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SUBJECT: Forwards "Upper Shelf Energy Uncertainty Analysis for Nine Mile Point Unit 1 Beltline Welds" Final Rept MPM-USE-393215, per 921013 meeting w/NRC re GL 92-01, Rev 1.

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 TITLE: Generic Letter 92-01 Responses (Reactor Vessel Structural Integrity 1)

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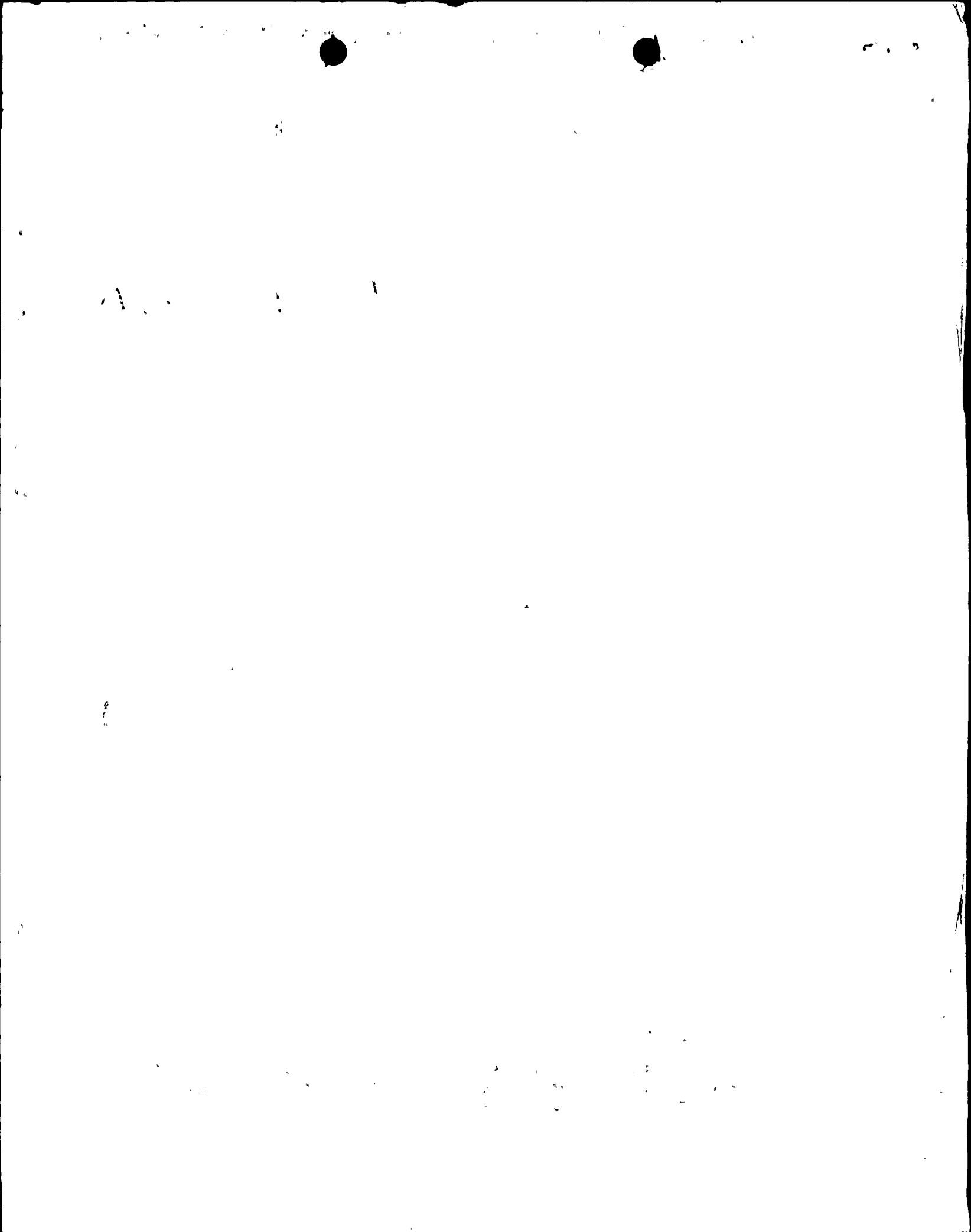
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March 19, 1993  
NMP1L 0747

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

Re: Nine Mile Point Unit 1  
Docket No. 50-220  
DPR-63  
TAC No. M83486

SUBJECT: GENERIC LETTER 92-01, REVISION 1, REACTOR VESSEL  
STRUCTURAL INTEGRITY, UPPER SHELF ENERGY ESTIMATES FOR  
BELTLINE WELDS

Gentlemen:

Your letter of October 13, 1992, provided a summary of a meeting between the Staff and Niagara Mohawk Power Corporation to discuss our response to Generic Letter 92-01 for Nine Mile Point Unit 1 (NMP1). In the letter, the Staff recommended that Niagara Mohawk submit the uncertainty analysis for the evaluation of upper shelf energy (USE) for the beltline welds and include benchmarking against data in the Power Reactor Embrittlement Data Base. Our letter of February 26, 1993 (NMP1L 0739), indicated that the report on USE estimates for beltline welds would be submitted by March 22, 1993.

Enclosed is a copy of our report entitled, "Upper Shelf Energy Uncertainty Analysis for Nine Mile Point Unit 1 Beltline Welds." Based on the analysis contained herein, Niagara Mohawk has concluded that the USE estimates provided in our July 2, 1992 response to Generic Letter 92-01 (NMP1L 0677) are accurate and conservative, and none of the beltline weld materials will exhibit USE levels below 50 ft-lbs prior to end of license.

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As discussed in the enclosed report, ABB/Combustion Engineering has recently notified Niagara Mohawk that they have discovered an inconsistency in the NMP1 beltline material documentation. In particular, Niagara Mohawk now believes that only one wire heat/flux lot combination was used in weld seam 2-564-A/C. The correct records pertaining to weld seam 2-564-A/C list the following information:

3/16 inch RACO-3 wire, Heat No. 86054-B  
ARCOS B-5 flux, Lot No. 4E5F  
Backchip: E8018 3/16 inch Lot HADD; 1/4 inch Lot JBGD

Accordingly, the enclosed report contains a corrected summary of the welds used in the NMP1 vessel fabrication. This finding does not affect previous calculations or results submitted to the Staff. The only impact is to correct earlier documentation to indicate that wire heat/flux lot combination 1248/4K13F is not used in beltline weld seam 2-564-A/C.

Very truly yours,



C. D. Terry  
Vice President  
Nuclear Engineering

AER/pr  
003708GG  
Enclosure

xc: Regional Administrator, Region I  
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