

December 31, 1975

Docket No.: 50-333

DISTRIBUTION:

Docket File	I&E (3)
NRQ PDR	BJones (4)
L PDR	BScharf (10)
ORB Rdg	JMcGough
KRGoller/TJCarter	MDuncan
RIngram	SVarga
MFairtile	BGrimes
Attorney, OELD	ACRS (16)
	Clare Miles, OPA

Power Authority of the State of New York

ATTN: Mr. George T. Berry  
General Manager and  
Chief Engineer

10 Columbus Circle  
New York, New York 10019

bcc: TBAbernathy, DTIE  
JRBuchanan, ORNL  
ARosenthal, ASLAB

Gentlemen:

The Commission has issued the enclosed Amendment No. 6 to Facility Operating License No. DPR-59 for the James A. FitzPatrick Nuclear Power Plant. The amendment consists of a change to the Technical Specifications in response to your application dated November 12, 1975, as amended December 29, 1975. This amendment extends the expiration date for Amendment No. 5 dated November 25, 1975. Amendment No. 5 permitted an increase in the maximum temperature change,  $\Delta T$ , across the main condenser during plant operation. Amendment No. 5 permitted an increase in  $\Delta T$  from 32.4°F to 34.5°F, but carried the provision that the amendment would expire at 12:00 midnight, December 31, 1975.

Your letter of December 29, 1975, requested an extension of the expiration date from December 31, 1975 to January 18, 1976. Your request was necessitated by a delay in the start of the 100% full power test program.

Our letter of November 25, 1975, included a statement that Amendment No. 5 did not involve a significant hazards consideration and concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action. We also enclosed a Negative Declaration based on an Environmental Impact Appraisal of the amendment and determined the amendment did not have the potential for significantly adversely affecting the environment. This amendment serves only to extend the expiration date of Amendment No. 5; the conclusions of our November 25, 1975 appraisal were reviewed again and found to be still valid for the extension of the expiration date.

Q

OFFICE ➤						
SURNAME ➤						
DATE ➤						

Power Authority of the State  
of New York

- 2 -

Both the Negative Declaration and the Environmental Impact Appraisal of November 25, 1975 are incorporated in this license amendment by reference.

Please note that we have discontinued the use of separate identifying numbers for changes to technical specifications. Sequential amendment numbers will be continued as in the past.

Sincerely,

Original Signed by

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Enclosures:

1. Amendment No. 6
2. Federal Register Notice

cc: w/enclosures  
See next page

OFFICE	ORB#4	ORB#4 MBJ	<del>C-AAB:DTR</del>	OELD BMA	R Reid
SURNAME	RIngram:rm	MFairtile	<del>BGrines</del>	BURDICH	C-ORB#4:DRL
DATE	12/31/75	12/31/75	<del>12/1/75</del>	12/31/75	12/31/75

Docket No.: 50-333

JAN 1 1976

DISTRIBUTION:  
ORB Rdg #4  
Docket File  
RIngram  
MFairtile

Chase R. Stephens  
Docketing and Service Section  
Office of the Secretary of the Commission

FEDERAL REGISTER NOTICE

Enclosed for your transmission to the Office of the Federal Register for filing and publication are two signed originals of a Federal Register Notice as follows:

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-333

POWER AUTHORITY OF THE STATE OF NEW YORK  
NIAGARA MOHAWK POWER CORPORATION

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY

OPERATING LICENSE

Twelve copies of the above notice also are enclosed for your use and distribution to the Public Document Room.

Original Signed by

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Reactor Licensing

Enclosures:  
As stated

OFFICE >	ORB #4					
SURNAME >	RIngram					
DATE >	1/2 /76					

Power Authority of the State  
of New York

cc: Scott B. Lilly, General Counsel  
Power Authority of the State of New York  
10 Columbus Circle  
New York, New York 10019

Arvin E. Upton, Esquire  
LeBoeuf, Lamb, Leiby and MacRae  
1757 N Street, N.W.

Lauman Martin, Esquire  
Senior Vice President  
and General Counsel  
Niagara Mohawk Corporation  
300 Erie Boulevard  
Syracuse, New York 13202

Charles V. Mangan  
Manager Production Plant Engineering  
Niagara Mohawk Corporation  
300 Erie Boulevard West  
Syracuse, New York 13202

Mr. Z. Chilazi  
Power Authority of the  
State of New York  
10 Columbus Circle  
New York, New York 10019

Oswego City Library  
120 East Second Street  
Oswego, New York 13126

Dr. William E. Seymour  
Staff Coordinator  
New York State Atomic  
Energy Council  
New York State Department  
of Commerce  
112 State Street  
Albany, New York 12207

POWER AUTHORITY OF THE STATE OF NEW YORK

AND

NIAGARA MOHAWK POWER CORPORATION

DOCKET NO. 50-333

JAMES A. FITZPATRICK NUCLEAR POWER PLANT

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 6  
License No. DPR-59

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Power Authority of the State of New York and Niagara Mohawk Power Corporation (the licensee) dated November 12, 1975, as amended December 29, 1975, 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; and
  - 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.

2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Facility License No. DPR-59 is hereby amended to read as follows:

"(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, 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 and will remain in effect until 12:00 midnight, January 18, 1976.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed by

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: DEC. 31 1975

ATTACHMENT TO LICENSE AMENDMENT NO. 6

FACILITY OPERATING LICENSE NO. DPR-59

DOCKET NO. 50-333

Revise Appendix B as follows:

Remove Pages

2 and 3

Insert Pages

2 and 3

The changed areas on the revised pages are shown by marginal lines.

The revised pages will remain in effect through 12:00 midnight, January 18, 1976. At that time they will be replaced by the original pages.

LIMITING CONDITIONS FOR OPERATION

2.0 Protection Limits

2.1 Thermal

2.1.1 Maximum  $\Delta T$  across the condenser.

OBJECTIVE

The purpose of this specification is to limit the thermal stress to the aquatic ecosystem by limiting the maximum  $\Delta T$  across the condenser.

SPECIFICATION

Maximum  $\Delta T$  across the main condenser during normal plant operation shall be limited to 34.5°F.

If during normal plant operation the main condenser  $\Delta T$  exceeds 34.5°F for a period of:

- a) eight hours in any given 24 hour period, or
- b) four hours twice or more in any given seven day period,

the cause of this deviation shall be investigated and positive action taken to reduce the  $\Delta T$  to the specified maximum. Positive action also shall be taken to prevent any such deviations in the future. In addition a report shall be submitted in accordance with Section 5.0.

Monitoring Requirement

OBJECTIVE

The purpose of this monitoring requirement is to assure that the maximum  $\Delta T$  across the condenser will not exceed the protection limit as stated in the technical specification.

SPECIFICATION

The main condenser  $\Delta T$  shall be monitored and recorded once per hour. The temperature measurement shall be taken by three RTD instruments on each inlet and outlet pipe. The instruments shall be located on 120 degree points close to the water box flanges. The accuracy of the temperature sensors shall be 0.5°F. Each sensor shall be scanned on a 60 second basis and, in addition, an hourly log shall be made of the average of the three readings for each pipe. Because of the individual input, loss of an RTD will be promptly alarmed by the computer's "off-limit" circuitry, but readings will still be obtainable from the remaining two sensors.

LIMITING CONDITIONS FOR OPERATION

BASES

For the maximum anticipated power output the plant will require a total recirculation flow of 370,200 gpm. Of the total flow 352,300 gpm is for the main condenser which will raise the circulating water temperature 34.5°F and 17,900 gpm is for service water requirements, which will produce a 13.5°F rise in temperature. The plant will therefore discharge a total of 370,200 gpm with a combined temperature rise of 31.5°F.

2.2 Chemical

2.2.1 Biocides

No biocides shall be used in the condenser cooling water system.

2.2.2 Corrosion Inhibitors

The plant shall not discharge corrosion inhibitors to the lake.

2.2.3 Suspended and Dissolved Solids

OBJECTIVE

The purpose of this specification is to limit the stress to the aquatic ecosystem by limiting the concentration of suspended and dissolved solids in the plant effluents.

BASES

The temperature sensors on the inlet and outlet of the main condenser will provide information on the  $\Delta T$  across the condenser.

Monitoring Requirement

OBJECTIVE

The purpose of this monitoring requirement is to ensure that the chemical concentrations in the plant effluents will not exceed the protection limits.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-333

POWER AUTHORITY OF THE STATE OF NEW YORK  
NIAGARA MOHAWK POWER CORPORATION

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY

OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 6 to Facility Operating License No. DPR-59 issued to the Power Authority of the State of New York and the Niagara Mohawk Power Corporation which revised Technical Specifications for operation of the James A. FitzPatrick Nuclear Power Plant, located in Oswego County, New York. The amendment is effective as of its date of issuance and will remain in effect until 12:00 midnight, January 18, 1976.

The amendment relates to an increase in the maximum  $\Delta T$  across the main condenser during normal plant operation for 32.4<sup>o</sup>F to 34.5<sup>o</sup>F.

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 is not required since the amendment does not involve a significant hazards consideration.

In connection with issuance of this amendment, the Commission has issued a Negative Declaration and Environmental Impact Appraisal. The Negative Declaration was published in the Federal Register on December 4, 1975 (40 F.R. 56740).

For further details with respect to this action, see (1) the application for amendment dated November 12, 1975, as amended December 29, 1975, (2) Amendment No. 6 to License No. DPR-59, and (3) Amendment No. 5 to License No. DPR-59 issued November 25, 1975, with the Commission's related Negative Declaration and supporting Environmental Impact Appraisal. 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 City Library, 120 East Second Street, Oswego, New York.

A copy of items (2) and (3) 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 Rockville, Maryland, this 31st day of December 1975.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed by

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors