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AUTH.NAME AUTHOR AFFILIATION
RHODE,G.K. Niagara Mohawk Power Corp.
RECIP.NAME RECIPIENT AFFILIATION
CARLSON,R.T. Region 1, Philadelphia, Reactor Construction & Engineeri

SUBJECT: Final interim deficiency rept,originally reported on 801205, re handling & rigging of safety-related equipment.Site procedures to implement requirements for handling & rigging of safety-related equipment inadequate.

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TITLE: Construction Deficiency Report (10CFR50.55E)

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NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MEMORANDUM FOR: TERA CORPORATION

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NIAGARA MOHAWK

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

January 26, 1981

Office of Inspection and Enforcement
Region I
Attn.: Mr. R. T. Carlson, Chief Reactor
Construction and Engineering Support Branch
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Carlson:

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

Your staff was notified of a potential 50.55(e) deficiency on December 5, 1980, involving the handling and rigging of safety related equipment at the Nine Mile Point Unit 2 site. Attached is a final report in accordance with the requirement of paragraph 50.55(e)(3) of 10CFR50.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

Gerald K. Rhode
Vice President
System Project Management

PEF/kmb
Attachment
cc: Director of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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Final Report

Potential Reportable 50.55(e)

Deficiency Involving Handling and

Rigging of Safety Related Equipment

Niagara Mohawk Power Corporation

Nine Mile Point Unit 2

Docket No. 50-410

Description of the Deficiency

The Quality Assurance Program for Nine Mile Point Unit 2 is committed to meeting the requirements of ANSI N45.2.2-1972 for packaging, shipping, receiving, storage and handling of safety related equipment. Site procedures to implement the requirements of ANSI N45.2.2-1972 for handling and rigging of safety related equipment were inadequate in that:

1. The program identified only those safety related items which required special handling due to weight, size, shape or accessibility. There was no evidence that other physical characteristics, as identified in ANSI N45.2.2, were considered to identify additional safety related equipment which required special handling.

2. Although procurement specifications for safety related equipment requested Special Handling Instruction for equipment determined to require special handling in accordance with ANSI N45.2.2-1972, there was insufficient evidence that these Special Handling Instructions were being controlled and followed.

3. Quality Control Inspectors were only notified of rigging operations involving safety related equipment which weighed 25 tons or more or had an unusual size, shape or difficulty of accessibility.

Analysis of the Safety Implications

Although the site implementing procedure for the handling and rigging of safety related equipment did not meet all of the requirements of ANSI N45.2.2-1972, there is no evidence that unacceptable damage has occurred to safety related equipment presently on the site due to improper handling. The implementing procedure which was presently in effect was consistent with standard nuclear industry practice for handling and rigging.

Based on the above, there is insufficient basis to believe that the capability of safety related equipment to perform its intended safety function has been affected due to improper handling. Additionally, the changes outlined in the Corrective Action section will ensure that safety related equipment is properly handled in the future.

Corrective Action

The Nine Mile Point Unit 2 site implementing procedure for the handling and rigging of safety related equipment has been revised to assure that all safety related equipment which requires special handling is identified and that proper instructions are provided to appropriate personnel. This procedure is available for review at the Nine Mile Point Unit 2 construction site.

The major changes to the procedures are summarized below:

1. The Resident Engineer shall maintain a current list of Quality Assurance Category I specifications to which Special Handling Instructions are applicable. This list and any Special Handling Instructions shall be provided to the Rigging Supervisor and upon request to Field Quality Control.

2. Lifts for which a Special Handling Instruction is applicable are classified as Class A or B lifts which means the Rigging Supervisor is responsible for:

   a. Briefing all parties participating in an operation regarding their duties during the operation.

   b. Approving Contractor's rigging procedures and seeing that the necessary records are maintained.

   c. Notifying all involved personnel prior to performing any lifts or equipment and for Class A or B lifts (inspector is to be notified at least 8 hours prior to making a scheduled Class A or B lift).

   d. Knowledge about all applicable sellers manuals and Special Handling Instructions.

3. An Equipment Lift Record Card is prepared for Class B lifts which references applicable Special Handling Instructions.