U. S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 83-07

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, Unit 2

Inspection At: Scriba, New York

Inspection Conducted: June 13-17 and July 13-August 5, 1983

Inspectors: R A Gramm 8/10/83
R. A. Gramm, Resident Inspector date

date

date

Approved by: Robert M Gallo 8/16/83
R. M. Gallo, Chief, Reactor Projects Section 1C date

Inspection Summary:

Inspection on June 13-17 and July 13-August 5, 1983 (Report No. 50-410/83-07)
Areas Inspected: Routine inspection by the resident inspector of work activities, procedures and records relative to pipe support installation; safety-related piping; structural steel installation; weld rod material control; and electrical cable and equipment installations. The inspector also reviewed licensee action on previously identified items and performed plant inspection tours. The inspection involved 117 inspector hours including 2 off-shift hours by the resident inspector.

Results: No violations were identified.

Region I Form 12
(Rev. February 1982)

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embed plates and violates a P301J criteria for a 1" separation between the support member and the edge of the embed plate to eliminate prying effects. After the identification of the non-conforming condition by the inspector, N&D report IG-299 was issued. As the 1" criteria was incorporated into specification P301J on August 7, 1982, and support BZ-19NM-1 was inspected on August 3, 1982, the inspector has an open concern as to how pipe supports inspected prior to August 7, 1982 can be assured to be structurally adequate as the 1" criteria was not an inspection attribute. (83-07-04)

7. Weld Rod Material Control

The inspector identified that rod storage ovens 18 and 19 at Stone & Webster rod station 3 had suffered a drop in temperature to below 100°F during a re-wiring of the rod station. Specification 7201, "Field Storage, Handling and Issuance of Welding and Brazing Materials," requires that the ovens remain at 300°F ± 50°F for mild steel electrodes and 200° ± 50°F for all other electrodes. The non-conforming oven temperature was not reported to QC nor was the rod material rebaked or segregated in accordance with specification 7201. Nonconformance and Deviation report 4954 has been issued to document the occurrence. All welds have been identified for which affected rod material was utilized and the remainder of the rod has been scrapped. This item will remain unresolved pending disposition of N&D 4954 and future inspection to assure that adequate corrective action has been instituted to preclude recurrence of this problem. (83-07-05)

8. Cable and Electrical Equipment Installation

a. The inspector reviewed the following documents for requirements pertaining to electrical cable installation:

-- FSAR

-- IEEE336

-- Specification E061A, "Electrical Installation"

-- Quality Assurance Directive QAD 10.18

-- Quality Standard QS 10.52

-- Inspection Plan N20E061A FA025

The installation of the following cables was observed to be performed in accordance with the applicable criteria:

-- Cable ticket 2CCPNYK003

-- Cable ticket 2ICSNGC025

-- Cable ticket 2ICSNGC006

The inspector has no further questions regarding cable installations.

b. The standby battery installations at elevation 261 in the control building were examined by the inspector. Stone & Webster drawing EE-27C-9 provides the battery room arrangement and the Gould battery manual provides specific installation requirements. The inspector noted that some inter-cell spaces were provided with foam spacers while others were not. He reviewed Gould prints which specify that all inter-cell spaces are to have the foam inserted. Requisition 202184 was reviewed to document that additional foam spacers are on order to complete the installation.

The Gould manual (file 1.520-217-007B) contains a precaution that batteries shipped in a wet and charged condition should not be stored for longer than six months without re-charging. As the associated battery chargers were not installed at the six month date, the inspector insured that Stone & Webster preventive maintenance had contacted the battery supplier for guidance on extending the storage limit.

The inspector examined the anchorage details for a Gould MCC walk-in enclosure (file 0001540211169C) against the as-welded condition. The required weld pattern for locations of shipping split junctions was unclear. The licensee has requested Brown-Boveri (via transmittal No. TF-2358) to revise a note allowing a 3" weld to be divided equally to either side of the shipping joint.

In regards to the installations of the batteries and enclosures, the inspector has no further questions.

c. The inspector noted several floor to ceiling cable tray supports within the Division I electrical tunnel between the Control and Reactor Building. The supports were rigidly attached at both connection points. Within FSAR Section 3.10.3A, the seismic analysis of tray support members is performed assuming rigid attachments to the structure. However, the inspector questions whether differential slab motions were considered such that these unique floor to ceiling supports would not be overstressed during a seismic event. Pending the licensee providing the requested calculations for supports:

-- CP-86 and FP-87 (tray 2TX005G)

-- CP-78 (tray 2TX006G)

-- CP-12 (tray 2TX006G)

this issue will remain unresolved. (83-07-06)