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(TEMPORARY FORM)

CONTROL NO: 9332  
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FROM: LeBoeuf, Lamb, Leiby & MacRae Washington, D. C. LeBoruf, Lamb, Leiby & MacRae		DATE OF DOC 9-2-75	DATE REC'D 9-2-75	LTR XXX	TWX	RPT	OTHER
TO: Ben C. Rusche		ORIG 3 Signed	CC	OTHER	SENT NRC PDR <u>XXXX</u> SENT LOCAL PDR <u>XXXX</u>		
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 3	DOCKET NO: 50-220		

<b>DESCRIPTION:</b>  N otarized ltr. 8-29-75...trans the follow- ing.....  <b>PLANT NAME:</b> Nine Mile Point #.1	<b>ENCLOSURES:</b>  Proposed Amdt. to O/L change to Tech Spec; con- sisting of Revisions to Change Minimum Critical P power Ratio....Attach. "B"-Rod Withdrawal Error Transient Analysis....W/Figs... Certificate of Service "Application for Amdt to Oper. Lic." served yupon Mr. Robert P. Jones Supervisor, Town of Scriba, R.D. #4, Osewege, N.Y. et al..... ( 40 cys. Rec'd )
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**FOR ACTION/INFORMATION**

VCR 9-4-75

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**ACKNOWLEDGED**  
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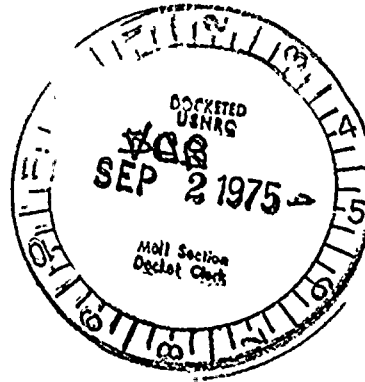
September 2, 1975

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NEW YORK, N.Y. 10005

WASHINGTON TELEPHONE  
202-872-8868

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Mr. Ben C. Rusche  
Director  
Office of Nuclear Reactor  
Regulation  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555



Re: Niagara Mohawk Power Corporation  
Nine Mile Point Nuclear Station Unit No. 1  
Docket No. 50-220

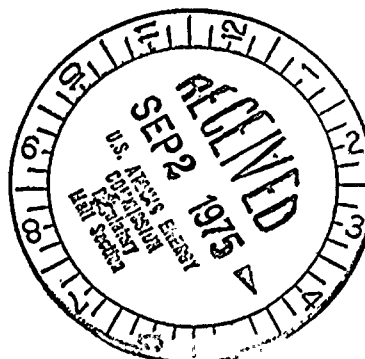
Dear Mr. Rusche:

Transmitted herewith are three (3) signed originals and nineteen (19) copies of a document entitled "Application for Amendment to Operating License." This Application seeks to amend Section 3.1.7c of the Technical Specifications set forth in Appendix A to Facility Operating License No. DPR-63 to change the Minimum Critical Power Ratio from 1.24 to 1.25. Forty (40) copies of the proposed change in Technical Specifications and safety evaluation accompany this Application.

A Certificate of Service showing service of these documents upon the persons listed therein is also enclosed.

Very truly yours,

*LeBoeuf, Lamb, Leiby & MacRae*  
LeBoeuf, Lamb, Leiby & MacRae  
Attorneys for Niagara Mohawk  
Power Corporation

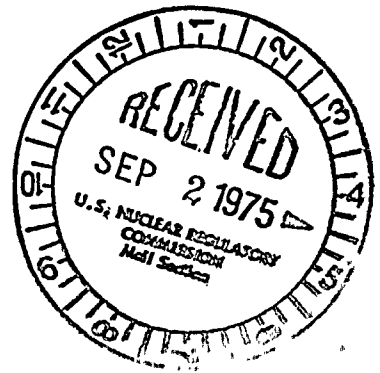


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SECRET (S) (U)

BEFORE THE UNITED STATES  
NUCLEAR REGULATORY COMMISSION



In the Matter of )  
 )  
NIAGARA MOHAWK POWER CORPORATION ) Docket No. 50-220  
(Nine Mile Point Nuclear Station )  
Unit No. 1) )

CERTIFICATE OF SERVICE

I hereby certify that I have served a document  
entitled "Application for Amendment to Operating License"  
by mailing a copy thereof first class, postage prepaid,  
to the following persons this 2nd day of September, 1975.

Mr. Robert P. Jones  
Supervisor  
Town of Scriba  
R. D. #4  
Oswego, New York 13126

Miss Juanita Kersey  
Librarian  
Oswego City Library  
120 E. Second Street  
Oswego, New York 13126

Dr. William E. Seymour  
Staff Coordinator  
New York State Atomic  
Energy Council  
New York State Department  
of Commerce  
99 Washington Avenue  
Albany, New York 12210

Hope M. Babcock  
Hope M. Babcock

LeBoeuf, Lamb, Leiby & MacRae  
Attorneys for Applicant



UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of )  
 )  
NIAGARA MOHAWK POWER CORPORATION )  
(Nine Mile Point Nuclear Station) )  
Unit No. 1) )

Docket No. 50-220

APPLICATION FOR AMENDMENT  
TO  
OPERATING LICENSE

Pursuant to Section 50.90 of the regulations of the Nuclear Regulatory Commission, Niagara Mohawk Power Corporation, holder of Facility Operating License No. DPR-63, hereby requests that Section 3.1.7c of the Technical Specifications set forth in Appendix A to that License be amended. This change is provided in response to the August 14, 1975 letter of request from Mr. George Lear to Mr. G. K. Rhode. This proposed change has been approved by the Site Operations Review Committee and Safety Review and Audit Board.

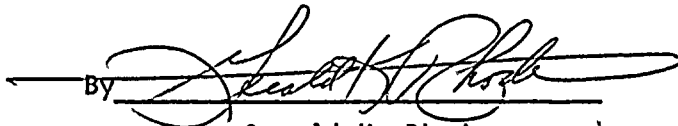





The proposed technical specification change is set forth in Attachment A to this application. The Licensee also transmits as Attachment B a document entitled, "Rod Withdrawal Error Transient Analysis." The proposed change would not authorize any change in the types or any increase in the amounts of effluents or any increase in the authorized power level of the facility.

WHEREFORE, Applicant respectfully requests that Appendix A to Facility Operating License No. DPR-63 be amended in the form attached hereto as Attachment A.

NIAGARA MOHAWK POWER CORPORATION

By   
Gerald K. Rhode  
Vice President-Engineering

Subscribed and sworn to  
before me on this 27 day  
of August, 1975.

  
Notary Public  
HAZEL J. CARRICK  
Notary Public in the State of New York  
Qualified in Onon. Co. No. 4524460  
My Commission Expires March 30, 1976

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ATTACHMENT A

Niagara Mohawk Power Corporation

License No. DPR-63

Docket No. 50-220

Proposed Change to Technical Specifications

<u>Item</u>	<u>Location*</u>	<u>Change</u>
Limiting Condition for Operation 3.1.7c	Page 64a	Change Minimum Critical Power Ratio (MCPR) value for 8 x 8 fuel to " <u>≥</u> 1.25"

\*The June 27, 1975 "Application of General Electric Thermal Analysis Basis (GETAB)" submittal proposed the addition of page 64a to the Technical Specifications.



ATTACHMENT B

Nine Mile Point Unit 1 Nuclear Power Station  
Rod Withdrawal Error Transient Analysis

(Supplement to "Application of General Electric  
Thermal Analysis Basis (GETAB)," June 1975)

August 1975



## I. Introduction

This report presents the results of an analysis of the rod withdrawal error transient for Cycle 3. This information is provided in response to Reference 1 and supplements that in Reference 2.

## II. Analysis of Rod Withdrawal Error Transient

Discussion of the rod withdrawal error transient analysis, including assumptions, is presented in Sections 6.2.4 and 6.3.3.2 of Reference 3. A description of input to this analysis is presented in Section IV of Attachment B to Reference 2.

With the rod block setting at 105%, the Cycle 3 rod block response is shown in Figures 24 and 25 of Reference 4. The worst case MCPR at rod block is determined from the attached Figures 1 and 2.

As a result of this analysis, it is necessary that the 8 x 8 MCPR operating limit be increased to 1.25, in order to avoid violating the MCPR Safety Limit during a postulated rod withdrawal error transient.





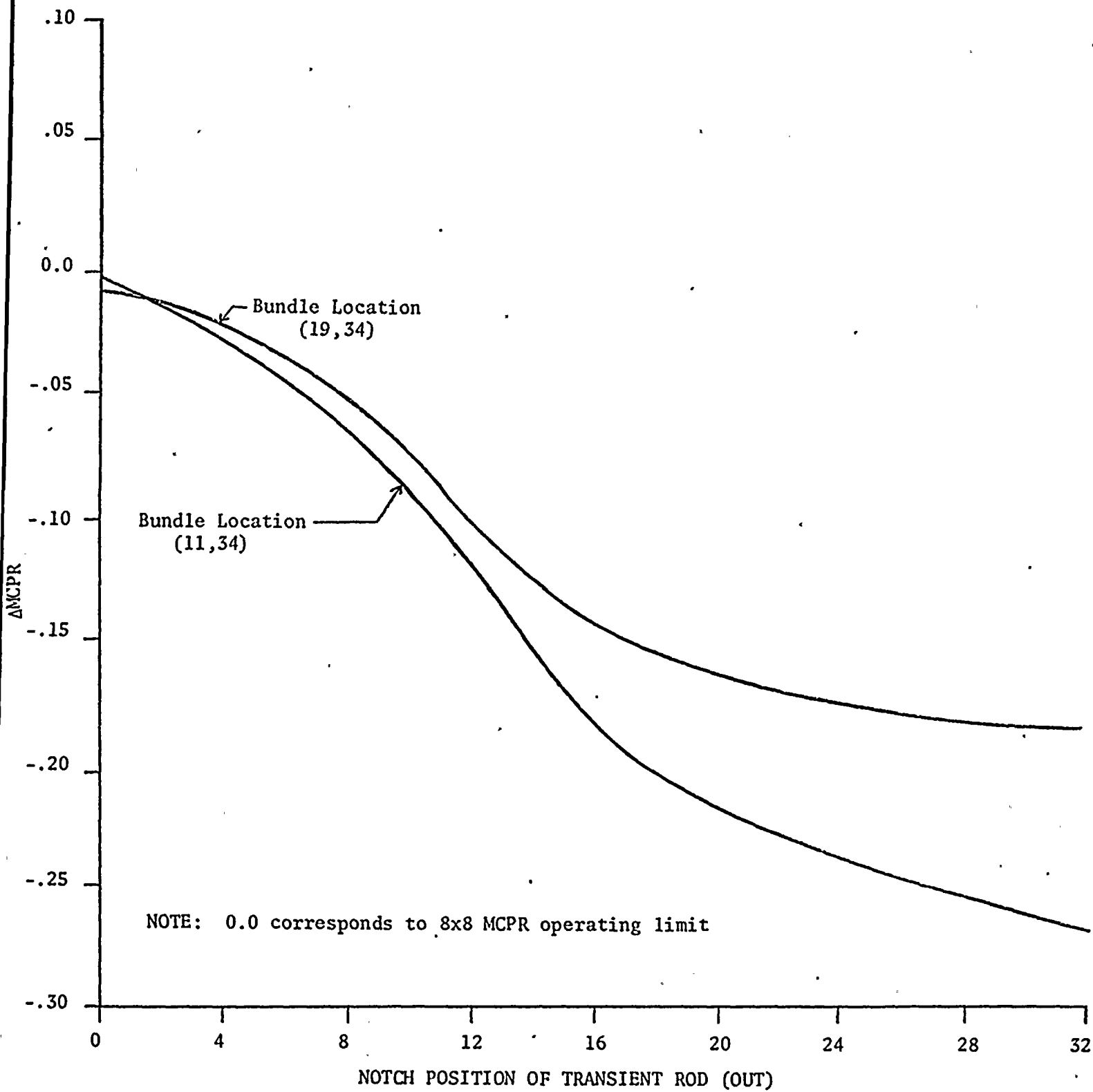


Figure 1. NMP-1 Cycle 3 Notch Position of Transient Rod versus ΔMCPR for 7x7 Fuel



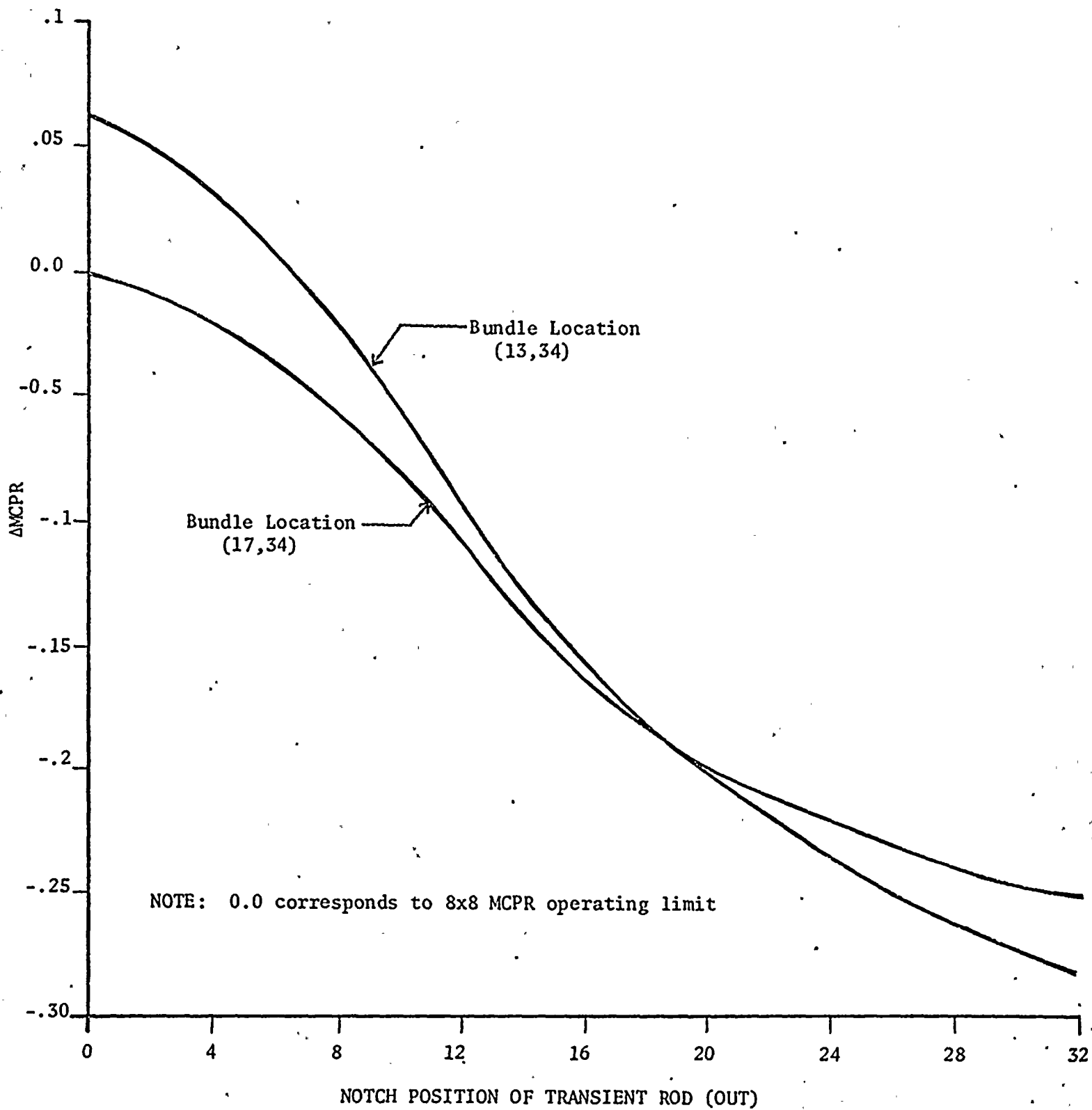


Figure 2. NMP-1 Cycle 3 Notch Position of Transient Rod versus  $\Delta MCPR$  for 8x8 Fuel



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#### REFERENCES

1. Letter from Mr. G. Lear (Nuclear Regulatory Commission) to Mr. G. K. Rhode (Niagara Mohawk), August 14, 1975.
2. Niagara Mohawk Power Corporation to United States Nuclear Regulatory Commission, "Application for Amendment to Technical Specifications," June 27, 1975.
3. GE/BWR Generic Reload Application for 8 x 8 Fuel, Supplement 2, May, 1975 (NEDO-20360).
4. Letter from Mr. P. D. Raymond (Niagara Mohawk) to Mr. A. Giambusso (Atomic Energy Commission) dated October 15, 1973.

