September 1, 1



Docket No. 5	0-410	DISTRIBUTION	F laudan
LICENSEE:	Niagara Mohawk Power Corporation	Docket_File	JPartlow ACRS(10)
FACILITY:	Nine Mile Point Unit 2	PDI-1 Rdg. MHaughey R. Capra	BClayton JJohnson, RI [.] DNeighbors
SUBJECT:	SUMMARY OF MEETING HELD ON AUGUST 18 NIAGARA MOHAWK POWER CORPORATION (NM	, 1987 WITH	RGoel JKudrick

On August 18, 1987 the NRC staff met with representatives of NMPC to discuss drawdown time calculations for Nine Mile Point Unit 2 (NMP-2). NMPC had recently determined that the original calculations to determine drawdown time for NMP-2, which assumed loss of offsite power, did not represent the worst case condition. At the meeting, NMPC presented the results of the revised, more conservative calculations. The new analysis applies to the first cycle of operation only. The analysis for operation beyond the first cycle will be completed at a later date.

NMPC has performed the new analysis under the provisions of 10 CFR 50.59. If the NRC staff determines that this is not an unreviewed safety issue, and therefore not covered by the provisions of 10 CFR 50.59, the licensee will be informed.

Because NMPC intends to operate NMP-2 under restrictions more stringent than those presently in the Technical Specifications in order to be bounded by the new analysis, NMPC is not proposing a change to the Technical Specifications.

In addition to the discussions concerning the revised drawdown time, the recent amendment request to revise the allowable service water temperature to 81°F was discussed. The licensee agreed to provide additional information concerning (1) procedures to be used to bring the third closed loop cooling water (CCP) heat exchanger on line when needed; (2) procedures concerning radwaste loads in the turbine area; and (3) what was involved in reducing the K factors.

Enclosure 1 contains a copy of the handout supplied by NMPC during the meeting. Enclosure 2 contains a list of meeting attendees.

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Mary F. Haughey, Project Manager Project Directorate I-1 Division of Reactor Projects, I/II

Enclosures: As stated

cc: See next page

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Mr. C. V. Mangan Niagara Mohawk Power Corporation

cc: Mr. Troy B. Conner, Jr., Esq. Conner & Wetterhahn Suite 1050 1747 Pennsylvania Avenue, N.W. Washington, D.C. 20006

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Don Hill Niagara Mohawk Power Corporation Suite 550 4520 East West Highway Bethesda, Maryland 20814 Nine Mile Point Nuclear Station Unit 2

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Mr. Paul D. Eddy New York State Public Serice Commission Nine Mile Point Nuclear Station -Unit II P.O. Box 63 Lycoming, New York 13093

Mr. Richard M. Kessel Chair and Executive Director State Consumer Protection Board 99 Washington Avenue Albany, New York 12210

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TASK 1 - EFFECT OF INITIAL VACUUM

- **TASK 2 MAXIMUM DRAWDOWN TIME**
- TASK 3 EFFECT OF INLEAKAGE ANNULUS MODEL
- **TASK 4 COMPARISON OF ANNULUS VS. THREED MODEL**

TASK 5 - EFFECT OF INLEAKAGE AND DRAWDOWN TIME -THREED MODEL

TASK 6 - CURRENT OPERATION LIMITATIONS

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TASK 1 SRP CASE (LOCA + LOOP + DIV. II 600V **ANNULUS BUS FAILURE)** MODEL SGTS FAN CAPACITY - 4000 CFM INLEAKAGE - 3190 CFM **INITIAL VACUUM, IN W.G.** DRAWDOWN TIME, SEC. $\Delta \mathbf{T}$ 16 105 Π - 0.25 16 95 - 0.40 16 93

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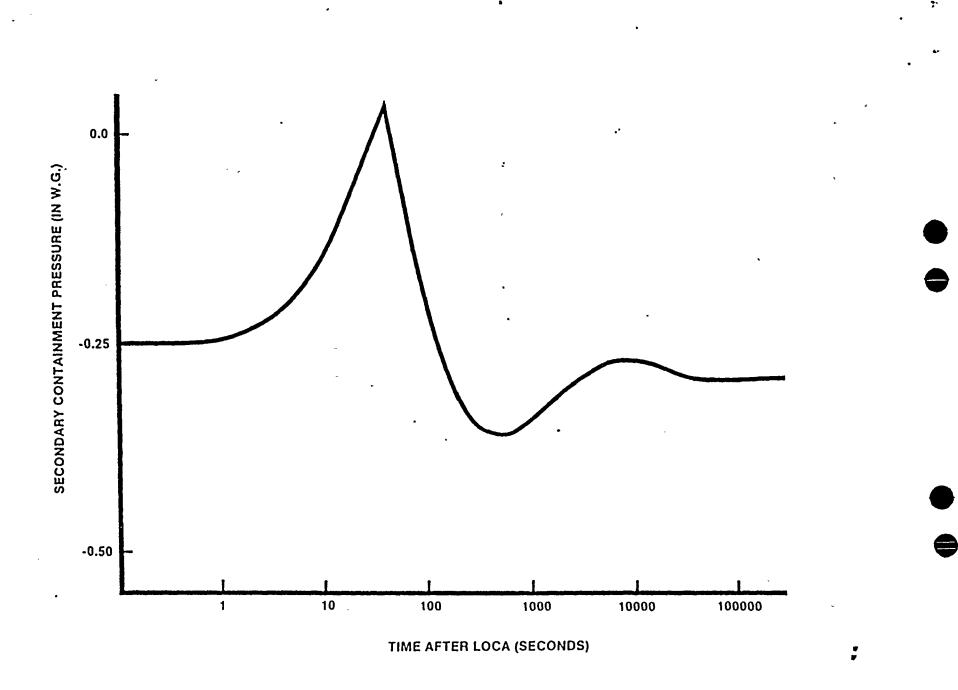
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NMP2 FSAR FIGURE 6.2 - 76

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TASK 2

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	DDAUDOUN	CONTATINGUE	OSE (REM)	
LOCATION	DRAWDOWN • <u>TIME (SEC)</u>	CONTAINMENT DEPRESSURIZATION	MISCELLANEOUS	TOTAL
CONTROL ⁻ ROOM	129	0.55	23.35	23.90
10011	360	1.63*	23,35*	24.98*
	468	2.16*	23.35*	25,51*
•				, - ,
•	129	80	10	90
EAB	360	210*	10	220*
	468	289*	10	299*

*INTERPOLATED



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TASK 3

REVISED SRP CASE (LOCA + DIV. II 600V BUS FAILURE)(NO LOOP)

SGTS FAN CAPACITY - 4000 CFM



INLEAKAGE - 2400 CFM	INLEAKAGE - 2800 CFM

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<u>∆ T</u>	DRAWDOWN TIME, SEC.	DRAWDOWN TIME, SEC.
25	120	127
20	140	158
19	148	170
15	202	2010
14	640	2340

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TASK 4

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DRAWDOWN TIME \leq 129 SEC. SGTS FAN CAPACITY - 4000 CFM

	FS	AR	SF	RP	REVISE	D SRP
IN LEAKAGE, CFM	ANNULUS	THREED	ANNULUS	THREED	ANNULUS	THREED
3190	14	14	16	13	[^] 19	18
2800	11.25	12	14	11	17.75	16
2400	10	10	11.5	9	17.25	14
2000	9	8			16.75	12

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TASK 5A

REVISED SRP CASE (LOCA + DIV. II 600V BUS FAILURE)

SGTS FAN CAPACITY - 4000 CFM INLEAKAGE - 3190 CFM

\triangle T	T DRAWDOWN TIME, SEC.	
19	112	
18	120	
17	133	
15	242	
14	661	CH87-458

THREED MODEL

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TASK 5B

REVISED SRP CASE (LOCA + DIV. II 600V BUS FAILURE)

SGTS FAN CAPACITY - 4000 CFM INLEAKAGE - 2800 CFM

\triangle T	DRAWDOWN TIME, SEC.	
17	114	
16	122	
15	134	6
12	295	
11	518	
9	713 ;	CH87-451

THREED MODEL

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REVISED SRP CASE (LOCA + DIV. II 600V BUS FAILURE)

SGTS FAN CAPACITY - 4000 CFM

ΔT	DRAWDOWN TIME, SEC.
14	124
13	135
10	223
9	306
8	424

THREED MODEL

CH17-460

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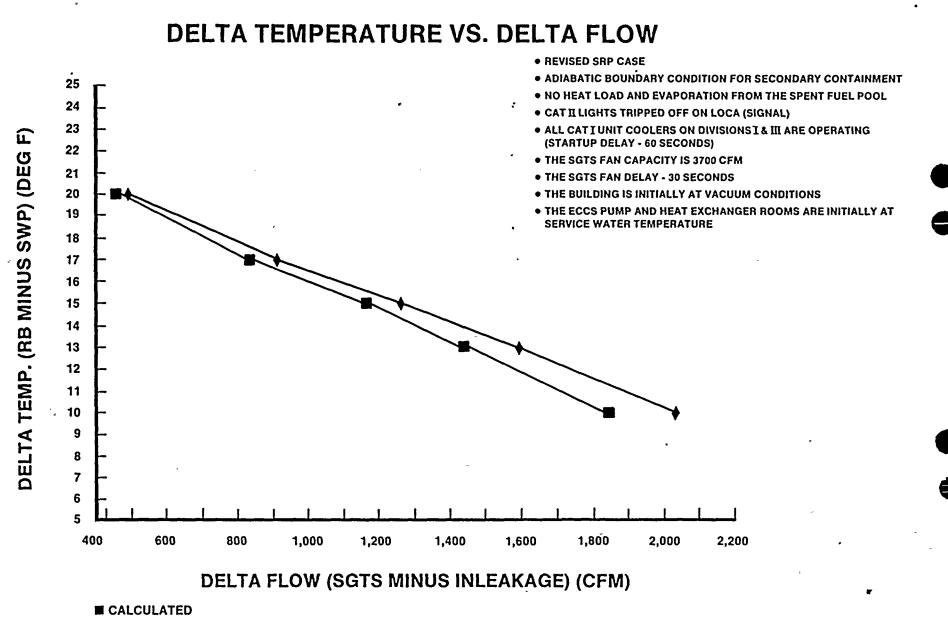
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CALCULATED + 10% MARGIN CH87-488



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RESULTS OF SURVEILLANCE TEST N2-OSP-GTS-ROO1 PERFORMED 8/16/87

INITIAL CONDITIONS:

SERVICE WATER TEMPERATURE	71.4°F
AMBIENT TEMPERATURE	83°F
REFUEL FLOOR AVERAGE TEMPERATURE	98.9°F
·BUILDING ▲ P AT START -	0.25" W.C.

TEST RESULTS:

STEADY STATE INLEAKAGE AT - 0.45 IN. WC = 1880 CFM (CORRESPONDS TO 1500 CFM \approx -0.25 IN. WC)

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LIST OF MEETING ATTENDEES

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ON AUGUST 18, 1987

Name	Organization
Mary Haughey	NRC
Don Neighbors	NRC
Raj Goel	NRC
Jack Kudrick	NRC
John Craig	NRC
- Don Hill .	NMPC
Ed Klein	NMPC
M. K. Allen	SWEC
V. B. Patel	SWEC
M. S. Stocknoff	SWEC
Peter Francisco	NMPC
John E. Arthur	RG&E
Mark Wetterhahn	Conner & Wetterhahn

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