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TO: Mr. B.C. Rusche			ORIG 3 signed	CC 37	OTHER	SENT NRC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-220		

DESCRIPTION: Ltr submitted on behalf of Niagara Mohawk Power Corp. trans the following:

ENCLOSURES: Application for Amdt to OL/DPR-63 notarized 1-16-76 / Tech Specs with attachments A entitled Proposed Change to Tech Specs (App. A) & Attachment B entitled Supporting Info (3 Orig & 37 CC rec'd)

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: _____

CERTIFICATE OF SERVICE dated 1-19-76 showing svc of Amdt to OL upon Mr. Robert P. Jones, Supvr Town of Scriba, N.Y. et. al...
(1 Orig & 37 CC rec'd)

SAFETY ASSIGNED AD _____		FOR ACTION/INFORMATION ENVIRO DHL 1-21-76	
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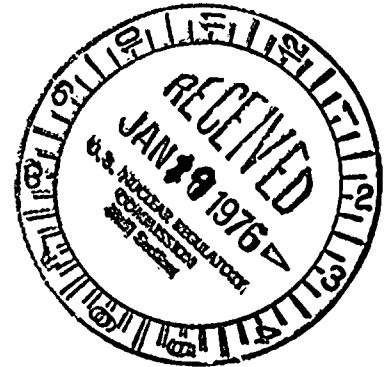
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ACKNOWLEDGMENT

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Regulatory Docket File

BEFORE THE UNITED STATES
NUCLEAR REGULATORY COMMISSION



In the Matter of)
)
NIAGARA MOHAWK POWER CORPORATION)
(Nine Mile Point Nuclear Station)
Unit No. 1))

Docket No. 50-220

CERTIFICATE OF SERVICE

~~Filed 1/19/76~~ Dated 1-19-76

I hereby certify that I have served a document
entitled "Application for Amendment to Operating License"
by mailing a copy thereof first class, postage prepaid,
to the following persons this 19th day of January, 1976.

Mr. Robert P. Jones
Supervisor
Town of Scriba
R. D. #4
Oswego, New York 13126

Miss Juanita Kersey
Librarian
Oswego City Library
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Oswego, New York 13126

Dr. William E. Seymour
Staff Coordinator
New York State Atomic
Energy Council
New York State Department
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99 Washington Avenue
Albany, New York 12210

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LeBoeuf, Lamb, Leiby & MacRae
Attorneys for Niagara Mohawk
Power Corporation

Regulation 1000/1000

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January 19, 1976

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Mr. Ben C. Rusche
Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station Unit No. 1
Docket No. 50-220

Dear Mr. Rusche:

As counsel for Niagara Mohawk Power Corporation, submitted herewith please find three (3) signed originals and nineteen (19) copies of a document entitled "Application for Amendment to Operating License." This application seeks to amend Section 3.2.3 of Facility Operating License No. DPR-63 to clarify chloride and oxygen levels. Forty (40) copies of the proposed change and a safety evaluation are also enclosed.

A Certificate of Service showing service of these documents upon the persons listed therein is also enclosed.

Very truly yours,

LeBoeuf, Lamb, Leiby & MacRae
LeBoeuf, Lamb, Leiby & MacRae
Attorneys for Niagara Mohawk
Power Corporation

Regulatory Docket File

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

~~Control No. 1-19-76~~

In the Matter of

NIAGARA MOHAWK POWER CORPORATION
(Nine Mile Point Nuclear Station
Unit No. 1)

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Docket No. 50-220

APPLICATION FOR AMENDMENT

TO

OPERATING LICENSE

Pursuant to Section 50.90 of the regulations of the Nuclear Regulatory Commission, Niagara Mohawk Power Corporation, holder of Facility Operating License No. DPR-63, hereby requests that Section 3.2.3 of the Technical Specifications set forth in Appendix A to that License be amended. This proposed change has been approved by Site Operations Review Committee and Safety Review and Audit Board.

The proposed Technical Specification change is set forth in Attachment A to this application. A safety evaluation, which demonstrates that the proposed change does not involve a significant hazards consideration, is set forth in Attachment B. The proposed change would not authorize any change in the types or any increase in the amounts of effluents or any change in the authorized power level of the facility.

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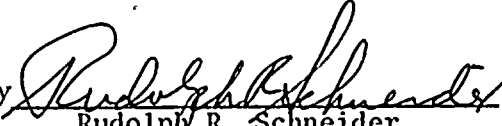
16. The sixteenth part of the document is a list of the names and addresses of the members of the committee.

17. The seventeenth part of the document is a list of the names and addresses of the members of the committee.

18. The eighteenth part of the document is a list of the names and addresses of the members of the committee.

WHEREFORE, Applicant respectfully requests that Appendix A to Facility Operating License No. DPR-63 be amended in the form attached hereto as Attachment A.

NIAGARA MOHAWK POWER CORPORATION

By 
Rudolph R. Schneider
Vice President-Electric Operations

Subscribed and sworn to before me
on this 16th day of January, 1976.

Patricia A. Connor (Patricia C. Nott)
Notary Public

PATRICIA A. CONNOR
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4608264
My Commission Expires March 30, 1977

Regulatory Docket File

ATTACHMENT A

Niagara Mohawk Power Corporation

License No. DPR-63

Docket No. 50-220

~~Excluded from Public Docket~~ 1-19-76

Proposed Change to Technical Specifications (Appendix A)

The attached is a revision to page 83 of Appendix A
of DPR-63.

3.2.3 COOLANT CHEMISTRYApplicability:

Applies to the reactor coolant system chemical requirements.

Objective:

To assure the chemical purity of the reactor coolant water.

Specification:

- a. The reactor coolant water shall not exceed the following limits with steaming rates less than 100,000 pounds per hour except as specified in 3.2.3b:
- | | |
|--------------|----------------|
| Conductivity | 2 μ mho/cm |
| Chloride ion | 0.1 ppm |
- b. For reactor start-ups the maximum value for conductivity shall not exceed 10 μ mho/cm and the maximum value for chloride ion concentration shall not exceed 0.1 ppm, for the first 24 hours after placing the reactor in the power operating condition. During reactor shutdowns specification 3.2.3.c will apply.

4.2.3 COOLANT CHEMISTRYApplicability:

Applies to the periodic testing requirements of the reactor coolant chemistry.

Objective:

To determine the chemical purity of the reactor coolant water.

Specification:

Samples shall be taken at least every 96 hours and analyzed for conductivity and chloride ion content. In addition, if the conductivity becomes abnormal (other than short term spikes) as indicated by the continuous conductivity monitor, samples shall be taken and analyzed.

When the continuous conductivity monitor is inoperable, a reactor coolant sample shall be taken at least daily and analyzed for conductivity and chloride ion content.

ATTACHMENT B

Niagara Mohawk Power Corporation
License No. DPR-63
Docket 50-220
Supporting Information

Regulatory Docket File

1-19-76

The proposed change included in Attachment A, represents a clarification of the reactor coolant chemistry specifications. Its purpose is to provide for shut-down conditions, in accordance with the intent of those specifications.

When reactor steaming rates are less than 100,000 pounds per hour, present Technical Specifications limit the chloride ion concentration to 0.1 ppm. This specification is intended to restrict chloride content during periods of operation such as reactor start-up and hot stand-by when reactor water dissolved oxygen levels may be high.

During normal operation, when steaming rates are greater than 100,000 pounds per hour, boiling occurs causing deaeration. This results in much lower dissolved oxygen levels (0.2-0.3 ppm). At these low oxygen levels, chloride levels of up to 1 ppm can be tolerated without encountering any damage to the primary system materials.

In the process of shutting down, however, the reactor may be brought to a steaming rate of less than 100,000 pounds per hour while the chloride content is greater than 0.1 ppm and oxygen content is low. The oxygen content remains low until the reactor temperature drops and the head vent is opened. Therefore, the extension of normal operation chloride limits to shutdown conditions would not pose any problems to the primary system materials.



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