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Docket No.: 50-410

Mr. Gerald K. Rhode  
Vice President, System Project Management  
Niagara Mohawk Power Corporation  
300 Erie Boulevard West  
Syracuse, New York 13202

EHylton IDinitz  
MHaughey WJones, QA  
ACRS (16) TBarnhart (4)  
ELJordan, DEQA:IE BPCotter, ASLBP  
JMTaylor, DRP:IE ARosenthal, ASLAP  
Bordenick, OELD FPagano  
DEisenhut/RPurple *Region I*  
LJHarmon, IE File (2)  
JSauder  
WMiller

Dear Mr. Rhode:

Subject: Order Extending Construction Completion Date for Nine Mile Point  
Nuclear Station, Unit 2

Your letter dated February 27, 1978, as amended by your letter of June 26, 1981 requested an extension of the latest construction completion date for Nine Mile Point Nuclear Station, Unit 2, to December 31, 1987. As a final step in completing our evaluation of your request, we recently discussed this date with members of your staff who affirmed that the December 31, 1987 date is consistent with your current status of construction and contingency needs. Accordingly, the Nuclear Regulatory Commission has issued an Order extending the completion date for Construction Permit CPPR-112 from July 31, 1978 to December 31, 1987.

A copy of the Order granting the extension and the staff's evaluation of your request are enclosed for your information. The Order has been forwarded to the Office of the Federal Register for publication.

Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc: See next page

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\*SEE ATTACHED PAGE FOR PREVIOUS CONCURRENCES

OFFICE	DL:LB#2/PM*	DL:LB#2/LA*	OELD	DL:LB#2/BC	DL:ADP	DL:DRP	
SURNAME	MHaughey:pt	EHylton	B Bordenick	ASchwencer	TNovak	DEisenhut	
DATE	2/01/83	2/01/83	2/15/83	2/16/83	2/15/83	2/28/83	

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TBarnhart (4)  
BPCotter, ASLBP  
ARosenthal, ASLAP  
ACRS (16)  
FPagano

Dear Mr. Rhode:

Subject: Order Extending Construction Completion Date for Nine Mile Point  
Nuclear Station, Unit 2

Your letter dated February 27, 1978, as amended by your letter of June 26, 1981 requested an extension of the latest construction completion date for Nine Mile Point Nuclear Station, Unit 2. As stated in our letter of July 28, 1980, and in accordance with Section 2.109 of 10 CFR Part 2, following your timely submittal of a request for extension of the Construction Permit the existing licensee would not have been deemed to have expired until the application had been finally determined. In response to your request, the Nuclear Regulatory Commission has issued an Order extending the completion date for Construction Permit CPPR-112 from July 31, 1978 to December 31, 1987.

A copy of the Order granting the extension and the staff's evaluation of your request are enclosed for your information. The Order has been forwarded to the Office of the Federal Register for publication.

Darrell G. Eisenhut, Director  
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Mr. Gerald K. Rhode  
Vice President, System Project Management  
Niagara Mohawk Power Corporation  
300 Erie Boulevard West  
Syracuse, New York 13202

Dear Mr. Rhode:

Subject: Order Extending Construction Completion Date for Nine Mile Point  
Nuclear Station, Unit 2

LB#2 File WJones, QA  
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ELJordan, DEQA:IE  
JMTaylor, DRP:IE  
LJHarmon, IE File (2)  
JSauder  
WMiller  
IDinitz

In response to your letter dated February 27, 1978, as amended by your letter of June 26, 1981, the Nuclear Regulatory Commission has issued an Order extending the latest construction completion date for Nine Mile Point Nuclear Station, Unit 2. The construction completion date for Construction Permit CPPR-112 has been extended from July 31, 1978 to December 31, 1987.

A copy of the Order granting the extension and the staff's evaluation of your request are enclosed for your information. The Order has been forwarded to the Office of the Federal Register for publication.

Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

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DATE	2/1/83	2/1/83	1/83	1/83	1/83	1/83	

Nine Mile Point 2

Mr. Gerald K. Rhode  
Vice President, System Project Management  
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Syracuse, New York 13202

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Syracuse, New York 13202



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

EVALUATION OF REQUEST FOR EXTENSION  
OF CONSTRUCTION PERMIT NO. CPPR-112  
NINE MILE POINT NUCLEAR STATION, UNIT 2  
DOCKET NO. 50-410

Introduction

The Nuclear Regulatory Commission authorized the construction of the Nine Mile Point Nuclear Station, Unit 2 by issuing Construction Permit No. CPPR-112 to the Niagara Mohawk Power Corporation on June 24, 1974.\* The latest completion date was July 31, 1978.

By letter dated February 27, 1978, Niagara Mohawk Power Corporation submitted an application for amendment of the construction permit to reflect a new "latest completion date". The application requested an additional time of seventy-seven months. By letter dated June 26, 1981, Niagara Mohawk Power Corporation requested the latest completion date be extended an additional three years to December 31, 1987.

In accordance with 10 CFR Section 50.55(b), the NRC staff, having found good cause shown, recommends that the latest completion date of December 31, 1987 be granted for the reasons stated below.

Analysis

Niagara Mohawk Power Corporation (NMPC) stated in the letters of February 27, 1978 and June 26, 1981 that the following factors led to the overall delay in the completion of construction of the facility. Items 1 through 7 were cited as causes of delay leading to the request for extension of seventy-seven months. Items 8 through 11 were cited as causes of delay leading to the request for extension for an additional 36 months.

1. The need for extension of time beyond the present construction permit completion date was a result of the reduction in the demand for electric power in the Niagara Mohawk Power Corporation's service area and the resulting postponement of the need for this plant to produce power.
2. The need for extension was also based upon difficulty in obtaining funds at a reasonable rate thereby delaying construction because of availability of funds.
3. The need for extension was also based upon additional construction time required to implement design changes as follows,
  - a) Additional time has been required to implement Safety/Relief valve piping relocation required to mitigate Mark II containment dynamic loads.

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\* The co-holders are Central Hudson Gas & Electric Corporation, New York State Electric & Gas Corporation, Long Island Lighting Company, and Rochester Gas and Electric Corporation.

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*Patricia A. Taylor*

- b) Additional time has been required because of a design change from once-through to closed loop circulating water cooling subsequent to receipt of the construction permit.
  - c) Additional time has been required due to complete redesign of electrical raceway systems and major structural changes in the Reactor Building, Control Building, and cable tunnels to conform to regulatory separation requirements.
  - d) Additional time has been required to implement flood protection requirements for Emergency Core Cooling System pumps.
  - e) Additional time has been required to implement pipe whip protection requirements. These requirements have impacted the schedule for completion of pipe stress analysis and liner fabrication.
- 4. The need for extension of time beyond the present construction permit completion date was also a result of additional time required to study geological features and phenomena. During Autumn 1976, "thrust" faults were exposed in the general area of the heater bay at the Nine Mile Point-2 site. Additional "thrust" faults were subsequently encountered at excavations in several other locations. Investigations into the origin, age, and significance of these deformations were then undertaken by Niagara Mohawk Power Corporation through a number of consultants. Additional time is required to complete construction of the plant as a result of effort expended on these investigations.
  - 5. Additional time has been required to complete construction of the Nine Mile Point-2 construction because of the late issuance of the construction permit.
  - 6. The need for extension of time beyond the present construction permit completion date also due to labor problems, including work stoppages in 1976 and 1977.
  - 7. Additional time required for completion of construction has been also due to a shortage of available, qualified welders and due to material procurement delays. In addition, a shortage of Class IE Equipment Vendors qualified to meet regulatory requirements has caused additional construction delays.

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*Patricia A. Taylor*

8. The need for extension of an additional 36 months has been based, in part, on the additional time required to accomodate design changes in the PGCC (Control Room panels) affecting the delivery date to the site.
9. The additional 36 months requested has been, in part, a result of additional requirements imposed following the Three Mile Island accident.
10. The additional time required to achieve an acceptable resolution of the problem caused by the Biological Shield Wall weld defects was another factor contributing to construction delays at Nine Mile Point-2.
11. Additional time required to finalize the design criteria of Mark II Containments has also impacted construction schedules for Nine Mile Point-2 and was cited as a reason for the 36 month extension of the completion date of the plant.

Although Niagara Mohawk Power Corporation has indicated that the present commercial operation date of October 1986 is still considered attainable, they have requested a latest completion date of December 31, 1987. The 1987 date was requested to cover construction contingencies, new regulatory requirements, and financing considerations.

The NRC staff has reviewed the factors contributing to the delay as stated in the letters of February 27, 1978 and June 26, 1981 and concludes that the applicant has shown good cause for the delay in accordance with the requirements of 10 CFR Section 50.55(b). The NRC staff recommends that the construction permit be extended an additional nine years and five months to provide for schedule delays as requested by the applicant.

Considering the nature of the delays, the NRC staff has identified no area of significant safety concern associated with extending the completion date for the construction permit for Nine Mile Point-2. The only change proposed by the Permittee in these requests is an extension of the latest construction completion date. This extension will not allow any work to be performed involving new safety information of a type not considered by previous Commission safety reviews of the facility and that is not already allowed by the existing construction permits. Therefore, the staff finds that (1) this action does not involve a significant hazards consideration, (2) prior public notice of this action is not required, (3) there is reasonable assurance that the health and safety of the public will not be endangered by the requested extension of the construction completion date, and (4) good cause exists for issuance of an Order extending the latest construction completion dates.

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*Adina A. Taylor*

Conclusion

The Commission's staff has reviewed the information provided in the applicant's submittals and concludes that the factors discussed above are reasonable and constitute good cause for delay, and that extension of the latest construction completion date for the Nine Mile Point Nuclear Station, Unit 2 is reasonable and justifiable.

The NRC staff finds that this action does not involve a significant hazards consideration, and that good cause exists for the issuance of an Order extending the latest completion date in Construction Permit No. CPPR-112 to December 31, 1987.

The NRC staff has determined that this action will not result in any significant environmental impact and, pursuant to 10 CFR 51.5(d)(4), an environmental impact statement, or negative declaration and environmental impact appraisal, need not be prepared in connection with this action.

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Certified By

*Patricia A. Taylor*



U. S. NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-410NINE MILE POINT NUCLEAR STATION, UNIT 2NIAGARA MOHAWK POWER CORPORATIONCENTRAL HUDSON GAS & ELECTRIC CORPORATIONNEW YORK STATE ELECTRIC & GAS CORPORATIONLONG ISLAND LIGHTING COMPANYROCHESTER GAS & ELECTRIC CORPORATIONORDER EXTENDING CONSTRUCTION COMPLETION DATE

Niagara Mohawk Power Corporation, Central Hudson Gas & Electric Corporation, New York State Electric & Gas Corporation, Long Island Lighting Company and Rochester Gas and Electric Corporation are the co-holders of Construction Permit No. CPPR-112 issued by the Atomic Energy Commission\* to Niagara Mohawk Power Corporation on June 24, 1974 for construction of the Nine Mile Point Nuclear Station, Unit 2 to be located in Oswego County, New York, on the south shore of Lake Ontario in the town of Scriba, seven miles east of the city of Oswego, New York. The Construction Permit No. CPPR-112 was amended on October 27, 1978 to approve the transfer of ownership interests to the above noted companies.

By letter dated February 27, 1978, Niagara Mohawk Power Corporation filed a request for extension of the latest construction completion date for the Nine Mile Point Nuclear Station, Unit 2. It was requested that Construction Permit No. CPPR 112 be extended from July 31, 1978 to December 31, 1984. By letter dated June 26, 1981, Niagara Mohawk Power Corporation identified additional factors which have resulted in further delay and requested the latest completion date be extended an additional three years to December 31, 1987.

\*Effective January 19, 1975, the Atomic Energy Commission became the Nuclear Regulatory Commission and permits in effect on that day were continued under the authority of the Nuclear Regulatory Commission.

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This action involves no significant hazards consideration, good cause has been shown for the delays and the requested extension is for a reasonable period, the basis for which are set forth in the staff's safety evaluation for this extension.

The Commission has determined that this action will not result in any significant environmental impact and, pursuant to 10 CFR 51.5(d)(4), an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with this action.

The NRC staff evaluation of the request for extension of the construction permit is available for public inspection at the Commission's Public Document Room, 1717 H Street, NW, Washington, D. C. 20555 and at the Denfield Library, State University College at Oswego, Oswego, New York 13126.

IT IS HEREBY ORDERED that the latest completion date for Construction Permit No. CPPR-112 is extended from July 31, 1978 to December 31, 1987.

FOR THE NUCLEAR REGULATORY COMMISSION

Robert A. Purple, Deputy Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Date of Issuance: FEB 28 1983

OFFICE	DL:LB#2/PM	DL:LB#2/LA	OELD	DL:LB#2/BC	DL:ADY	DL:DIR
SURNAME	MHaughey:pt	EH:Ben	P. Barcelonich	ASchwencer	TNava	DEisenhut
DATE	21/1/83	21/1/83	21/1/83	21/1/83	1/1/83	2/2/83

The reasons given for the requested extension to December 31, 1984 were:

1. Reduction in the demand for electric power in the Niagara Mohawk Power Corporation's service area;
2. Difficulty in obtaining funds at a reasonable rate thereby delaying construction;
3. Additional construction time required to implement design changes such as relocation of the safety/relief valve piping to mitigate Mark II containment dynamic loads and changing from once-through to closed loop circulating water cooling;
4. Additional time required to study geological features and phenomena;
5. Extended construction period caused by labor problems and work stoppages in 1976 and 1977 and shortages of qualified welders, material procurement delays and shortages of qualified vendors; and
6. Delay in granting the original Construction Permit.

The reasons given for the additional three years of extension to December 31, 1987 were:

1. Additional time required to implement design changes and improvements to meet NRC requirements, some of which resulted from the Three Mile Island incident;
2. Additional time required to evaluate geological features and phenomena; and
3. Additional time consumed by an extensive audit of the project as ordered and directed by the New York State Public Service Commission.

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