

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

Niagara Mohawk Power Corporation
Central Hudson Gas and Electric Corporation
1. Long Island Lighting Company
New York State Electric and Gas Corporation
2. Rochester Gas and Electric

300 Erie Boulevard West
Syracuse, New York 13202

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3. License number SNM-1895, revised in its entirety

4. Expiration date November 30, 1990, or*

5. Docket or Reference No. 70-2948

6. Byproduct, source, and/or special nuclear material

7. Chemical and/or physical form

8. Maximum amount that licensee may possess at any one time under this license

A. Uranium enriched in the U-235 isotope

A. In unirradiated reactor fuel assemblies

A. 2800 kg of U-235 in uranium enriched to no more than 3.05 w/o in U-235

B. Uranium enriched in the U-235 isotope

B. Contained in sealed neutron detectors

B. One (1) gram of U-235 at any enrichment

9. Authorized Use

The materials are for use in accordance with statements, representations, and conditions specified in the licensee's application dated March 23, 1982, and its supplements dated April 17, May 1, June 12, September 27, October 22, October 29, and November 18, 1985.

10. Authorized Place of Use

The licensee's Nine Mile Point Nuclear Station, Unit 2, located in the Town of Scriba, Oswego County, New York, as described in the aforesaid application.

11. The minimum technical qualifications for the General Superintendent Nuclear Generation shall be in accordance with Section 4.2.1, "Plant Manager," ANSI/ANS 3.1-1978.

*Upon conversion of Construction Permit No. CPPR-112 to an operating license, whichever is earlier.

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12. The minimum technical qualifications for Station Superintendent shall be in accordance with Section 4.2.1, "Plant Manager," ANSI/ANS 3.1-1978.
13. The minimum technical qualifications for the Reactor Analyst Supervisor shall be in accordance with Section 4.4.1, "Reactor Engineer," ANSI/ANS 3.1-1978.
14. The minimum technical qualifications for the Superintendent of Chemistry and Radiation Management shall be in accordance with the requirements for "Radiation Protection Manager," Regulatory Guide 1.8, September 1975.
15. The minimal technical qualifications for the Supervisor of Chemistry and Radiation Protection shall be in accordance with the requirements for "Radiation Protection Manager," Regulatory Guide 1.8, September 1975.
16. The following training shall be completed by each individual prior to participation in the radiation safety and/or fuel handling programs:
 - (a) All radiation safety personnel involved in fuel handling shall be trained in radiation safety and in NMP's Unit 2, radiation protection procedures related to fuel assembly handling.
 - (b) All operations personnel involved in fuel handling shall receive training in proper fuel handling procedures, including the related health and safety aspects of the activities.
17. Fuel assemblies, when stored in their shipping containers, shall be stacked no more than three containers high.
18. All fuel assemblies shall be in their shipping containers or storage racks in the New Fuel Vault or in the Spent Fuel Storage Facility except for the following:
 - a. No more than three assemblies shall be allowed above the refueling floor.
 - b. No more than one fuel assembly shall be below the refueling floor outside the storage racks.
19. The above four fuel assemblies shall maintain a minimum edge-to-edge spacing of twelve (12) inches from the shipping container array and approved storage rack locations.
20. All preoperational testing of fuel handling equipment shall be completed prior to use for handling the new fuel shipment.
21. The New Fuel Storage Vault shall have no more than 10 fresh fuel assemblies uncovered at any one time.
22. The licensee is hereby exempted from the provisions of 10 CFR 70.24 insofar as this exemption applies to materials held under this license only.
23. Records of the weekly visual surveillance of the shipping containers with the neutron detectors shall be maintained and a copy of each surveillance submitted to the Superintendent Chemistry and Radiation Management and the Nine Mile Point, Reactor Analyst Supervisor.

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24. The licensee shall repackage fuel in accordance with 10 CFR Part 71 prior to delivery to a carrier for transport.
25. Procedures for the handling and installation of the neutron detectors in the reactor vessel shall be approved by the Superintendent, Chemistry and Radiation Management.
26. A member of the Chemistry and Radiation Management staff shall be present during all neutron detector handling operations and shall monitor these activities.
27. The licensee shall maintain records of the contamination survey (smear survey) results for both the neutron detector containers and the fuel assembly shipping crates.
28. The licensee shall maintain and fully implement all provisions of the Commission approved Physical Security Plan, including changes made pursuant to the authority of 10 CFR 70.32(e). The approved Security Plan is titled "Nine Mile Point Nuclear Station Unit #2, Security Plan for Special Nuclear Material of Low Strategic Significance, Revision 1" dated August 1985. The Physical Security Plan shall be withheld from public disclosure pursuant to 10 CFR 2.790(d).



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date:

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MF 11/26/85
NOV 27 1985

By:

ced 11/26/85
VL 11/26/85
gnt 11/27/85
ORIGINAL SIGNED BY
GLENN A. TERRY
FOR W. T. CROW

Division of Fuel Cycle and
Material Safety, NMSS
Washington, D.C. 20555

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