

OCTOBER 9 1979

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Docket No. 50-220

Mr. Donald P. Dise  
 Vice President - Engineering  
 Niagara Mohawk Power Corporation  
 300 Erie Boulevard West  
 Syracuse, New York 13202

Dear Mr. Dise:

The Commission has issued the enclosed Amendment No. <sup>35</sup> to Facility Operating License No. DPR-63 for the Nine Mile Point Nuclear Station Unit No 1. The amendment consists of changes to the Technical Specifications in response to your request dated August 29, 1979.

The amendment revises the provisions in the Technical Specifications to authorize use of biocides in the main condenser cooling water or service water system for a one month test period.

Your proposal has been reviewed and approved by the Environmental Protection Agency (EPA) (see enclosed letter dated August 14, 1979) and by the New York State Department of Environmental Conservation (NYSDEC). The study is not to last for longer than one month and a biological monitoring survey is to be conducted to determine the effects of the biocides on aquatic organisms present in the area of the discharge. The specific monitoring program, which will be agreed upon by Niagara Mohawk, the NYSDEC and EPA Region II, will be conducted for the duration of the biocide test. Results will be submitted to EPA Region II, the NYSDEC, and NRC for subsequent evaluation to determine whether Niagara Mohawk should be given permission to use these biocides on a long-term basis.

Based on the foregoing, we have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level, and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR §51.5(d)(4) that an environmental impact statement, negative declaration or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

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We have further concluded that the amendment does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore does not involve a significant

OFFICE	We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.		
SURNAME			
DATE			

CCP CP1

OCTOBER 9 1979

Mr. Donald P. Dise

- 2 -

A copy of the related Notice of Issuance is also enclosed.

Sincerely,

Original Signed by  
T. A. Ippolito

Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Enclosures:

- 1. Amendment No. **35** to DPR-63
- 2. Letter dated August 14, 1979, from EPA
- 2. Notice

cc w/enclosures:  
See next page

*CONCURRENCE IS,  
AS REQUESTED,  
ONLY AS TO FORM  
OF AMENDMENT  
AND F.R. ONLY*

*GL*

OFFICE	ORB #3	ORB #3	AD:ORB	OELD BMB	ORB #3	DSE
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DATE	10/2/79	10/2/79	10/2/79	10/5/79	10/4/79	10/2/79

Mr. Donald P. Dise  
Niagara Mohawk Power Corporation

- 3 -

cc:

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Region II Office  
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Oswego County Office Building  
46 E. Bridge Street  
Oswego, New York 13126

P



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

NIAGARA MOHAWK POWER CORPORATION

DOCKET NO. 50-220

NINE MILE POINT NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 35  
License No. DPR-63


1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Niagara Mohawk Power Corporation (the licensee) dated August 29, 1979, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility License No. DPR-63 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 35, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Dated: October 9, 1979

ATTACHMENT TO LICENSE AMENDMENT NO. 35  
FACILITY OPERATING LICENSE NO. DPR-63  
DOCKET NO. 50-220

Revise Appendix B by removing the following pages and replacing with revised pages. Marginal lines indicate area of change.

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2.3

Chemical

2.3.1

Treatment of Main Condenser Cooling Water

OBJECTIVE

The purpose of this Specification is to protect the quality and purity of Lake Ontario waters.

SPECIFICATION

A special 30 day study for the treatment of the main condenser cooling water shall be limited to a total of 10 parts per million (ppm, by volume) of chemical cleaning agent and microbio dispersant. All chemical cleaning agents and microbio dispersants shall be approved by the U. S. Environmental Protection Agency and the U. S. Nuclear Regulatory Commission prior to use.

MONITORING REQUIREMENT

Prior to injecting chemical cleaning agents or microbio dispersants, the flow rate of the main condenser cooling water shall be determined. A calculation shall then be performed to determine the maximum amount of chemical and/or microbio dispersant which can be applied without exceeding the specification of 10 ppm. All applications of dispersant chemicals shall be measured and recorded to verify compliance with this Specification.

BASES

Addition of no more than 10 ppm of chemical cleaning agents or microbio dispersants will not adversely affect the water of Lake Ontario. Therefore, adherence to this Specification shall ensure that lake water quality is not jeopardized by the injection of condenser cooling water cleaning chemicals.

The Monitoring Requirement will verify compliance with this Specification.

#### 4.0 SPECIAL SURVEILLANCE AND STUDY ACTIVITIES

In consonance with Section 2.3.1, "Chemical - Treatment of Main Condenser Cooling Water," a special study may be conducted for a thirty day period. Test results will be submitted to EPA Region II, NYSDEC, and NRC for subsequent evaluation. The two products approved for test are Nalsperse 7348 and Nalco 7388 manufactured by the Nalco Chemical Company.

An Environmental Impact Assessment will be written after the subject test has been concluded, evaluating the impact associated with the use of the aforementioned biocides to control condenser fouling. This review and evaluation will determine the acceptability of use on a long term basis.

### 5.6.3 Changes in Environmental Technical Specifications

- a. A report shall be made to the NRC prior to implementation of a change in plant design, in plant operation, or in procedures described in Section 5.5 if the change would have a significant effect on the environment or involves an environmental matter or question not previously reviewed and evaluated by the NRC. The report shall include a description and evaluation of the change and a supporting benefit-cost analysis.
- b. Request for changes in environmental Technical Specifications shall be submitted to the Director, Office of Nuclear Reactor Regulation, for review and authorization. The request shall include an evaluation of the environmental impact of the proposed change and a supporting benefit-cost analysis.<sup>(1)</sup>

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<sup>(1)</sup> In consonance with Section 2.3.1, "Chemical - Treatment of Main Condenser Cooling Water," a special study may be conducted for a thirty day period. Test results will be submitted to EPA Region II, NYSDEC, and NRC for subsequent evaluation. The two products approved for test are Nalsperse 7348 and Nalco 7388 manufactured by the Nalco Chemical Company.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

26 FEDERAL PLAZA

NEW YORK, NEW YORK 10007

August 14, 1979

Mr. J. M. Toennies  
Environmental Affairs Director  
Niagara Mohawk Power Corporation  
300 Erie Boulevard West  
Syracuse, New York 13202

Re: NPDES Permit No. NY0001015  
Nine Mile Nuclear Station Unit 1

Dear Mr. Toennies:

Reference is made to your July 27, 1979 letter to Mr. Richard A. Baker concerning the control of fouling conditions on the cooling water side of the Nine Mile Point Unit 1 main surface condensers.

In the above-referenced letter, it was indicated that Niagara Mohawk has found it necessary to institute chemical treatment at Nine Mile Point Unit 1 to prevent fouling of the condenser tubes (see above). As a result, Niagara Mohawk has requested permission to conduct a chemical treatment program which will test the effectiveness of two Nalco Chemical Company products, Nalsperse 7348 and Nalco 7388, a non-ionic dispersant and an aqueous polyacrylate salt, respectively, in preventing fouling conditions. It was indicated that these two substances will be added simultaneously for ten minutes every eight hours at a dosage of 2 ppm for each product. Attached to the above-referenced letter was information on the two Nalco products, including toxicity information. It was further stated that the program would last for two weeks.

After (1) reviewing the information submitted by Niagara Mohawk, (2) reviewing additional information on the toxicity of Nalsperse 7348 provided to this writer by Nalco Chemical Company, and (3) based upon information obtained from New York State Electric and Gas Corporation's (NYSE&G) Nalsperse 7348 testing program at its Hickling Station (which began approximately two weeks ago),

Region II has decided upon the following course of action (The NYSDEC has been consulted on this matter and has indicated to this writer that it concurs with the course of action specified below.):

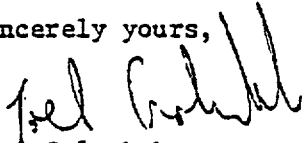
1. Niagara Mohawk is hereby given approval to commence the above-referenced chemical treatment program, effective August 13, 1979; this program should last for not longer than one month; for the duration of the chemical treatment program, Condition 10(b)(1)(d) of the NPDES permit for Nine-Mile Point Unit 1 will be stayed; this condition prohibits the addition of any algicides to the Unit 1 cooling water system;

2. Niagara Mohawk will, to the extent that it is possible, control the dosage of Nalperse 7348 and Nalco 7388 at a maximum level of 2 ppm for each substance; however, under no circumstances shall the dosage of each substance exceed a maximum level of 10 ppm; at least two grab samples of oil and grease in the effluent shall be taken during the chemical treatment program; the sampling results shall be submitted to EPA Region II and the NYSDEC;

3. Niagara Mohawk will conduct a biological monitoring survey to determine the effects, if any, of Nalperse 7348 and Nalco 7388 on those aquatic organisms present in the area of the discharge; the specific survey conducted will be agreed upon by Niagara Mohawk, the NYSDEC and EPA Region II; it will commence as soon as possible and continue to the end of the chemical treatment testing program; the results of this survey shall be submitted to EPA Region II and the NYSDEC, and shall be used to determine if Niagara Mohawk should be given permission to institute the chemical treatment program on a long-term basis.

If you have any questions concerning this matter, please do not hesitate to communicate them to me (Tel. No. 212-264-2990).

Sincerely yours,



Joe Golumbek  
Toxic and Inorganic Wastes Section  
Water Facilities Branch

cc: Ms. Cheryl Blum  
Niagara Mohawk Power Corporation

Mr. Alan Geisendorfer  
New York State Department of  
Environmental Conservation

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-220NIAGARA MOHAWK POWER CORPORATIONNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 35 to Facility Operating License No. DPR-63 to Niagara Mohawk Power Corporation (the licensee) which revised the Technical Specifications for operation of the Nine Mile Point Nuclear Station, Unit No. 1 (the facility) located in Oswego County, New York. The amendment is effective as of its date of issuance.

The amendment revises the provisions in the Technical Specifications to authorize use of biocides in the main condenser cooling water or service water system for a one month test period.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that 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 issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated August 29, 1979, (2) Amendment No. 35 to License No. DPR-63,

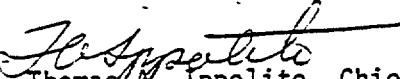
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- 2 -

(3) letter dated August 14, 1979 from EPA to licensee, and (4) the Commission's letter to the licensee dated October 9, 1979. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Oswego County Office Building, 46 E. Bridge Street, Oswego, New York 13126. A copy of items (2) and (4) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland this 9th day of October 1979.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Thomas K. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

REGULATORY DOCKET FILE COPY

AUGUST 27 1979

Docket No. 50-220

Mr. Donald P. Dise  
Vice President - Engineering  
Niagara Mohawk Power Corporation  
300 Erie Boulevard West  
Syracuse, New York 13202

Dear Mr. Dise:

By letter dated July 26, 1979, we transmitted Amendment No. 33 to Facility Operating License No. DPR-63 for the Nine Mile Point Nuclear Station, Unit No. 1 relating to fire protection.

The amendment added a paragraph to the license. We inadvertently referenced paragraph 2.D(4) as the addition. The correct reference is paragraph 2.D(5).

Distribution

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BGrimes	
WGammill	
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JMiller	
LShao	
TJCarter	
WRussell	
Tippolito	
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SSheppard	
Atty, OELD	
I&E (5)	
BJones	
JRBuchanan	

Sincerely,

Original Signed by  
T. A. Ippolito

Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

cc: See page 2

7909180002

K.B.  
CP  
I  
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DATE	8/24/79	8/24/79	8/24/79		



Mr. Donald P. Dise  
Niagara Mohawk Power Corporation

- 2 -

August 27, 1979

cc:

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State of New York  
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