

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8210040182      DOC. DATE: 82/09/27      NOTARIZED: NO      DOCKET #  
 FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe      05000220  
 AUTH. NAME      AUTHOR AFFILIATION  
 LEMPGES, T.E.      Niagara Mohawk Power Corp.  
 RECIP. NAME      RECIPIENT AFFILIATION  
 VASSALLO, D.B.      Operating Reactors Branch 2

SUBJECT: Forwards "Nine Mile Point Unit 1 Station Power Distribution Sys (Class IE) Load Study & Field Test," in response to NRC 810202 request. Required motor rewinding & cable replacement will be performed during next scheduled refueling outage.

SEE REPTS. # 8210040183

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September 27, 1982

Director, Nuclear Reactor Regulation  
Attn: Mr. Domenic B. Vassallo, Chief  
Operating Reactors Branch No. 2  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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

Gentlemen:

Your letter dated February 2, 1981 requested information regarding the station electric distribution system at Nine Mile Point Unit 1. Attachment 1, "Nine Mile Point Unit 1 Station Power Distribution System (Class 1E) Load Study and Field Test" describes the testing performed during the 1981 refueling outage. As discussed with members of your staff, this information replaces our previous submittals on this subject.

As indicated in the attached report, test results indicate that certain 575 volt motors may be required to operate on voltage levels as low as 495 volts. These 575 volt motors will be rewound for 550 volt operation. These motors will then be capable of operating at 495 volts which is the minimum operating voltage for motors rated at 550 volts. Additionally, analysis of cable loadings indicates that certain cable runs exhibit large voltage drops. Both motor rewinding and cable replacement will be performed during the next scheduled refueling outage.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

*Thomas E. Lempges*

Thomas E. Lempges  
Vice President - Nuclear Generation

MGM/kmb  
Attachment

A015

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PDR ADCK 05000220  
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