

August 24, 1998

Mr. John H. Mueller
Chief Nuclear Officer
Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
Operations Building, Second Floor
P.O. Box 63
Lycoming, NY 13093

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING CORE SHROUD
EVALUATION FROM REFUELING OUTAGE 6 (RFO6) - NINE MILE POINT
NUCLEAR STATION UNIT NO. 2 (TAC NO. MA2286)

Dear Mr. Mueller:

By letter dated July 9, 1998, you submitted results of the inspections of the core shroud during RFO6 at Nine Mile Point Nuclear Station Unit 2 (NMP2). You also provided the evaluation that was performed to support continued operation of NMP2. The NRC staff is reviewing your submittal and finds that the following additional information is needed:

For the compound flaw at horizontal weld H4, you apply a stress intensity factor formula, Equation (4-1), which is applicable for R/t values ranging from 5 to 10. Please provide details supporting your following statement: "The R/t value for the shroud geometry is approximately 50. However, a review of available analytical solutions for through-wall and part-through-wall circumferential cracks showed that the stress intensity factor predictions of Equation (4-1) are conservative. Therefore, the use of Equation (4-1) for this evaluation was justified."

Your response to this letter is requested within 45 days of its receipt. If you should have any questions regarding this request or are unable to meet the requested response schedule, please contact me by phone on (301) 415-3049 or by electronic mail at dsh@nrc.gov.

Sincerely,

Original Signed by:

Darl S. Hood, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-220

cc: See next page

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Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

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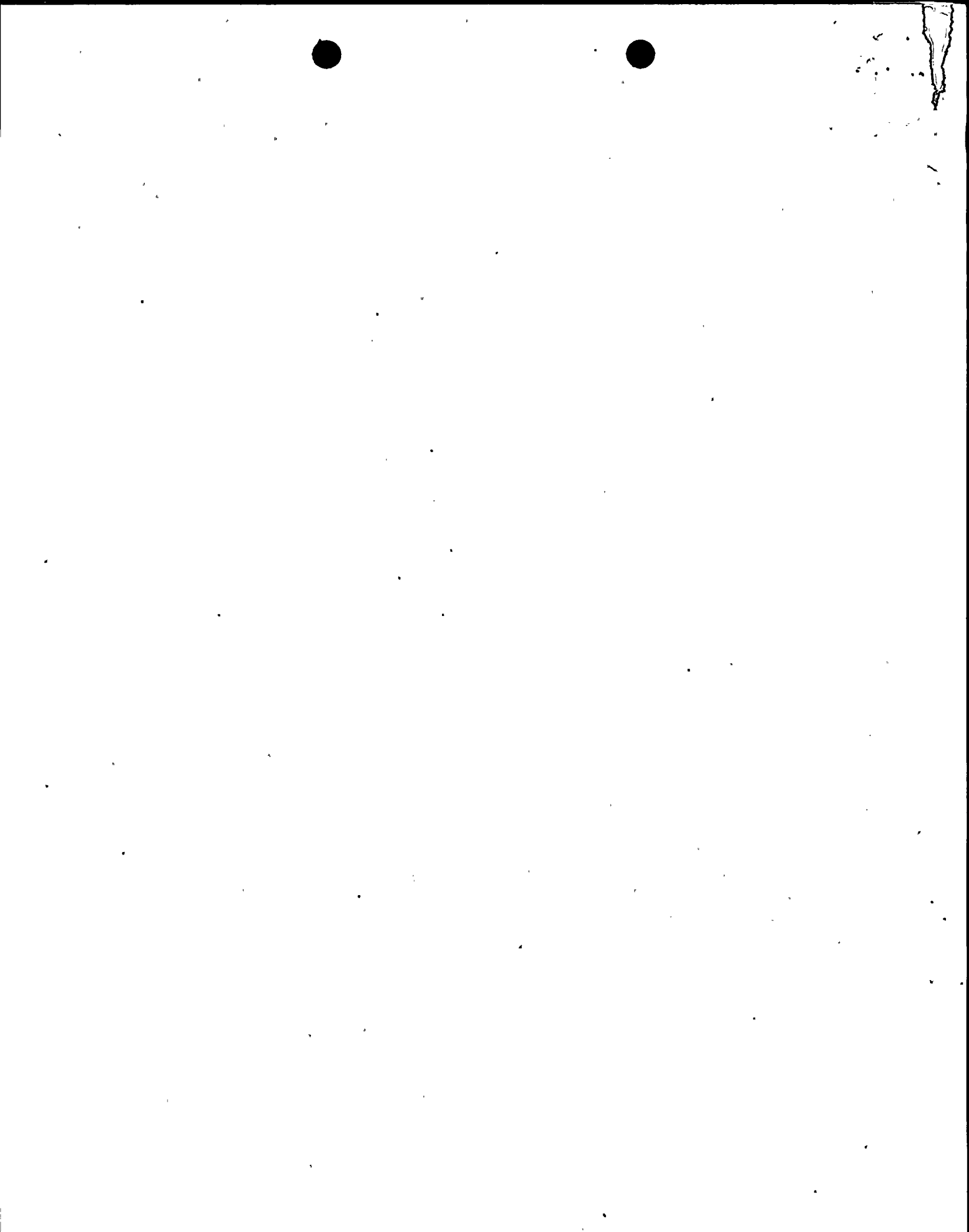
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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Chief Nuclear Officer
Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
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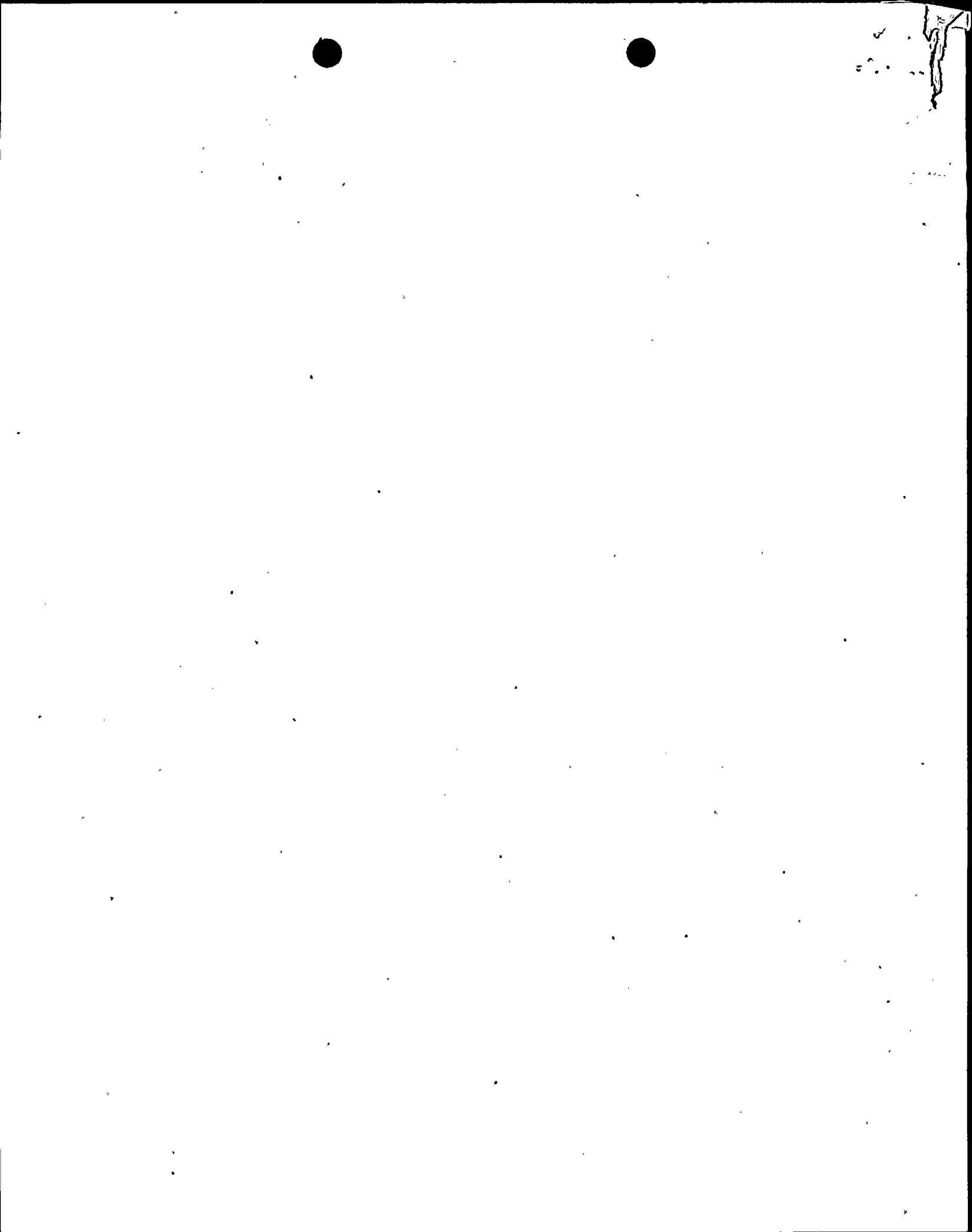
Sincerely,

A handwritten signature in cursive script that reads "Darl S. Hood".

Darl S. Hood, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

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cc: See next page



John H. Mueller
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station
Unit No. 2

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