NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

October 25, 1982

Mr. R. W. Starostecki, Director
Division of Project and Resident Programs
U. S. Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, PA 19406

Re: Nine Mile Point Unit 2
Docket No. 50-410

Dear Mr. Starostecki:

Enclosed is an interim report in accordance with 10CFR50.55(e) for the potential deficiency regarding equipment qualification of the High Pressure Core Spray (HPCS) Diesel Generator. This condition was reported to Mr. Walter Baunack of the Region 1 Office on Thursday, August 5, 1982 and was followed by a 30-day interim report on August 31, 1982.

Very truly yours,

Niagara Mohawk Power Corporation

Charles V. Mangan

Charles V. Mangan
Vice President
Nuclear Engineering & Licensing

CVM:TL:bjs
Enclosure

xc: 1) R. D. Schulz, Resident Inspector
2) Director of Inspection & Enforcement
United States Nuclear Regulatory Commission
Washington, DC 20555

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NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT - UNIT 2
DOCKET NO. 50-410

Interim Report Regarding
High Pressure Core Spray (HPCS) Diesel Generator
Qualification Documentation

Description of the Deficiency

NMPC conducted a QA review of the qualification documentation for the HPCS Diesel Generator System at GE-NEG in San Jose, CA, during the week of June 28, 1982. The following conditions were observed:

1. During the production test of the High Pressure Core Spray (HPCS) diesel generator, the ambient temperature of 122°F (50°C) specified in the purchase specification data sheet, GE Document No. 21A9236CB, was not attained. The ambient temperature during the testing did not exceed 96°F (35.5°C) at any time. Paragraphs 5.2.3.1 and 5.2.3.6 of IEEE 323-1971 require testing to the extremes of service conditions.

2. The Vibration Test Data, required by GE Document No. 21A9236, Paragraph 5.1.1.b, to show the unit is free of excessive vibration during operation, was not included in the test report.

3. The test report does not include the following items required by IEEE 323-1971:

    a) The variables to be measured including accuracies (paragraph 5.2.3.2)

    b) The number, type, and location of test monitors for each variable (paragraph 5.2.3.3)

    c) The range, sequence, and combinations of environments to simulate the design bas s event (paragraph 5.2.3.6)

    d) Equipment mountings relative to performance (paragraph 5.2.3.7)

    e) Cable connections and other required appurtenances (paragraph 5.2.3.8)

    f) Summary, conclusions, and recommendations (paragraph 5.2.4.6)

Description of the Deficiency (Continued)

4. Seismic analysis of the skid assembly does not clearly demonstrate operability of the assembly during and after a seismic event. Although the analysis of the components covered in the reports is comprehensive, there are apparent omissions. As an example, no analysis or justification for omitting the analysis for the starter solenoid valve is provided.

Analysis Of Safety Implications

The HPCS Diesel Generator is located in a mild environment. Based on engineering judgement, it is believed that the HPCS Diesel Generator will be adequate for the environmental conditions postulated. However, documentation has not yet been provided to meet the above requirements for qualification of the HPCS Diesel Generator.

If the HPCS Diesel Generator does not perform as designed during the postulated environmental or seismic conditions, a portion of the Emergency Core Cooling System would become inoperable.

Corrective Actions

This matter is still under investigation, and a response will be submitted by January 31, 1983.