

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-410/84-07

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 Station, Unit 2

Inspection At: Scriba, New York

Inspection Conducted: May 14-18, 1984

Inspectors: Lewis Narrow
L. Narrow, Lead Reactor Engineer

6-5-84
date

Approved by: J. P. Durr
J. P. Durr, Chief, Materials and Processes
Section, EPB, DETP

6/7/84
date

Inspection Summary: Inspection on May 14-18, 1984 (Report No. 50-410/84-07)

Areas Inspected: Routine unannounced inspection by one region based inspector of the programs for installation and inspection of pipe supports. Selected small and large bore pipe supports which had been inspected and accepted by QC were examined. Qualifications of personnel preparing Control Drawings and QC personnel were reviewed. The inspection involved 31 hours of direct inspection time on site.

Results: No violations were identified.

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DETAILS

1.0 Persons Contacted

1.1 Niagara Mohawk Corporation (NMPC)

- *W. Baker, Lead Construction Engineer
- *C. D. Beckham, QA Manager
- *C. H. Milliam, Lead NC & V Engineer
- *B. R. Morrison, Quality Engineering Manager
- E. Parr, QA Engineer
- *C. D. Terry, Project Engineering Manager
- *I. Weakley, Construction Liaison

1.2 Stone and Webster Engineering Corporation (SWEC)

- T. T. Arrington, Superintendent of FQC
- R. Bolick, Senior Inspector
- *J. A. Burgess, QA Supervisor
- *S. W. Crowe, Assistant Superintendent, FQC
- *J. A. Gallagher, Licensing Engineer
- D. Gibson, Senior FQC Engineer
- R. S. Hyslop, Jr., On-Site Licensing-Eng.
- *G. Reeves, ASME Coordinator
- *A. H. Rovetti, Supervising Engineer
- *C. L. Terry, Project QA Manager

1.3 ITT Grinnell Industrial Piping, Incorporated (ITT)

- D. R. Giguere, QC Manager
- *J. D. May, QA Manager
- E. O'Hara, Senior Hanger Engineer
- J. Padgett, QC Supervisor
- R. Tidd, Supervisor, Final Inspection
- F. Zinkevich, Director of QA

*denotes persons present at the exit meeting

2.0 Facility Tour

The inspector observed activities in progress, completed work and the status of the work during a tour of several areas of the plant. Work items were examined for obvious defects or noncompliance with NRC requirements. Particular note was taken of indications of QC activities. Control and protection of materials and equipment was observed as well as general housekeeping conditions.

No violations were identified.

3.0 Small Bore Pipe Supports

Installation and inspection of these supports have been the responsibility of Stone and Webster Engineering Corporation (SWEC) since late in 1983. Working drawings, identified as Control Drawings, are prepared by an ASME Control Group established for this purpose by SWEC. They are a combined pipe support detail and traveler; and provide installation details, a Bill of Materials and a Weld Data Sheet. They are prepared in accordance with Construction Method, Procedure NM-CMP 8.2, "Field Fabrication, Installation and Documentation of ASME III Piping Systems". The inspector discussed preparation and review of the control drawings with representatives of the ASME Control Group and the FQC ASME Control Group. In addition to review of control drawings, the FQC ASME Control Group performs in-process inspections, as-built walk down inspections, and a documentation review of completed supports. Qualification records of selected personnel in the ASME Control Group were reviewed. The supports listed below were inspected for conformance to the applicable specifications and control drawings. Inspection reports listed were reviewed.

<u>Support</u>	<u>Type</u>	<u>Inspection Report</u>
2 SWP-46-PSR-08-C-3	Restraint	P4070486
2 SWP-46-PSR-09-C-3	Restraint	P4070487
2 SWP-536-PSR-04-C-3	Restraint	P4070510
2 SWP-80-PSR-02-C-3	Restraint	P4070638
2 SWP-46-PSR-19-C-3	Stanchion	P4070472

No violations were identified.

4.0 Large Pipe Supports

Installation and inspection of large pipe supports are the responsibility of ITT-Grinnell Industrial Piping Incorporated (ITT).

4.1 Installed Supports

The supports listed below were inspected for conformance to applicable SWEC drawings and specifications. These supports had previously been inspected and accepted by ITT QC. In order to avoid damage to snubbers, they have not been installed but have been replaced by spacers which maintain the overall alignment and location of the support. In addition, grouting under baseplates is not within the ITT scope of work. Pipe supports may be, and in some cases, have been accepted prior to completion of grouting in accordance with E&DCR C02091. All supports inspected had been accepted by ITT since December 1983.

<u>Drawing No. (BZ)</u>	<u>*Hanger No.</u>	<u>**System</u>	<u>Date Accepted (ITT)</u>
011AM-1	SP038A3	SVV	12/02/83
011CP-1	ST108A3	SVV	03/26/84
071NL-1	ST396A2	RHS	04/30/84
071RX-1	ST487A2	RHS	03/10/84
011BG-3	SH067A3	SVV	02/11/84
019GN-4	A872A3	SWP	03/19/84
581G-405-3	A804B3	SWR	01/12/84
581G-406-2	A805B3	HVK	01/17/84
011NN-2	R291A3	SVV	04/02/84
108HW-1	R588A3	SWP	03/09/84

*Type of Support: SP-Snubber
 ST-Strut
 SH-Spring Hanger
 A-Anchor
 R-Restraint

**Systems: SVV-Main Steam Safety & Relief
 RHS-Residual Heat Removal
 SWP-Service Water
 HVK-Control Building Chilled Water

No violations were identified.

4.2 Quality Control

The inspector reviewed ITT procedures shown below and discussed the ITT QC program and organization as well as inspection methods and details with QC personnel.

- FQC-4.1-3-9, "Instructions for In-Process Examiners". This procedure provides instructions for QC examination prior to sign-off on weld process planner "Hold Points"
- FQC-4.2-14-9, "Inspection of Installed Pipe Supports". This procedure provides instructions and a checklist for inspection of pipe supports.

The inspector also reviewed the qualifications and training of selected inspectors, several of whom had been hired recently. They had been qualified as Level II mechanical inspector or examiner/pipe supports in accordance with ITT requirements based on ANSI N45.2.6 and as Level II for visual examination of welds in accordance with SNT-TC-1A. Records of training were available, complete and adequate.

No violations were identified.

5.0 Exit Meeting

The inspector met with licensee and architect-engineer/constructor representatives (see paragraph 1) at the end of the inspection on May 18, 1984. In addition, Mr. R. A. Gramm, the NRC Resident Inspector was present. The inspector summarized the purpose and scope of the inspection and identified the inspection findings. At no time during this inspection was written material provided to the licensee by the inspectors.