

APR 12 1965

Docket No. 50-220

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C. Henderson

Niagara Mohawk Power Corporation
300 Erie Boulevard West
Syracuse, New York 13202

Attention: Mr. Minot H. Pratt
Vice President and Chief Engineer

Gentlemen:

Transmitted herewith is Provisional Construction Permit No. CPPR-16 which authorizes Niagara Mohawk Power Corporation to construct a boiling water nuclear reactor at Nine Mile Point on the shore of Lake Ontario in the Town of Scriba, New York.

Also enclosed is a copy of a related notice which is being submitted to the Office of the Federal Register for publication.

Sincerely yours,

Original Signed by
R. L. Doan

R. L. Doan, Director
Division of Reactor Licensing

Enclosures:
As stated above

cc: Mr. Arvin E. Upton, Esq.
Leboeuf, Lamb & Leiby
1821 Jefferson Place, N. W.
Washington, D. C.

OFFICE ▶	RL <i>NDM</i>	OGC <i>ABC</i>	RL <i>RSBoyd</i>	RL <i>H2Case</i>	RL <i>RLDoan</i>
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DATE ▶	4/9/65	4/12/65	4/12/65	4/17/65	4/17/65

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-220

NIAGARA MOHAWK POWER CORPORATION

NOTICE OF ISSUANCE OF PROVISIONAL CONSTRUCTION PERMIT

Please take notice that, pursuant to the Initial Decision of the Atomic Safety and Licensing Board dated April 1, 1965, the Director of the Division of Reactor Licensing has issued Provisional Construction Permit No. CPPR-16 to Niagara Mohawk Power Corporation for the construction of a boiling water nuclear reactor to be located at Nine Mile Point on the shore of Lake Ontario in the Town of Scriba, New York.

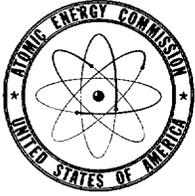
A copy of the Initial Decision is on file in the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
R. L. Doan

R. L. Doan, Director
Division of Reactor Licensing

Dated at Bethesda, Maryland
this *12th* day of *April*, 1965.



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

NIAGARA MOHAWK POWER CORPORATION

DOCKET NO. 50-220

PROVISIONAL CONSTRUCTION PERMIT

Construction Permit No. CPPR-16

1. Pursuant to Section 104b of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter 1, Code of Federal Regulations, Part 50, Licensing of Production and Utilization Facilities, and pursuant to the order of the Atomic Safety and Licensing Board, the Atomic Energy Commission (the Commission) hereby issues a provisional construction permit to Niagara Mohawk Power Corporation (the applicant) for a utilization facility (the facility), described in the application and amendment thereto filed in this matter by the applicant and as more fully described in the evidence received at the public hearing upon that application. The utilization facility is a single cycle boiling, light water reactor which is part of a facility designed to operate at 1538 megawatts (thermal) to be located on Lake Ontario in the Town of Scriba, New York.
2. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
 - A. The earliest date for the completion of the facility is December 1, 1966, and the latest date for completion of the facility is December 1, 1967.
 - B. The facility shall be constructed and located at the site as described in the application as amended, in the Town of Scriba, New York.
 - C. This construction permit authorizes the applicant to construct the facility described in the application and the hearing record in accordance with the principal architectural and engineering criteria set forth therein.
3. This permit is provisional to the extent that a license authorizing operation of the facility will not be issued by the Commission unless:
 - (A) the applicant submits to the Commission, by amendment to the application, the complete final hazards summary report, portions of which may be submitted and evaluated from time to time;
 - (B) the Commission finds that the final design provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in

accordance with procedures approved by it in connection with the issuance of said license; and (C) the applicant submits proof of financial protection and the execution of an indemnity agreement as required by Section 170 of the Act.

4. Pursuant to Section 50.60 of the regulations in Title 10, Chapter 1, CFR, Part 50, the Commission has allocated to the applicant for use in the operation of the reactor 14321 kilograms of uranium 235 contained in uranium in the isotopic ratios specified in the application. Estimated schedules of special nuclear material transfers to the applicant and returns to the Commission are contained in Appendix A which is attached hereto. Transfers by the Commission to the applicant in accordance with column 2 in Appendix A will be conditioned upon the applicant's return to the Commission of material substantially in accordance with column 3 (including the sub-columns headed Scrap and Depleted Fuel) of Appendix A.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
R. L. Doan

R. L. Doan, Director
Division of Reactor Licensing

Attachment:
Appendix A

Date of Issuance: APR 12 1965

APR 12 1985

APPENDIX A

PROVISIONAL CONSTRUCTION PERMIT - DOCKET NO. 50-220ESTIMATED SCHEDULE OF TRANSFERS OF SPECIAL NUCLEAR
MATERIAL FROM THE COMMISSION TO NIAGARA MOHAWK AND
TO THE COMMISSION FROM NIAGARA MOHAWK

<u>Date of Transfer (fiscal year)</u>	<u>Transfers From AEC to NMPC</u>		<u>Returns From NMPC to AEC</u>	<u>Net Yearly Transfer</u> (kg U235)	<u>Cumulative Requirements Including Cumulative Losses</u> (kg U235)
	(a) (kg U235)	Scrap (kg U235)	Depleted Fuel (b) (kg U235)		
1966	2182	-	-	2182	2182
1967	-	152	-	(152)	2030
1968	-	-	-	-	2030
1969	1000	-	-	1000	3030
1970	500	70	-	430	3460
1971	500	35	428	37	3497
1972	500	35	159	306	3803
1973	500	35	120	345	4148
1974	500	35	81	384	4532
1975	500	35	204	261	4793
1976	500	35	195	270	5063
1977	500	35	177	288	5351
1978	500	35	166	299	5650
1979	500	35	166	299	5949
1980	500	35	166	299	6248
1981	500	35	166	299	6547
1982	500	35	166	299	6846
1983	500	35	166	299	7145

<u>Date of Transfer (fiscal year)</u>	<u>Transfers From AEC to NMPC</u>	<u>Returns From NMPC to AEC</u>		<u>Net Yearly Transfer</u>	<u>Cumulative Requirements Including Cumulative Losses</u>
		(a)	Depleted Fuel (b)		
	(kg U235)	Scrap (kg U235)	(kg U235)	(kg U235)	(kg U235)
1984	500	35	166	299	7444
1985	500	35	166	299	7743
1986	1000	35	166	799	8542
1987	500	70	166	264	8806
1988	500	35	332	133	8939
1989	500	35	166	299	9238
1990	500	35	166	299	9537
1991	500	35	166	299	9836
1992	500	35	166	299	10135
1993	500	35	166	299	10434
1994	500	35	166	299	10733
1995	500	35	166	299	11032
1996	500	35	166	299	11331
1997	500	35	166	299	11630
1998	500	35	166	299	11929
1999	500	35	166	299	12228
2000	500	35	166	299	12527
2001	500	35	166	299	12826
2002	500	35	166	299	13125
2003	500	35	166	299	13424
2004	500	35	166	299	13723
2005	500	35	166	299	14022

<u>Date of Transfer (fiscal year)</u>	<u>Transfers from AEC to NMPC</u>	<u>Returns From NMPC to AEC</u>		<u>Net Yearly Transfer</u>	<u>Cumulative Requirements Including Cumulative Losses</u>
		(a) (kg U235)	Scrap (kg U235)		
2006	500	35	166	299	14321
2007	-	35	166	(201)	14120
2008	-	-	1350	(1350)	12770

NOTE: Based on operation at 80% capacity factor with 525 MW(e) gross as full power rating.

- (a) First core-enrichment 2.1% U-235 by weight, replacement loadings-enrichment 2.4% U-235 by weight.
- (b) First core-discharge enrichment 0.87% U-235 by weight, replacement loadings-discharge enrichment 0.88% U-235 by weight.