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SUBJECT: Informs that NMP will perform UT thickness measurements of all torus bays in time frame stated in 940811 SER, which is approximately 10 yrs from date of SER. Util will continue to measure torus wall thickness for thinnest bays.

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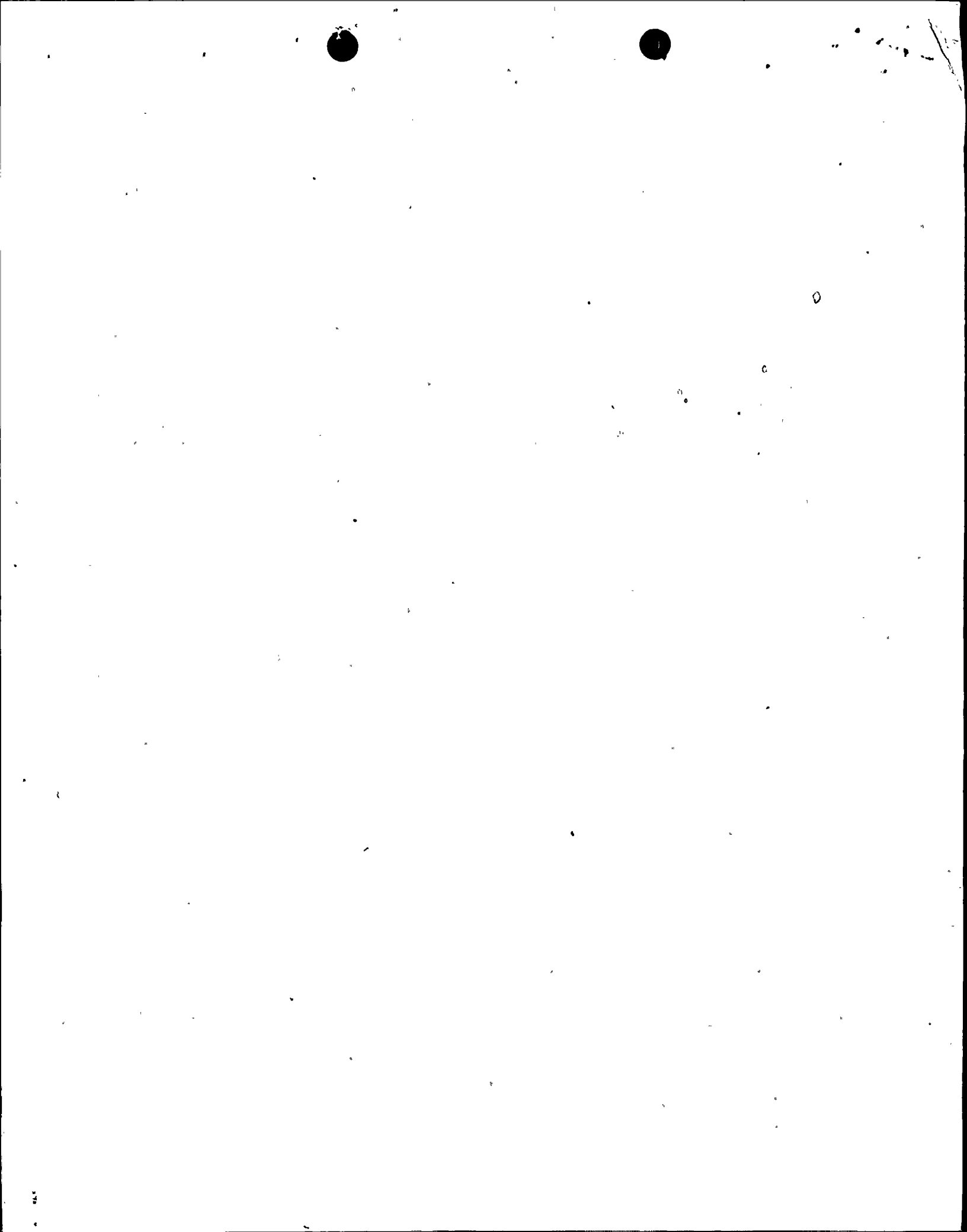
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NIAGARA MOHAWK

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JOHN T. CONWAY
Vice President
Nuclear Engineering

July 24, 1997
NMP1L 1237

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

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

Subject: Torus Shell and Coupon Corrosion Rate Determination

Gentlemen:

In accordance with the Nuclear Regulatory Commission's (NRC's) Safety Evaluation Reports (SERs) of August 24, 1992 and August 11, 1994, Niagara Mohawk installed sample coupons of the same material as that of the torus shell during the 1993 refueling outage. These coupons were placed in the torus with approximately one-half of a coupon above the water line and one-half below the water line. The corrosion rates obtained from the coupons are compared once per refueling outage to that obtained from the UT measurements of the shell with the most conservative corrosion rate being used to make future corrosion rate determinations.

Laboratory and engineering analysis of the coupons removed during the 1997 refueling outage indicated a corrosion rate of 0.4054 mils per year including one standard deviation. The maximum average corrosion rate as determined from UT measurements of the torus shell and a linear regression analysis is 0.872 mils per year. The most conservative corrosion rate (0.872 mils per year) does not exceed the maximum corrosion rate (given in the NRC's August 11, 1994 SER) of 1.26 mils per year. Therefore, Niagara Mohawk will perform UT thickness

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measurements of all torus bays in the time frame stated in the August 11, 1994 SER, which is approximately ten (10) years from the date of the SER. In the meantime, Niagara Mohawk will continue to measure torus wall thickness for the six (6) thinnest bays every six (6) months and measure the corrosion rate of the coupons every refueling outage as identified in the August 11, 1994 SER.

Very truly yours,



John T. Conway
Vice President Nuclear Engineering

JTC/TRE/cmK

xc: Mr. H. J. Miller, NRC Regional Administrator
Mr. A. W. Dromerick, 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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