



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

July 10, 1986
(NMP 0775)

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 final report, in accordance with 10CFR50.55(e), for the problem concerning Category I components in a non-Category I stair tower. This problem was reported via telecon to G. Meyer of your staff on June 10, 1986.

Very truly yours,

T. E. Lempges
Vice President
Nuclear Generation

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1824G

Enclosure

xc: Director of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

W. A. Cook, Resident Inspector

Project File (2)

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

Final Report for a Problem
Concerning Category I Components in a Non-Category I Stair Tower
(55(e)-86-11)

Description of the Problem

NRC Violation 86-09-46 stated that Class 1E conduits were routed in the reactor building stair tower which is a non-Category I structure. Further investigation indicated that five Class 1E electrical conduits, three junction boxes, and two Quality Assurance Category I tubing runs have been installed in the reactor building stair tower. These tubing runs are used to supply air samples from heating, ventilation and air conditioning ducts in the reactor building to the radiation monitors. The conduits are used to route cables for resistance temperature detector circuits associated with heat tracing for the tubing runs. The tubing and conduit are attached to the QA Category I reactor building.

Analysis of Safety Implications

The non-Category I reactor building stair tower structure could have failed during a seismic event. A failure of the stair tower could have damaged the subject Class 1E/Category I components. As a result, the function of the radiation monitors to isolate the reactor building ventilation system on high radiation levels in the effluent stream could have been compromised. Therefore, had this condition remained uncorrected, it could have adversely affected the safety of operations of the plant.

Corrective Action

The stair tower will be braced in accordance with Engineering and Design Coordination Report No. Y18141 to resist seismic forces. The work will be completed prior to fuel load.

In the response to the subject violation (86-09-46), we had committed to provide the results of the review to determine if any other Category I equipment is located in non-Category I areas. This review identified one additional area where functioning of Category I components could have been affected by the failure of adjacent non-Category I structures/components. This area has been evaluated and the corrective action will be implemented in accordance with Engineering and Design Coordination Report Nos. Y21402A, Y21441, Y21442 and M50009 and Nonconformance and Disposition Report No. 16719. The corrective action includes providing shielding for the Category I components and rerouting of the conduits. The work will be completed prior to fuel load. In addition, other Category I components in non-Category I areas were identified and evaluated. The evaluation confirmed that the original design/functioning of these components would not have been affected by the failure of adjacent non-Category I structures/components.