



NIAGARA MOHAWK POWER CORPORATION/301 PLAINFIELD ROAD, SYRACUSE, N.Y. 13212/TELEPHONE (315) 474-1511

April 16, 1990
NMPIL 0491

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

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

Gentlemen:

Our letter of April 13, 1989 (NMPIL 0384) provided an assessment of Nine Mile Point Unit 1's ability to withstand and recover from a station blackout (SBO) in accordance with the requirements of 10CFR50.63. Included within this assessment was an evaluation of the 125 VDC Class 1E batteries ability to meet SBO loads, for the SBO duration of four hours. The results of our evaluation indicated that the 125 VDC Class 1E batteries were inadequate to meet the required SBO loads. However, we stated that an analysis was being performed of station battery loads to determine if additional load stripping will allow Nine Mile Point Unit 1 to meet SBO loads for four hours or whether additional capacity is required. This letter provides the results of our analysis.

Since the completion of our original evaluation, we have installed two (2) new Class 1E station batteries that are significantly larger than the original batteries (2320 Ampere Hour vs. 1500 Ampere Hour nominal rating). Additionally, Special Operating Procedure No. N1-SOP-18, "Station Blackout", has been issued to include battery load shedding and initiation of 125 VDC System restoration in the event of a loss of offsite power with failure of both emergency diesel generators.

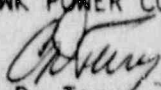
9004250188 900416
PDR ADOCK 05000220
P PDC

A050
1/0

As a result of the above changes, our reanalysis now indicates that 125 VDC Class 1E batteries No. 11 and 12 are adequate to meet the required SBO loads for the four hour coping duration, with no operator action assumed for the first 30 minutes. According to procedure N1-SOP-18 however, DC load shedding is accomplished within 15 minutes after the initiation of a station blackout. The fifteen minute time period is consistent with operator action response times required to meet the Appendix R Analysis for Nine Mile Point Unit 1.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION


C. D. Terry

Vice President

Nuclear Engineering and Licensing

DJW/sek
2104b

xc: Regional Administrator, Region I
Mr. R. A. Capra, Director
Mr. R. E. Martin, Project Manager
Mr. W. A. Cock, Resident Inspector
Records Management