

APPENDIX A

NOTICE OF VIOLATION

Niagara Mohawk Power Corporation
Nine Mile Point, Unit 2

Docket No. 50-410
License No. CPPR-112

As a result of the inspection conducted on July 26 to August 27, 1982, and in accordance with the NRC Enforcement policy, (10 CFR 2, Appendix C) published in the Federal Register Notice (47 FR 9987) dated March 9, 1982, the following violations were identified:

- A. 10 CFR 50, Appendix B, Criterion IX states in part that measures shall be established to assure that special processes, including welding, are controlled and accomplished in accordance with specifications, criteria and other special requirements.

10 CFR 50, Appendix B, Criterion XVI states in part that conditions adverse to quality such as nonconformances and deficiencies are promptly identified and corrected.

Stone & Webster Engineering Corporation Engineering and Design Coordination Report #F40230 required plate attachment fillet welds for seismic cable tray cross braces, detail H on drawing 12177-EE-340DE, to have a 6" long center weld, both sides.

As a result of prior identification by the NRC in March 1982, Stone & Webster Engineering Corporation issued Nonconformance and Disposition report #3148, dated March 31, 1982, for the purpose of identifying, in the condition details, all the plate attachment fillet welds that had not been designed with sufficient weld deposit including a 6" center weld.

Contrary to the above, Nonconformance and Disposition report #3148 did not identify eight plate attachment fillet welds that required a 6" center weld. These eight fillet welds, detail H on drawing 12177-EE-340E, were found on August 24, 1982 to have only a 5" center weld. The subject plate attachment fillet welds were designed to support seismic cable tray cross braces between SP-159-1 and SP-159-2. Additionally, several plate attachment fillet welds, identified on Nonconformance and Disposition report #3148, had less than 6" center welds but were accepted by quality control.

This is a Severity Level IV Violation (Supplement II).

- B. 10 CFR 50, Appendix B, Criterion V states in part, "Activities affecting quality shall be prescribed by document instructions, procedures ... and shall be accomplished in accordance with these instructions, procedures or drawings."

The Nine Mile Point Nuclear Station, Unit 2, PSAR Appendix D adopts the Stone & Webster Quality Assurance Program which provides quality assurance throughout the designated phases of the project including the Concrete Testing Services Specification.

Specification 203H, Concrete Testing Services, Revision 1, states in part, under the frequency of tests section, that Soundness Tests and Los Angeles Abrasion Tests shall be performed every six months after initial tests for each gradation of coarse aggregates to be used during subsequent concrete production.

Contrary to the above, Soundness Tests and Los Angeles Abrasion Tests were not performed since January 28, 1981 for aggregate gradation #8, resulting in eight pours in which the aggregate was used from April 20, 1982 to May 19, 1982 violating the six month test frequency.

This is a Severity Level V Violation (Supplement II).

- C. 10 CFR 50, Appendix B, Criterion II states in part that the quality assurance program shall provide control over activities affecting the quality of the identified structures and components and assure that all prerequisites for a given activity have been satisfied including the need for verification of quality by inspection and test.

The Nine Mile Point Nuclear Station, Unit 2 PSAR, Appendix D adopts the Stone & Webster Quality Assurance Program which provides quality assurance throughout the designated phases of the project including installation specifications.

The Stone & Webster Quality Assurance Program in Quality Assurance Directive 10.43, Revision A, Hanger and Anchor Bolt Installation Inspection, and Installation Specification S203G including Addendum 1 to Revision 3, Drilled-In Expansion Type Concrete Anchors require that inspections be performed by quality control with regard to bolt diameters, anchor hole diameters and depth, embedded depth, bolt perpendicularity, anchor spacing and edge distance, and torque tests. In addition, Specification S203G states that all unused anchor or probe holes shall be filled solid with dry pack consistency patching mortar and that before a seventh hole can be drilled to locate an anchor, due to the previous six holes being rejected, the six holes must be filled and allowed to harden three days.

Contrary to the above, neither the electrical nor piping concrete expansion anchor inspection programs provide for inspections of bolt diameters, anchor hole diameters and depth, embedded depth, bolt perpendicularity, anchor spacing and edge distance, torque testing, and repaired concrete anchor holes on a 100% basis or in accordance with a statistical sampling plan to assure that the requirements for anchor bolt installations have been satisfied through verification of quality by inspection and test.

This is a Severity Level IV Violation (Supplement II).

Pursuant to the provisions of 10 CFR 2.201, Niagara Mohawk Power Corporation is hereby required to submit to this office within thirty days of the date of this Notice, a written statement or explanation in reply, including: (1) the corrective

steps which have been taken and the results achieved; (2) corrective steps which will be taken to avoid further violations, and (3) the date when full compliance will be achieved. Where good cause is shown, consideration will be given to extending your response time.