organize, store, and retrieve documentation.

No items of noncompliance were identified.

6. Spacing of Reinforcing Steel

During the plant tour (Paragraph 2, above) the inspector noted that spacing of reinforcing steel for the screen well base mat, Pour No. 5-310-025P, did not, at some locations, meet the requirements of ACI 318 which is referenced in the PSAR as one of the structural codes. The required preplacement inspection of this part had



not been performed by QC. This item is unresolved pending rework of the rebar installation to provide the proper spacing and its inspection by field QC. (78-07-01)

7. Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item (78-06-01): PSAR Change Notice (CN) No. 409 for revision of the requirements for tests of reinforcing steel for unacceptable inclusions has been approved.

8. Review of Nonroutine Events Reported by the Licensee

By letter dated October 5, 1977, the licensee had reported the existence of the potential for rock stress at the site and that this might affect the wall of an electrical tunnel. A study and analysis of this problem has been completed and a summary of the results has been submitted to the Office of Nuclear Reactor Regulation. The licensee will also address this problem in the Final Safety Analysis Report.

This item is resolved.

9. Licensee Action on IE Bulletins and Circulars

The inspector examined records and interviewed licensee representatives to verify that corrective action had been taken with respect to IE Bulletins and Circulars. For each of the Bulletins shown below the inspector verified that the identified equipment had been added to the Excluded Equipment list of the appropriate specification. In addition, licensee's Audit No. 15 of GE has confirmed that GE is taking the necessary actions for control of Bulletin and Circular information, and licensee's Audit No. 27 had resulted in S&W Generic Change Notice (GCN) No. 0024 for incorporation of current Excluded Equipment Lists in equipment specifications for safety related equipment.

Bulletin 74-12 Closed. Westinghouse Type SG Relays

Bulletin 78-05 Closed. GE Auxiliary Contact Mechanisms (CR 105X-CB)

Bulletin 78-06 Closed.. Cutler Hammer Type M Relays

The inspector also verified that S&W Engineering had reviewed the circulars listed below and established design requirements in accordance with the information and recommendations contained there in.



Circular 77-03 Closed. Fire in ITE Motor Control Center

Circular 77-15 Closed. Degradation of Fuel Oil Flow to Emergency Diesel Generator.

Circular 78-04 Closed. Installation Error That Could Prevent Closing of Fire Doors.

10. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, or items of noncompliance. An unresolved item disclosed during the inspection is discussed in Paragraph 6.

11. Exit Interview

At the conclusion of the inspection on September 28, 1978, a meeting was held with representatives of the licensee. The inspectors summarized the results of the inspection as described in this report.

