JUL 2 6 1973

Docket No. 50-220

Niagara Mohawk Power Corporation
ATTN: Mr. Philip D. Raymond
Vice President - Engineering
300 Erie Boulevard West
Syracuse, New York 13202

Gentlemen:

To continue our review of two considerations related to Nine Mile Point Nuclear Station Unit 1, additional information is necessary. The two considerations under present review are: (a) the Quality Assurance program for plant operation, and (b) your proposed change to add an Access Platform to the refueling bridge structure.

Our letter to you dated May 21, 1973, requested that you submit within 90 days a description of your QA program responsive to current guides. To preclude unnecessary iterations in this matter, we have identified particular QA information which we need to complete our review. Therefore, you are requested to provide this additional information in your response to our May 21, 1973 letter or as an addition to that response. All of this information, including that previously requested, should be submitted by November 23, 1973.

Your proposed change to Nine Mile Point Unit 1 requested by letter dated January 11, 1973, involves adding an Access Platform to the refueling bridge structure to expedite the refueling operation and also improve personnel safety. Our review of this proposal has included a meeting on June 6, 1973, with your representatives to discuss structural and mechanical considerations related to this change. At this meeting, we indicated that we would require additional information. This additional information is identified in the enclosure. This information should be submitted within 45 days of the date of this letter in order for us to complete our review on a schedule compatible with your next refueling outage.

Please provide the requested additional QA information in three signed and notarized originals and thirty-seven additional copies. The requested additional information regarding the Access Platform should be provided in one signed original and thirty-nine copies.

Sincerely,

Original Signed by:
Dennis L. Ziemann

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Directorate of Licensing

Enclosure:
Request for Additional Information

cc w/enclosure:
J. Bruce MacDonald, Esquire
Deputy Commissioner and Counsel
New York State Department of Commerce and Counsel to the Atomic Energy Council
99 Washington Avenue
Albany, New York 12210

Arvin E. Upton, Esquire
LeBoeuf, Lamb, Leiby & MacRae
1821 Jefferson Place, N. W.
Washington, D. C. 20036

cc w/enclosure and NMP ltr dtd 1/11/73:
Dr. William Seymour
New York State Atomic Energy Council
New York State Department of Commerce
112 State Street
Albany, New York 12207

Oswego City Library
120 E. Second Street
Oswego, New York 13126

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DATE ▶	7/25/73	7/25/73	7/26/73			

NINE MILE POINT NUCLEAR STATION, UNIT 1

REQUEST FOR ADDITIONAL INFORMATION

A. QUALITY ASSURANCE PROGRAM FOR OPERATION

To complete our evaluation, we request the following information relative to the QA program for operations for Nine Mile Point 1.

1. Provide organizational charts and descriptions of the organizational structure which show and describe the corporate and plant organizational positions, individuals, and groups responsible for performing the QA functions as defined in Appendix B of 10 CFR 50 for the activities related to operation, maintenance, repair, modification, and refueling of the Nine Mile Point 1 station.

2. Provide a description of the responsibilities, authority, and independence of those individual positions or groups within Niagara Mohawk responsible for formulating, establishing, and implementing QA related policies, procedures, and instructions for the operational phase. Identify the organizational positions responsible for originating, reviewing, and approving the QA program policies, procedures, and instructions for operation, maintenance, repair, and modification activities. Include both corporate and station activities.

3. Define Niagara Mohawk's qualification requirements for the positions that manage or supervise the corporate and station QA activities.

4. Describe the duties, authority, and independence for the organizational positions and groups which perform review, inspection, and auditing activities for the QA functions in accordance with 10 CFR 50, Appendix B.

5. Provide a cross index chart or a listing which shows each QA program procedure with the applicable criteria of 10 CFR 50, Appendix B. Identify the responsible individual or group who originates, who reviews, and who approves each procedure.

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6. Provide a description of the major attributes, including purpose and scope, of those QA procedures which assure that the activities of operating, maintaining, repairing, and modifying the Nine Mile Point 1 station comply with the criteria of 10 CFR 50, Appendix B.

7. Provide a listing or tabulation of those structures, systems, and components which will be controlled by the QA program.

8. Identify and describe those provisions within the QA program which demonstrate compliance with the guidelines in Regulatory Guide 1.33, "Quality Assurance Program Requirements for Operations". Identify any exceptions and justify alternate proposals.

9. Describe the formal indoctrinational and training program which has been or will be established for all those personnel performing QA related activities which will assure proficiency of implementation of QA policies, procedures, and instructions. If the program does not already exist, provide a date for implementation.

10. Identify those individual position(s) or group(s) responsible for reviewing and approving the QA programs and QA manuals for contractors and vendors.

11. Describe the administrative controls (document control systems) which assure that the QA program policies, procedures, and instructions, including changes thereto, are distributed and implemented in a timely manner by the responsible individuals or groups for the activities related to the operation, maintenance, repair, and modification of the Nine Mile Point 1 station in accordance with 10 CFR 50, Appendix B.

12. Describe those procedures which identify quality related records to be retained, the retention period, the storage location, and the assigned responsibility.

13. Identify and describe those audits performed by corporate management which confirm independent evaluation and assurance of the QA program policies, activities, and procedures. The purpose of these audits is to assure effective, meaningful compliance with corporate policy and 10 CFR 50, Appendix B on a periodic, scheduled basis. Identify the organizational positions which will perform the audit, list report distribution, and state audit schedule.

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14. Identify and describe those independent, scheduled audits which provide a comprehensive verification and evaluation of all phases of the QA program activities and procedures to confirm on a continuous basis that a meaningful and effective QA program is in effect. Identify the organizational positions which will perform the audit, state audit schedule, and list report distribution.

B. THE ACCESS PLATFORM ADDITION TO THE REFUELING BRIDGE STRUCTURE

1. Since the Refueling Bridge Structure will be extensively remodeled and altered, provide the following:

   a. Design criteria which should include a list of design loads and load combination equations.

   b. Design methods.

   c. Limiting values of stresses and/or strains.

   d. List of codes, standards, and specifications used. Describe the areas of the design which exceed the minimum code requirements.

   e. List of structural materials used, including welding methods and codes required. Include the list of materials used in the retained portions of the original structure that will be included in the extensively remodeled gantry crane.

   f. Quality control methods to be used including fabrication and erection tolerances.

   g. Non-Destructive Examinations (NDE) to be performed during fabrication, final assembly, preoperation, and normal operation.

2. Since the mechanical arrangement of the monorail and the proposed access platform have added to and extensively altered the stability and load handling system used in the original crane structure, provide the following:

   a. State the performance requirements for gantry travel, trolley travel, monorail travel, and vertical lift for the maintenance platform. This should include all

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loadings and the individual and parallel loading conditions of the platform, monorail, or trolley and indicate which are used separately or in combination and the velocities involved.

b. Specifically state the standards, codes, and specifications used in design and manufacture (i.e., CMAA70-AISE-6, AISC). Indicate the areas of design or manufacture that exceed the minimum requirements of the standards used for the mechanical design of the access platform.

c. Define the operational control, emergency and safety features provided for the crane handling systems. This should include items such as brakes, limit switches, stops, bumpers, and fail clamps. State what occurs at time of power failure, inadvertent operation, and malfunction of the individual items of each of the crane handling systems.

d. An outline of the general operational procedures for the new gantry crane handling system.

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