

APR 29 1958

Docket No. 50-39

Curtiss-Wright Corporation  
Research Division  
Quehanna, Pennsylvania

Attention: Dr. Carlyle J. Roberts  
Chief, Research Reactor Division

Gentlemen:

Attached is facility license No. R-36 which has been issued to the Curtiss-Wright Corporation by the Atomic Energy Commission.

Sincerely yours,

H. L. Price, Director  
Division of Licensing and Regulation

Encl:

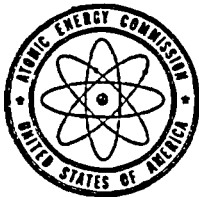
License No. R-36

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Formal Docket No. 50-39  
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UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON 25, D. C.

DOCKET NO. 50-39  
CURTISS-WRIGHT CORPORATION

L I C E N S E

License No. R-36

1. The Atomic Energy Commission (hereinafter "the Commission") finds that:
  - a. The utilization facility (hereinafter "the facility") authorized for construction by Construction Permit CRR-11 issued to the Curtiss-Wright Corporation (hereinafter "Curtiss-Wright") has been constructed in accordance with the specifications contained in the application;
  - b. There is reasonable assurance that the facility can be operated without endangering the health and safety of the public;
  - c. Curtiss-Wright is technically and financially qualified to operate the facility;
  - d. Issuance of a license to possess and operate the facility will not be inimical to the common defense and security or to the health and safety of the public;
  - e. Curtiss-Wright has filed with the Commission, as proof of financial protection, pursuant to 10 CFR 140, copies of Binder No. 13 issued by the Mutual Atomic Energy Liability Underwriters, covering the facility, in the amount of \$250,000.
2. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Curtiss-Wright:
  - a. Pursuant to Section 104c of the Act and Title 10, CFR, Chapter 1, Part 50, "Licensing of Production and Utilization Facilities" to possess and operate as a utilization facility the nuclear research reactor facility designated below;
  - b. Pursuant to the Act and Title 10, CFR, Chapter 1, Part 70, "Special Nuclear Material", to possess and use 4.5 kilograms of contained uranium 235 as fuel for operation of the facility;
  - c. Pursuant to the Act and Title 10, CFR, Chapter 1, Part 30, "Licensing of Byproduct Material", to possess, but not to separate, such byproduct material as may be produced in the operation of the facility.

3. This license applies to the facility which is owned by Curtiss-Wright and located near Quehanna, Pennsylvania and described in Curtiss-Wright's application dated October 24, 1956 and amendments thereto dated December 21, 1956, February 14, 1957, January 27, 1958, and February 21, 1958 (all herein "the application"). The facility is a light water-cooled and -moderated research reactor designed to operate at a thermal power level of 1,000 kilowatts.
4. This license shall be deemed to contain and be subject to the conditions specified in Section 50.54 of Part 50; 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 additional conditions specified or incorporated below:
  - a. Operating Restrictions
    - (1) Curtiss-Wright shall operate the facility in accordance with the application.
    - (2) Curtiss-Wright shall not operate the facility at a power level in excess of 1000 kilowatts (thermal); provided, however, that Curtiss-Wright shall not operate the facility at a power level in excess of 100 kilowatts (thermal) until provision has been made for cooling by forced circulation.
  - b. Records

In addition to those otherwise required under this license and applicable regulations, Curtiss-Wright shall keep the following records:

    - (1) Facility operating records, including power levels.
    - (2) Records showing radioactivity released or discharged into the air or water beyond the effective control of Curtiss-Wright as measured at the point of such release or discharge.
    - (3) Records of emergency scrams, including reasons for emergency shutdowns.
  - c. Reports
    - (1) Curtiss-Wright shall immediately report to the Commission any indication or occurrence of a possible unsafe condition relating to the operation of the facility.
    - (2) Curtiss-Wright shall inform the Commission of its completion of installation of forced circulation cooling equipment.
5. This license is effective as of the date of issuance and shall expire at midnight June 19, 1977.

FOR THE ATOMIC ENERGY COMMISSION

H. L. Price, Director  
Division of Licensing and Regulation

Date of Issuance: APR 29 1958