

50-220

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Mr Lear

FROM: Niagara Mohawk Pwr Corp
Syracuse, NY
G K Rhode

DATE OF DOCUMENT
10-1-76

DATE RECEIVED 10-4-76

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DESCRIPTION

Ltr re our 9-14-76 ltr...furnishing info concerning potential missile damage from solid catwalk.....

ENCLOSURE

PLANT NAME: Nine Mile Pt #1

~~DO NOT REMOVE~~
ACKNOWLEDGED

SAFETY

FOR ACTION/INFORMATION

ENVIRO

10-6-76

ehf

ASSIGNED AD:

ASSIGNED AD:

BRANCH CHIEF:

Lear (5)

BRANCH CHIEF:

PROJECT MANAGER:

Gilbert

PROJECT MANAGER:

LIC. ASST.:

Parrish

LIC. ASST.:

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
<input checked="" type="checkbox"/> NRC PDR	HEINEMAN	TEDESCO	ENVIRO ANALYSIS
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	DENTON & MULLER
<input checked="" type="checkbox"/> OELD		LAINAS	
<input checked="" type="checkbox"/> GOSSICK & STAFF	ENGINEERING	IPPOLITO	ENVIRO TECH.
<input checked="" type="checkbox"/> MIPC	MACCARRY	KIRKWOOD	ERNST
<input checked="" type="checkbox"/> CASE	KNIGHT		BALLARD
<input checked="" type="checkbox"/> HANAUER	SINWEIL	OPERATING REACTORS	SPANGLER
<input checked="" type="checkbox"/> HARLESS	PAWLICKI	STELLO	
			SITE TECH.
<input checked="" type="checkbox"/> PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	GAMMILL
<input checked="" type="checkbox"/> BOYD	ROSS	EISENHUT	STEPP
<input checked="" type="checkbox"/> P. COLLINS	NOVAK	SHAO	HULMAN
<input checked="" type="checkbox"/> HOUSTON	ROSZTOCZY	BAER	
<input checked="" type="checkbox"/> PETERSON	CHECK	BUTLER	SITE ANALYSIS
<input checked="" type="checkbox"/> MELTZ		GRIMES	VOLLNER
<input checked="" type="checkbox"/> HELTEMES	AT & I		BUNCH
<input checked="" type="checkbox"/> SKOVHOLT	SALTZMAN		J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

<input checked="" type="checkbox"/> LPDR: <i>Dowdy, NY</i>	NAT LAB:	BROOKHAVEN NAT LAB
<input checked="" type="checkbox"/> TIC:	REG. VIE	ULRIKSON(ORNL)
<input checked="" type="checkbox"/> NSIC:	LA PDR	
<input checked="" type="checkbox"/> ASLB:	CONSULTANTS	
<input checked="" type="checkbox"/> ACRS / <i>6 CYS HOLDING/SENT</i>	<i>to LA Parrish</i>	

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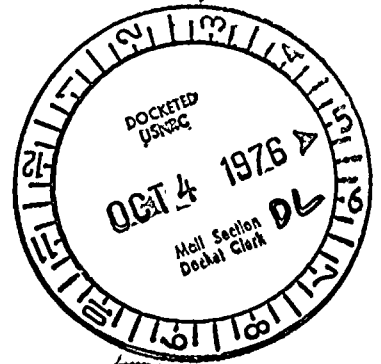
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Regulatory Docket File

NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST
SYRACUSE, N. Y. 13202



October 1, 1976

Director of 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

Dear Mr. Lear:


This is in response to your September 14, 1976 letter which requested an analysis of potential missile damage from the solid catwalk at Nine Mile Point Unit 1. Analyses performed by General Electric and Teledyne Materials Research established that the hypothetical instantaneous double-ended break of a 16 inch diameter or larger pipe would be required to provide sufficient energy to potentially cause the catwalk to act as a missile. The only piping in that category at Unit 1 are the Main Steam and Reactor Recirculation lines.

The probability of this 16 inch or greater hypothetical pipe break occurring is very conservatively calculated at 4×10^{-5} per year. This figure is based on available data for pipe breaks of 6 inches or greater, and is therefore quite conservative.

Our July 23, 1976 letter to the Commission committed to removal of the solid catwalk during the scheduled Spring, 1977 refueling outage. Since this outage is only about six months away, the very low probability stated above would be reduced even further, by about a factor of two. Therefore, Nine Mile Point Unit 1 can be operated, without any undue hazard to the public health and safety, until the scheduled outage.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION


GERALD K. RHODE
Vice President - Engineering

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