NRC FORM 195 (2-76)			U.S. NUCLEAR REGULATORY CO				DOCKET NUMBER	
NRC DISTRIBU	101TL	V FOR PAR	T 50 DOCK	ET MA	TERIAL	FILE	NUMBER	
ው :		FROM:		,	DATE	OF DOCUMENT		
Mr. George Lear			Niagara Mohawk Power Corp. Syracuse, New York Donald P. Dise				11/1/77	
						DATE	RECEIVED 11/4/77	
			PROP INPUT FORM		INPUT FORM	NUMBER OF COPIES RECEIVED		
MORIGINAL MUNCLASSIFIED						6:000		
ESCRIPTION Re 10-2:	2-77	neetii	~9	EN	CLOSURE		Signed	
7,0								
Consists of informat	tion	concernin	g					
relief valve actuați	ion f	or Nine M	ile	-				
Point Unit No. 1					•			
•								
			,				•	
		1						
		•						
					•			
						-		
OLANT NAME . M Mar.	- D-1		. 1			i i		
PLANT NAME: Nine Mile	e Poi 11/7/		0• 1 (2⊷P)					
D TI 7		11	(Zmr)					
. RJL 1	L1///		(/		•			
•					ORMATION ENVIRO	NMENTA	L	
SAFETY ASSIGNED AD:					100000000000000000000000000000000000000		L RE (LTR)	
SAFETY ASSIGNED AD: BRANCH CHIEF: (7)		Leau	FOR ACTIO		100000000000000000000000000000000000000			
SAFETY ASSIGNED AD: BRANCH CHIEF: (7) PROJECT MANAGER:		Leav	FOR ACTIO		ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER:			
SAFETY ASSIGNED AD: BRANCH CHIEF: (7)		Leav	FOR ACTIO		ASSIGNED AD: BRANCH CHIEF:			
SAFETY ASSIGNED AD: BRANCH CHIEF: (7) PROJECT MANAGER:		Leau	FOR ACTIO		ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST:			
SAFETY ASSIGNED AD: BRANCH CHIEF: (7) PROJECT MANAGER:		Leav	FOR ACTIO	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS			
SAFETY ASSIGNED AD: BRANCH CHIEF: (7) PROJECT MANAGER: LIC. ASST:		Leau	FOR ACTIO	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION	V. MOO		
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR			FOR ACTION INTERNATE SAFETY	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS	V. MOO	RE (LTR) TE SAFETY & VIRON ANALYSIS	
SAFETY ASSIGNED AD: BRANCH CHIEF: (1) PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2)		SYSTEMS	FOR ACTION INTERNATE SAFETY	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA	V. MOO	RE (LTR) TE SAFETY & VIRON ANALYSIS NTON & MULLER	
SAFETY ASSIGNED AD: BRANCH CHIEF: (1) PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD		SYSTEMS R. MATTS SCHROEDI	FOR ACTION INTERNATED SAFETY SON	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS	V. MOO	RE (LTR) TE SAFETY & VIRON ANALYSIS	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF		SYSTEMS R. MATTS SCHROEDI	FOR ACTION INTERNATED SAFETY SON	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO	V. MOO	TE SAFETY & VIRON ANALYSIS NTON & MULLER	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E 2 OELD GOSSICK & STAFF HANAUER		SYSTEMS R. MATTS SCHROEDI ENGINEEI	FOR ACTION INTERNATED SAFETY SON	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS	V. MOO	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC		SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK	FOR ACTION INTERNATED SAFETY SON ER	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA	V. MOO	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD VIRON TECH	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E 2 OELD GOSSICK & STAFF HANAUER MIPC CASE BOYD		SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT	FOR ACTION INTERNATED SAFETY SON ER	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO	V. MOO	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD	
SAFETY ASSIGNED AD: BRANCH CHIEF: (7) PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD DCYONNO		SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK	FOR ACTION INTERNAL SAFETY SON ER	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT	SI EN DE CF EN EN	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD VIRON TECH UNST LLARD UNGBLOOD	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT		SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK	FOR ACTION INTERNAL SAFETY SON ER	DN/INF	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO	SI EN CE EN EN CF	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD VIRON TECH NST LLARD UNGBLOOD	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT		SYSTEMS R. MATTS SCHROEDI ENGINEEL KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS	FOR ACTION INTERNAL SAFETY SON ER	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER	SI EN CE EN EN CF	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD VIRON TECH UNST LLARD UNGBLOOD	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS		SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK	INTERNA SAFETY SON ER RING	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	V. MOO SI EN ER YO SI GA	TE SAFETY & VIRON ANALYSIS NTON & MULLER VIRON TECH NST LLARD UNGBLOOD TE TECH MMILL (2)	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON		SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK ROSZTOC	INTERNA SAFETY SON ER RING	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER	SI EN CE EN EN EN SI GA	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD VIRON TECH NST LLARD UNGBLOOD TE TECH MMILL (2)	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON MELTZ		SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK	INTERNA SAFETY SON ER RING	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	SI EN CR EN EN SI VI SI	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD VIRON TECH UNST LLARD UNGBLOOD TE TECH MMILL (2) TE ANALYSIS	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON		SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK ROSZTOC	INTERNA SAFETY SON ER RING	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	SI EN CE EN SI	TE SAFETY & VIRON ANALYSIS NTON & MULLER VIRON TECH NST LLARD VIRON TECH NST LLARD VIRON TECH MMILL (2)	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON MELTZ HELTEMES SK		SYSTEMS R. MATTS SCHROEDS ENGINEES KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK ROSZTOC: CHECK AT & I SALTZMAS	INTERNA SAFETY SON ER RING SAFETY ZY	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	SI EN CF EN SI	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD VIRON TECH UNGBLOOD TE TECH MMILL (2) TE ANALYSIS LLMER UNCH	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON MELTZ HELTEMES	×	SYSTEMS R. MATTS SCHROEDS ENGINEED KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK ROSZTOCS CHECK AT & I SALTZMAN RUTBERG	INTERNA SAFETY SON ER RING SAFETY ZY	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	SI EN CF EN SI	TE SAFETY & VIRON ANALYSIS NTON & MULLER VIRON TECH NST LLARD UNGBLOOD TE TECH MMILL (2) TE ANALYSIS LLMER UNCH COLLINS EGER	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON MELTZ HELTEMES SK	×	SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK ROSZTOCS CHECK AT & I SALTZMAI RUTBERG EXTERNAL	INTERNA SAFETY SON ER RING SAFETY ZY	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	SI EN CF EN SI	TE SAFETY & VIRON ANALYSIS NTON & MULLER UTCHFIELD VIRON TECH INST LLARD UNGBLOOD TE TECH MMILL (2) TE ANALYSIS LLMER INCH COLLINS	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON MELTZ HELTEMES SK	×	SYSTEMS R. MATTS SCHROEDS ENGINEED KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK ROSZTOCS CHECK AT & I SALTZMAN RUTBERG	INTERNA SAFETY SON ER RING SAFETY ZY	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	SI EN CF EN SI	RE (LTR) TE SAFETY & VIRON ANALYSIS NTON & MULLER VIRON TECH NST LLARD VIRON TECH MMILL (2) TE TECH MMILL (2) TE ANALYSIS LLMER VIRON VIRON TECH MMILL (2) TE ANALYSIS LLMER VIRON VIRON TECH MMILL (2)	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON MELTZ HELTEMES SK LPDR: OSUNCEGO N TIC	×	SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK ROSZTOCS CHECK AT & I SALTZMAI RUTBERG EXTERNAL	INTERNA SAFETY SON ER RING SAFETY ZY	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	SI EN CF EN SI	TE SAFETY & VIRON ANALYSIS NTON & MULLER OUTCHFIELD VIRON TECH INST LLARD OUNGBLOOD TE TECH IMMILL (2) TE ANALYSIS OLLMER INCH COLLINS REGER CONTROL NUMBER	
SAFETY ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: REG FILES NRC PDR I & E (2) OELD GOSSICK & STAFF HANAUER MIPC CASE ROYD PROJECT MANAGEMENT SKOVHOLT P. COLLINS HOUSTON MELTZ HELTEMES SK	×	SYSTEMS R. MATTS SCHROEDI ENGINEEI KNIGHT BOSNAK SIHWEIL PAWLICK REACTOR ROSS NOVAK ROSZTOCS CHECK AT & I SALTZMAI RUTBERG EXTERNAL	INTERNA SAFETY SON ER RING SAFETY ZY	L DIST	ASSIGNED AD: BRANCH CHIEF: PROJECT MANAGER: LIC. ASST: B. HARLESS RIBUTION PLANT SYSTEMS TEDESCO BENAROYA LAINAS IPPOLITO F. ROSA OPERATING REACTORS STELLO EISENHUT SHAO BAER BUTLER (2.)	SI EN CF EN SI	TE SAFETY & VIRON ANALYSIS NTON & MULLER VIRON TECH NST LLARD UNGBLOOD TE TECH MMILL (2) TE ANALYSIS LLMER UNCH COLLINS EGER	

-· ·

REGULATORY DOCKET FILE COPY

NIAGARA MOHAWK POWER CORPORATION



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

and to town

.

•

Mr. George Lear U. S. Nuclear Regulatory Commission

Page Two 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

RECEIVED DOCUMENT PROCESSING UNIT

1977 NOV 4 PM 2 50