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 FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe      05000220  
 AUTH. NAME      AUTHOR AFFILIATION  
 MANGAN, C. V.      Niagara Mohawk Power Corp.  
 RECIP. NAME      RECIPIENT AFFILIATION  
 ZWOLINSKI, J. A.      BWR Project Directorate 1

SUBJECT: Informs of design discrepancy in emergency lighting sys. Part 21 reportability requirements not applicable based on limited nature of discrepancies. Lights will be modified by B70501 to initiate upon loss of normal lighting in area.

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September 17, 1986  
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Director of Nuclear Reactor Regulation  
Attention: Mr. John A. Zwolinski, Project Director  
BWR Project Directorate Number 1  
Division of BWR Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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

Dear Mr. Zwolinski:

This letter is to inform you of a design discrepancy in the Nine Mile Point Unit 1 D.C. emergency lighting system. This condition has been evaluated for 10CFR21 reportability. The evaluation has concluded that the reportability requirements of Part 21 do not apply in this case, since there is no substantial safety hazard involved as defined in Part 21. This conclusion was based on the limited nature of the discrepancies, the alternatives in the event of failure of the D.C. emergency lights and the non-safety related classification of the system.

Although this condition is not reportable under Part 21, Niagara Mohawk Power Corporation would like to inform you of it. Emergency lights powered by D.C. battery packs were installed at Nine Mile Point Unit 1 in accordance with our Fire Hazard Analysis, which was based on the guidance found in the Standard Review Plan 9.5.1. After the January 1985 Appendix R inspection, additional D.C. emergency lights were installed to improve illumination in safe shutdown areas and routes to and from those areas.

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During field walkdowns, we discovered that a portion (about 20%) of our D.C. emergency lights receive their automatic initiation signal by monitoring A.C. lighting circuits different than the circuits that power the normal lighting in the specific area. Therefore, some of these lights may not go on when power to the normal lighting in the area is lost. To supplement our D.C. emergency lights, portable hand held lanterns are stored in each fire department cabinet for use by maintenance and operations personnel. In addition, we plan to modify the lights of concern by May 1, 1987 so that they initiate upon loss of normal lighting in the area.

Sincerely,

NIAGARA MOHAWK POWER CORPORATION

*C. V. Mangan*

C. V. Mangan  
Senior Vice President

DAC:bd  
7128I

cc: Regional Director  
U.S. Nuclear Regulatory Commission  
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