



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

SAMUEL F. MANNO  
VICE PRESIDENT  
NUCLEAR CONSTRUCTION

September 23, 1983  
(7461)

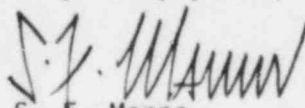
Mr. R. W. Starostecki, Director  
U.S. Nuclear Regulatory Commission  
Region I  
Division of Project and Resident Programs  
631 Park Avenue  
King of Prussia, PA 19406

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

Dear Mr. Starostecki:

Enclosed is a 30-day interim report in accordance with 10CFR50.55(e) for the problem concerning 40-mil, 1000-V, fire-resistant control cable supplied by the Kerite Company. This condition was reported via telecon to R. Gallo of your staff on August 29, 1983.

Very truly yours,

  
S. F. Manno

SFM/MS:ja  
Enclosure  
xc: Director of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Mr. R. Gramm, Resident Inspector

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

Interim Report for a Problem  
Concerning Kerite Control Cable

Description of the Problem

The problem relates to certain Category I applications (i.e., inside primary containment) of 40-mil, 1000-V, fire-resistant control cable supplied by the Kerite Company.

The qualification of the cable in question was based on a test summary for a cable with a 50-mil insulation thickness exposed to a loss-of-coolant accident (LOCA) profile that exceeded the requirements for Nine Mile Point Unit 2. This test summary also stated that based on an Arrhenius analysis, the test cycle provided a 60 percent margin above that called for in Nine Mile Point Unit 2 specifications. Based on the above, it was concluded that a cable with 40-mil insulation thickness qualifies for the Nine Mile Point Unit 2 environment.

In a letter dated July 13, 1983, Kerite indicated that the basis of qualification supplied earlier may not provide the desired evidence that the cable qualifies for the environment inside the primary containment. Kerite also submitted Environmental Qualification Report No. 756026 for an identical fire-resistant cable with 40-mil insulation wall thickness. The LOCA accident profile used in this report reaches a maximum temperature of 300 F. Nine Mile Point Unit 2 requirement is for a maximum temperature of 340 F. The aged samples used in the report failed to meet IEEE 383 requirements for the post-LOCA voltage withstand test.

This matter is still under investigation, and a final report will be submitted by December 15, 1983.