

# CATEGORY 1

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SUBJECT: Forwards six-month torus wall ultrasonic test results.

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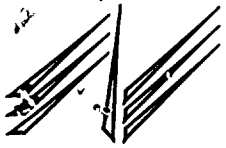
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NIAGARA MOHAWK

GENERATION  
BUSINESS GROUP

NINE MILE POINT NUCLEAR STATION/LAKE ROAD, P.O. BOX 63, LYCOMING, NEW YORK 13093/TELEPHONE (315) 349-2660  
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MARTIN J. McCORMICK JR. P.E.  
Vice President  
Nuclear Engineering

March 13, 1997  
NMP1L 1195

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

RE:                   Nine Mile Point Unit 1  
                          Docket No. 50-220  
                          DPR-63  
                          TAC No. M80214

**Subject:       Six-Month Torus Wall Ultrasonic Test Results**

Gentlemen:

In accordance with the Nuclear Regulatory Commission's Safety Evaluation of August 11, 1994, and our letter of September 14, 1994 (NMP1L 0861), Niagara Mohawk hereby submits the Nine Mile Point Unit 1 (NMP1) six-month torus wall ultrasonic test results for the six bays with average wall thicknesses closest to the 0.431 inches minimum wall thickness. Based on the attached measurements, the NMP1 torus remains in conformance with the Safety Evaluation requirements, in that the smallest average thickness (with calibration adjustment applied) is 0.452 inches, which is greater than 0.431 inches.

Very truly yours,

M. J. McCormick Jr.  
Vice President - Nuclear Engineering

190024

MJM/KLL/lmc  
Attachment

xc:   Mr. H. J. Miller, NRC Regional Administrator, Region I  
      Mr. S. S. Bajwa, Acting Director, Project Directorate I-1, NRR  
      Mr. B. S. Norris, Senior Resident Inspector  
      Mr. D. S. Hood, Senior Project Manager, NRR  
      Records Management

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NINE MILE POINT UNIT 1  
TORUS WALL THICKNESS MEASUREMENTS

| BAY NO.<br>(LOC.) | MEASUREMENT INTERVAL   | * AVERAGE<br>THICKNESS (t)<br>w/CALIBRATION | STANDARD<br>DEVIATION |
|-------------------|------------------------|---|-----------------------|
| 6 - Outside       | August 1989            | 0.457                                       | 0.0011                |
|                   | February 1990          | 0.460                                       | 0.0015                |
|                   | August 1990            | 0.455                                       | 0.0014                |
|                   | March 1991             | 0.456                                       | 0.0022                |
|                   | September/October 1991 | 0.461                                       | 0.0018                |
|                   | January/February 1992  | 0.457                                       | 0.0016                |
|                   | September 1992         | 0.458                                       | 0.0017                |
|                   | February 1993          | 0.462                                       | 0.0018                |
|                   | August 1993            | 0.459                                       | 0.0019                |
|                   | February 1994          | 0.454                                       | 0.0013                |
|                   | August 1994            | 0.455                                       | 0.0014                |
|                   | January 1995           | 0.455                                       | 0.0014                |
|                   | July 1995              | 0.455                                       | 0.0017                |
|                   | January 1996           | 0.456                                       | 0.0016                |
| July 1996         | 0.457                  | 0.0017                                      |                       |
| January 1997      | 0.456                  | 0.0016                                      |                       |
| 7 - Outside       | August 1989            | 0.462                                       | 0.0019                |
|                   | February 1993          | 0.459                                       | 0.0017                |
|                   | August 1993            | 0.459                                       | 0.0017                |
|                   | February 1994          | 0.454                                       | 0.0017                |
|                   | August 1994            | 0.458                                       | 0.0015                |
|                   | January 1995           | 0.455                                       | 0.0013                |
|                   | July 1995              | 0.457                                       | 0.0015                |
|                   | January 1996           | 0.456                                       | 0.0016                |
| July 1996         | 0.457                  | 0.0022                                      |                       |
| January 1997      | 0.457                  | 0.0019                                      |                       |
| 8 - Outside       | August 1989            | 0.459                                       | 0.0025                |
|                   | September 1992         | 0.456                                       | 0.0031                |
|                   | February 1993          | 0.456                                       | 0.0021                |
|                   | August 1993            | 0.457                                       | 0.0032                |
|                   | February 1994          | 0.453                                       | 0.0028                |
|                   | August 1994            | 0.452                                       | 0.0025                |
|                   | January 1995           | 0.452                                       | 0.0023                |
|                   | July 1995              | 0.452                                       | 0.0022                |
|                   | January 1996           | 0.453                                       | 0.0024                |
|                   | July 1996              | 0.453                                       | 0.0026                |
| January 1997      | 0.452                  | 0.0026                                      |                       |



NINE MILE POINT UNIT 1  
TORUS WALL THICKNESS MEASUREMENTS

| BAY NO.<br>(LOC.) | MEASUREMENT INTERVAL   | * AVERAGE<br>THICKNESS (t)<br>w/CALIBRATION | STANDARD<br>DEVIATION |
|-------------------|------------------------|---|-----------------------|
| 17 - Inside       | August 1989            | 0.456                                       | 0.0026                |
|                   | February 1990          | 0.455                                       | 0.0014                |
|                   | August 1990            | 0.456                                       | 0.0016                |
|                   | March 1991             | 0.457                                       | 0.0008                |
|                   | September/October 1991 | 0.458                                       | 0.0015                |
|                   | January/February 1992  | 0.457                                       | 0.0020                |
|                   | September 1992         | 0.457                                       | 0.0015                |
|                   | February 1993          | 0.455                                       | 0.0018                |
|                   | August 1993            | 0.455                                       | 0.0019                |
|                   | February 1994          | 0.455                                       | 0.0020                |
|                   | August 1994            | 0.454                                       | 0.0018                |
|                   | January 1995           | 0.454                                       | 0.0016                |
|                   | July 1995              | 0.454                                       | 0.0020                |
|                   | January 1996           | 0.456                                       | 0.0020                |
|                   | July 1996              | 0.457                                       | 0.0021                |
| January 1997      | 0.458                  | 0.0018                                      |                       |
| 17 - Outside      | August 1989            | 0.454                                       | 0.0020                |
|                   | February 1990          | 0.453                                       | 0.0021                |
|                   | August 1990            | 0.455                                       | 0.0017                |
|                   | March 1991             | 0.453                                       | 0.0010                |
|                   | September/October 1991 | 0.456                                       | 0.0018                |
|                   | January/February 1992  | 0.455                                       | 0.0019                |
|                   | September 1992         | 0.456                                       | 0.0017                |
|                   | February 1993          | 0.451                                       | 0.0017                |
|                   | August 1993            | 0.451                                       | 0.0016                |
|                   | February 1994          | 0.453                                       | 0.0015                |
|                   | August 1994            | 0.452                                       | 0.0015                |
|                   | January 1995           | 0.453                                       | 0.0013                |
|                   | July 1995              | 0.452                                       | 0.0018                |
|                   | January 1996           | 0.452                                       | 0.0016                |
|                   | July 1996              | 0.457                                       | 0.0020                |
| January 1997      | 0.456                  | 0.0020                                      |                       |



11  
12



**NINE MILE POINT UNIT 1  
TORUS WALL THICKNESS MEASUREMENTS**

| BAY NO.<br>(LOC.) | MEASUREMENT INTERVAL   | * AVERAGE<br>THICKNESS (")<br>w/CALIBRATION | STANDARD<br>DEVIATION |
|-------------------|------------------------|---|-----------------------|
| 20 - Outside      | August 1989            | 0.456                                       | 0.0018                |
|                   | February 1990          | 0.457                                       | 0.0022                |
|                   | August 1990            | 0.456                                       | 0.0020                |
|                   | March 1991             | 0.456                                       | 0.0023                |
|                   | September/October 1991 | 0.458                                       | 0.0022                |
|                   | January/February 1991  | 0.457                                       | 0.0021                |
|                   | September 1992         | 0.454                                       | 0.0021                |
|                   | February 1993          | 0.454                                       | 0.0018                |
|                   | August 1993            | 0.453                                       | 0.0025                |
|                   | February 1994          | 0.455                                       | 0.0021                |
|                   | August 1994            | 0.454                                       | 0.0025                |
|                   | January 1995           | 0.455                                       | 0.0017                |
|                   | July 1995              | 0.456                                       | 0.0028                |
|                   | January 1996           | 0.460                                       | 0.0024                |
|                   | July 1996              | 0.460                                       | 0.0020                |
| January 1997      | 0.458                  | 0.0019                                      |                       |

**Note:** All values in inches.

\* Average of 65 measurements over a 1' x 3' grid.

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