

**FILE NUMBER**

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL**

TC:

Mr. George Lear

**FROM:**

Niagara Mohawk Power Corp.  
Syracuse, New York  
Donald P. Dise

DATE OF DOCUMENT b

11/1/77

DATE RECEIVED

11/4/77

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☒ UNCLASSIFIED

**PROP**

## INPUT FORM

NUMBER OF COPIES RECEIVED

I signed

### DESCRIPTION

Re 10-27-77 meeting

**ENCLOSURE**

Consists of information concerning relief valve actuation for Nine Mile Point Unit No. 1

PLANT NAME : Nine Mile Point Unit No. 1  
RJL 11/7/77 (2-P)

## SAFETY

**FOR ACTION/INFORMATION**

## ENVIRONMENTAL

	ASSIGNED AD:	
X	BRANCH CHIEF: (7)	LEAF
	PROJECT MANAGER:	
	LIC. ASST:	

ASSIGNED AD: V. MOORE (LTR)

**BRANCH CHIEF:**

**PROJECT MANAGER:**

LIC. ASST:

**B. HARLESS**

## INTERNAL DISTRIBUTION

REG FILES		SYSTEMS SAFETY		PLANT SYSTEMS		SITE SAFETY &
NRC PDR		R. MATTSON	X	TEDESCO		ENVIRON ANALYSIS
I & E (2)		SCHROEDER		BENAROYA		DENTON & MULLER
OELD			X	IATNAS		CRUTCHFIELD
GOSSICK & STAFF		ENGINEERING		IPPOLITO		
HANAUER	X	KNIGHT		F. ROSA		ENVIRON TECH
MIPC		BOSNAK				ERNST
CASE	X	SIHWEIL		OPERATING REACTORS		BALLARD
ROYD		PAWLICKI		STELLO		YOUNGBLOOD
DeYoung			X	EISENHUT		
PROJECT MANAGEMENT		REACTOR SAFETY	XXX	SHAO		SITE TECH
SKOVHOLT		ROSS	XXX	BAER		GAMMILL (2)
P. COLLINS		NOVAK	X	BUTLER (2)		
HOUSTON		ROSZTOCZY		GRIMES		SITE ANALYSIS
MELTZ		CHECK				VOLLMER
HEITEMES						BUNCH
SK		AT & I				J. COLLINS
		SALTZMAN				KREGER
Guibert		RUTBERG				

## EXTERNAL DISTRIBUTION

**CONTROL NUMBER**

LPDR: Oswego, N.Y.	NAT LAB:
TIC	
NSIC	
REG V (J. HANCHETT)	
16 CYS SENT CATEGORY	TO ACBS

773110107



REGULATORY DOCKET FILE COPY

NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD, WEST  
SYRACUSE, N. Y. 13202

November 1, 1977

Director, Nuclear Reactor Regulation  
Attn: Mr. George Lear, Chief  
Operating Reactors  
Branch #3  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555



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

Gentlemen:

On October 18, 1977 Niagara Mohawk notified the Office of Inspection and Enforcement, Region I, of a potentially reportable condition relating to relief valve actuation for Nine Mile Point Unit 1. Since then a meeting was held on October 27, 1977 with members of the Nuclear Regulatory Commission and the Mark I Owners Group in Bethesda, Maryland. The purpose of that meeting was to discuss the effects on the Mark I containment.

General Electric has made a survey of operating experience which indicates that many isolation events (greater than 100) have occurred both during normal operation and start up tests. The survey showed that in only two (2) cases has greater than one (1) valve experienced 2nd actuation. No evidence of detrimental effects on the suppression chamber have been observed.

General Electric's analysis for Nine Mile Point Unit 1 showed that there is no safety concern even if three (3) valves experience a second actuation. The Mark I Containment Short Term Program acceptance criteria strength ratio of 0.5 was used as a guideline. The strength ratio for the highest stressed portion of the suppression chamber support structure (inner column) was 0.2. In addition, the shell stress was only 3.73 ksi.

773110107



Mr. George Lear  
U. S. Nuclear Regulatory Commission

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November 1, 1977

Continued operation of Nine Mile Point Unit 1 is justified throughout the duration of the Long Term Program. Such operation will not result in undue risk to the health and safety of the public.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION



Donald P. Dise  
Vice President-Engineering

MGM/szd

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PROCESSING UNIT

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