

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO:  
  
Mr. George Lear

FROM:  
Niagara Mohawk Power Corp.  
Syracuse, New York  
Mr. Gerald K. Rhode

DATE OF DOCUMENT  
11/30/76  
DATE RECEIVED  
12/8/76.

LETTER  
 ORIGINAL  
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PROP

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DESCRIPTION

Ltr. w/attached....re their 10/18/76 ltr. and our 8/11/76 ltr....concerning degraded grid voltage condition.

(2-P)

PLANT NAME:  
  
Ninr Mile Point #1

ENCLOSURE

ACKNOWLEDGED

DO NOT REMOVE

SAFETY FOR ACTION/INFORMATION ENVIRO 12/8/76 RJL

ASSIGNED AD:

BRANCH CHIEF: Lear (S)

PROJECT MANAGER: Nowicki

LIC. ASST. : Parrish

ASSIGNED AD:

BRANCH CHIEF:

PROJECT MANAGER:

LIC. ASST. :

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (2)

OELD

GOSSICK & STAFF

MIPC

CASE

HANAUER

HARLESS

PROJECT MANAGEMENT

BOYD

P. COLLINS

HOUSTON

PETERSON

MELTZ

HELTEMES

SKOVHOLT

SYSTEMS SAFETY

HEINEMAN

SCHROEDER

ENGINEERING

MACARRY

KNIGHT

SIHWEIL

PAWLICKI

REACTOR SAFETY

ROSS

NOVAK

ROSZTOCZY

CHECK

AT & I

SALTZMAN

RUTBERG

PLANT SYSTEMS

TEDESCO

BENAROYA

LAINAS

IPPOLITO

KIRKWOOD

OPERATING REACTORS

STELLO

OPERATING TECH.

EISENHUT

SHAO

BAER

BUTLER (3)

GRIMES

SITE SAFETY &

ENVIRO ANALYSIS

DENTON & MULLER

ENVIRO TECH.

ERNST

BALLARD

SPANGLER

SITE TECH.

GAMMILL

STEPP

HULMAN

Verduzky

SITE ANALYSIS

VOLLMER

BUNCH

J. COLLINS

KREGER

EXTERNAL DISTRIBUTION

LPDR: Oswego, N. Y.

TIC:

NSIC:

ASLB:

ACRS 16 CYS -HOLDING/SENT : Car. B. (12/8/76)

NAT. LAB:

REG V.IE

LA PDR

CONSULTANTS:

BROOKHAVEN NAT. LAB.

ULRIKSON (ORNL)

CONTROL NUMBER

T. omby  
12292

25

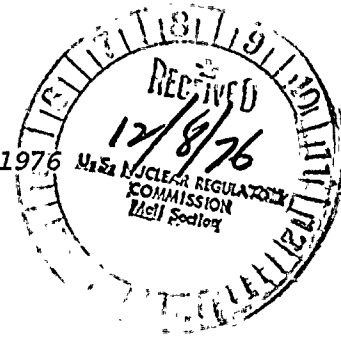
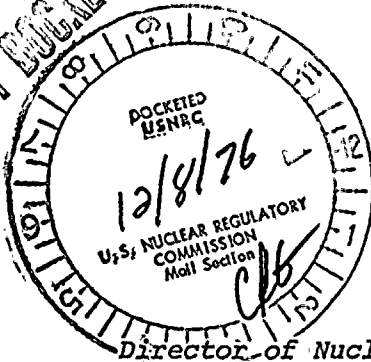
NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST  
SYRACUSE, N. Y. 13202

November 30, 1976

REGULATORY DOCKET FILE COPY



Director of Nuclear Reactor Regulation  
Attn: Mr. George Lear, Chief  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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

Dear Mr. Lear:

My October 18, 1976 letter provided an analysis of Nine Mile Point Unit 1 during a degraded grid voltage condition. The attachment to this letter provides additional information describing a design modification to assure operation of equipment and associated controls during a degraded condition. This information completes our response to your August 11, 1976 letter.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

  
GERALD K. RHODE

Vice President - Engineering

12292

12292

/sz

Attachment

15



THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

5300 S. DICKINSON DRIVE  
CHICAGO, ILL. 60637

1972

Question No. 4

Provide a description of any proposed actions or modifications to your facility based on the results of the analyses performed in response to items 1-3 above.

Response

Two additional undervoltage relays will be installed on each 4160 volt powerboard (powerboards 102 and 103). The new relays will have inverse time and fast reset time characteristics. The set point of each relay will be 3600 volts. This is the minimum operating voltage level for the 4000 volt motors. The logic scheme for the new undervoltage relays will be the same as the existing undervoltage relays described in Response 2 of the October 18, 1976 letter. The existing undervoltage relays with the present setting of 3257 volts will be retained to provide backup protection for the new undervoltage relays. The modification will be installed during the Spring, 1977 refueling outage.

