

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8612010092 DOC. DATE: 86/11/21 NOTARIZED: YES DOCKET #
 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
 AUTH. NAME AUTHOR AFFILIATION
 MANGAN, C. V. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Advises that conclusion on acceptability re suppression pool bulk-to-local temp remains unchanged, per NRC 861106 request to review analysis documented in FSAR Section 6A.10.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
 TITLE: OR Submittal: General Distribution

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	BWR EB	1 1	BWR EICSB	2 2
	BWR FOB	1 1	BWR PD3 LA	1 0
	BWR PD3 PD 01	5 5	HAUGHEY, M	1 1
	BWR PSB	1 1	BWR RSB	1 1
INTERNAL:	ACRS 09	6 6	ADM/LFMB	1 0
	ELD/HDS3	1 0	NRR/DHFT/TSCB	1 1
	NRR/ORAS	1 0	<u>REG FILE</u> 04	1 1
	RGN1	1 1		
EXTERNAL:	EG&G BRUSKE, S	1 1	LPDR 03	1 1
	NRC PDR 02	1 1	NSIC 05	1 1

November 21, 1986
(NMP2L 0940)

Ms. Elinor G. Adensam, Director
BWR Project Directorate No. 3
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Washington, DC 20555

Dear Ms. Adensam:

Re: Nine Mile Point Unit 2
Docket No. 50-410

In response to a Nuclear Regulatory Commission Staff request on November 6, 1986, Niagara Mohawk Power Corporation has reviewed the Nine Mile Point Unit 2 suppression pool bulk-to-local temperature analysis documented in the Final Safety Analysis Report (FSAR), Section 6A.10. That analysis, performed in conformance with NUREG-0783, predicted a maximum bulk-to-local temperature difference of less than 10°F during safety relief valve discharge (see Figure 6A.10-20). The Staff requested Niagara Mohawk to review the impact of using a 12°F bulk-to-local temperature difference.

The LaSalle test results show an average local-to-bulk temperature difference of 8.1°F with the corresponding 95/95 percent confidence level not exceeding a temperature of 12°F. This temperature difference is applicable to Nine Mile Point Unit 2 since LaSalle and Nine Mile Point Unit 2 pools have similar geometry as documented in FSAR Section 6A.10.3.3. The calculated allowable difference for Nine Mile Point Unit 2 is 13.4°F, as shown on Final Safety Analysis Report Table 6A.10-1. The 12° value is less than the calculated allowable difference of 13.4°F as presented in the FSAR; therefore, the conclusion on acceptability remains unchanged.

Very truly yours,

8612010092 861121
PDR ADCK 05000410
P PDR

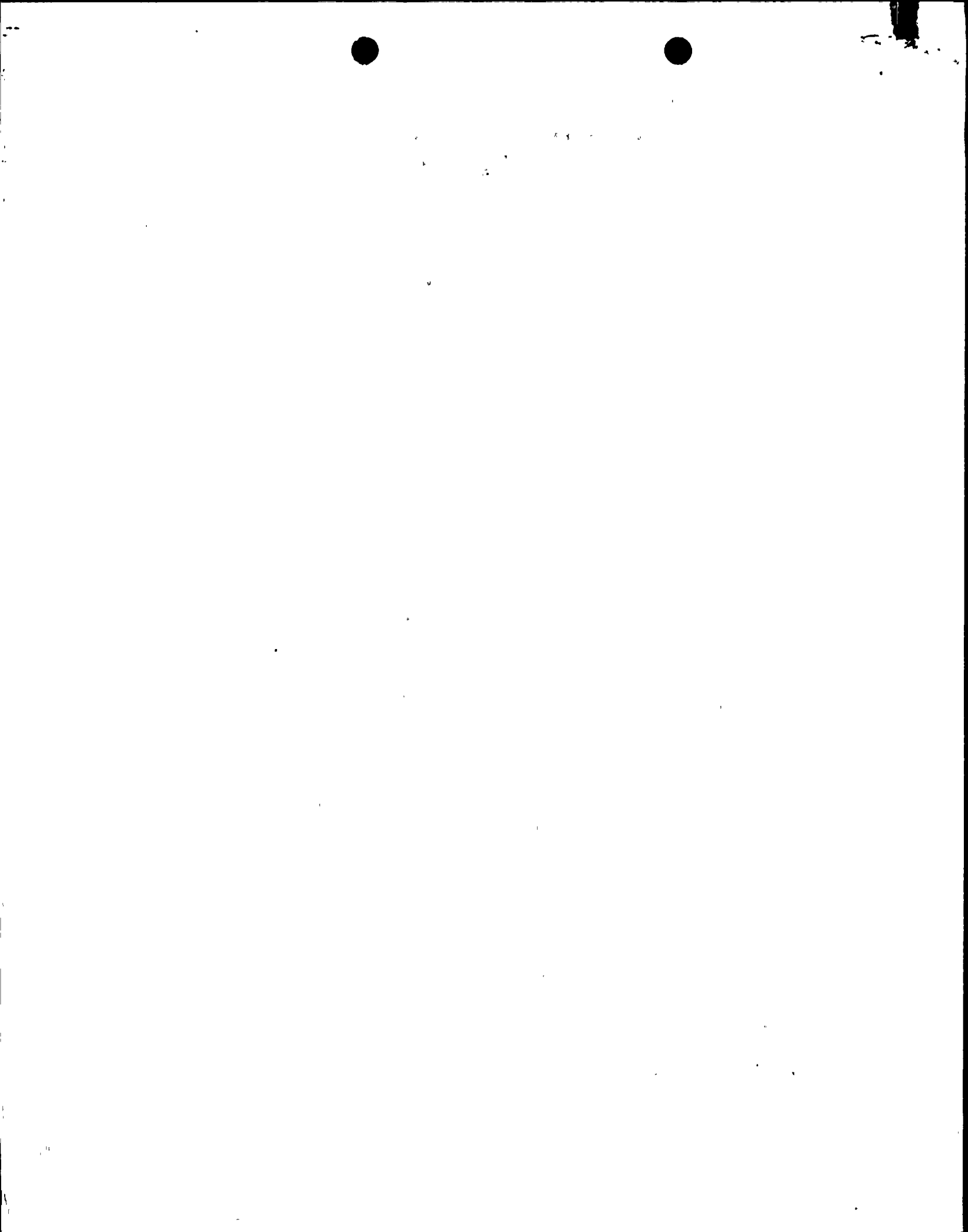
C. V. Mangan

C. V. Mangan
Senior Vice President

NLR/pns
2219G

xc: W. A. Cook, NRC Resident Inspector
Project File (2)

A001
1/0



UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of]
Niagara Mohawk Power Corporation] Docket No. 50-410
(Nine Mile Point Unit 2)]

AFFIDAVIT

C. V. Mangan, being duly sworn, states that he is Senior Vice President of Niagara Mohawk Power Corporation; that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission the documents attached hereto; and that all such documents are true and correct to the best of his knowledge, information and belief.

C. V. Mangan

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 21st day of November, 1986.

Beth A. Menikheim
Notary Public in and for
Onondaga County, New York

My Commission expires:

BETH A. MENIKHEIM
Notary Public in the State of New York
Qualified in Onondaga County No. 4204073
My Commission Expires August 31, 1988

1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025