LOCKHEED AIRCRAFT CORPORATION, DOCKET NO. 50-172 AND THE GENERAL SERVICES ADMINISTRATION, DOCKET NO. 50-176 NOTICE OF ISSUANCE OF FACILITY LICENSE AMENDMENT

Please take notice that the Atomic Energy Commission has issued, effective as of the date of issuance, Amendment No. 7, set forth below, to Facility License No. R-25. The amendment suthorizes the Lockheed Aircraft Corporation to possess, use, and operate the Radiation Effects Reactor located in Dawson County, Georgia. This reactor was constructed for the Department of the Air Force as a facility exempt from the licensing requirements under Section 91 b. of the Atomic Energy Act of 1954, as amended. Title to the facility was originally vested in the Department of the Air Force and then in the General Services Administration, and the Lockheed Aircraft Corporation was licensed to use and operate the reactor originally in 1962. Lockheed is now in the process of acquiring the General Service Administration's interest in the facility.

The amendment will not become effective until the General Services Administration has formally approved the transfer of title and the Commission has been so notified by the Lockheed Aircraft Corporation. Upon this notification, the General Services Administration's interest in Facility License No. R-86 shall be terminated and Docket No. 50-176 will be closed. Prior public notice is not required since no significant hazard considerations are involved.

Within fifteen (15) days from the date of publication of this notice in the Federal Register, the licensee may file a request for a hearing, and any person whose interest may be affected by this proceeding may file a petition

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9202270061 910725 PDR FOIA SWEENEY91-233 PDR for leave to intervene. Requests for a hearing and petitions to intervene shall be filed in accordance with provisions of the Commission's Regulations (10 CFR 2). If a request for a hearing or a petition for leave to intervene is filed within the time prescribed in this notice, the Commission will issue a notice of hearing or an appropirate order.

For further details with respect to this smendment, see Lockheed Aircraft Corporation's application for license amendment dated January 18, 1966, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C.

FOR THE ATOMIC ENERGY COMMISSION

Original Promise Sy R.L. Doubl

Director Division of Resctor Licensing

Dated at Bethesda, Maryland this day of February, 1966

LOCKHEED AIRCRAFT CORPORATION

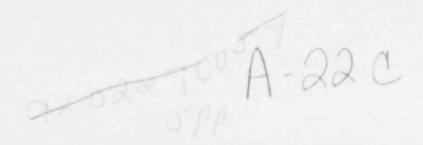
DOCKET NO. 50-172

AMENDMENT TO FACILITY LICENSE

License No. R-86 Amendment No. 7

Upon the transfer of title to the facility by the General Services Administration to the Lockheed Aircraft Corporation and the natification by Lockheed Aircraft Corporation to the Director, Division of Reactor Licensing, of the transfer, License No. R-86, as smended, shall be further smended in its entirety to read as follows:

- 1. This license applies to the Radiation Effects React (RER), a heterogeneous pressurized water-type nuclear reactor (hereinafter "the reactor") which is located on a 10,000 acre site in Dawson County, Georgia, previously known as Air Force Plant No. 67, and described in Lockheed Aircraft Corporation's (hereinafter "Lockheed") application for license dated February 23, 1962, and succeeding amendments thereto, including the application for transfer of license dated anuary 18, 1966, (hereinafter collectively referred to as "the application").
- 2. Pursuant to the Act and having considered the record in this matter, the Atomic Energy Commission (hereinafter "the Commission") finds that:
 - A. he application for amendment dated January 18, 1966, complies with the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations set forth in Title 10, Chapter 1, CFR;
 - B. The reactor as constructed will operate in conformity with the application an in conformity with the Act and the rules and regulations of the Commission;
 - C. There is reasonable assurance that the reactor can be operated at the designated location without endangering the health and safety of the public;



- D. Lockheed is technically and financially qualified to operate the reactor, to assume financial responsibility for payment of Commission charges for special nuclear material and to undertake and carry out the proposed activities in accordance with the Commission's regulations;
- E. Issuance of a license authorizing Lockheed to possess, use and operate

 the facility and to receive, possess, and use the special nuclear material,

 in the manner proposed in the application, will not be inimical to the

 common defense and securi or the health and safety of the public.
- F. Lockheed has submitted proof of financial protection which satisfies the requirements of Commission regulations currently in effect.
- 3. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
 - A. Pursuant to Section 104 c of the Act and Title 10, CFR, Chapter 1, Part 50, "Licensing of Production and Utilization Pacilities," Lockheed to possess, use, and operate the reactor as a utilization facility at the designated location in Dawson County, Georgia;
 - B. Pursuant to the Act and Title 10, CFR, Chapter 1, Part 70, "Special Nuclear Material," Lockheed to possess, but not to separate, such byproduct material as may be incidentally produced by operation of the reactor.
- 4. This license shall be deemed to contain and be subject to the conditions specified in Part 20, Section 30.34 of .art 30, Section 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70, Title 10, Chapter 1, CFR, and to be subject to all applicable provisions of the Act, and to the rules and regulations and orders of the Commission, now or hereafter in effect, and to the additional conditions specified below:

A. Lockheed may operate the reactor at power levels up to a maximum of 3,000 kilowatta (thermal).

B. Technical Specifications

The Technical Specifications contained in Appendix A attached to License Amendments No. 4 and 6, and in Changes No. 1 through 5 to this license (hereinafter referred to as the "Technical Specifications") are hereby incorporated in this license. Lockheed shall operate the facility in accordance with the Technical Specifications. Lockheed may make changes in the Technical Specifications only when authorized by the Commission in accordance with the provisions of Section 50.59 of the Commission's Regulations (Title 10, CFR, Chapter 1, Part 50, "Licensing of Production and Utilization Facilities").

C. Records

In addition to those otherwise required under this license and applicable regulations, Lockheed shall keep the following records.

- (1) Reactor operating records, including power levels.
- (2) Records of all experimental irradiations.
- (3) Records showing radioactivity released or discharged into the air or water beyond the effective control of Lockheed as measured at the point of such release or discharge.
- (4) Records of emergency reactor scrams, including reasons for emergency shutdowns.
- (5) Records of environmental surveys.
- (6) Records of meteorological conditions that prevail during reactor operations such that inversion conditions can be readily identified and the data taken can be used to calculate Argon-41 concentrations to demonstrate compliance with Title 10, Chapter 1, CFR, Part 20.

- (1) Meximum excess reactivity of the facility, not including the worth
 of control rods or other control devices such as burnable poison strips
 or soluble poison, or any experiments;
- (2) Total control rod worth;
- (3) Minimum shutdown margin both at room and operating temperatures;
- (4) Maximum worth of the single control rod of highest reactivity value.

E. Reports

In addition to reports otherwise required under this license and applicable reg lations:

- (1) Lockheed shall inform the Commission of any incident or condition relating to the operation of the facility which prevented or could have prevented a nuclear system from performing its safety function as described in the Technical Specifications or in the Hazards Summary Report. For each such occurrence, Lockheed shall promptly notify by telephone or telegraph, the Director of the appropriate Atomic Energy Commission Regional Compliance Office listed in Appendix D of 10 CFR 20 and shall submit within 10 days a report in writing to the Director, Division of Reactor Licensing, with a copy to the Regional Compliance Office.
- (2) Lockheed shall report to the Commission in writing within thirty (30) days of its observed occurrence any substantial variance disclosed by operation of the facility from performance specifications contained in the Hazards Summary Report or the Technical Specifications.

- (3) Lockheed shall report to the Commission in writing within thirty (30) days of its occurrence any significant changes in transient or socident snalysis, as described in the Hazards Summary Report.
- (4) Lockheed shall make an annual report in writing to the Commission which summarizes the following:
 - (a) Descriptions of the irradiation experiments performed and any unusual events involved in handling or operation.
 - (b) Number of emergency reactor scrams and unscheduled shutdowns with a brief explanation of the cause of each.
 - (c) Principal maintenance performed and replacements made in the reactor and associated systems.
 - (d) Results of environmental surveys in connection with the measurement of on-site soil activation, activated soil transport, and the levels in the Etowah River.
 - (e) Significant changes made in operating procedures and in plant organization.
 - (f) Changes made in the facility and tests or experiments performed pursuant to 10 CFR 50,59 (b) without prior Commission approval.
- Pursuant to Section 50.60 of the regulations in Title 10, Chapter 1, CFR, Part 50, the Commission has allocated to Lockheed for use in connection with the facility 18.8 kilograms of uranium-235 contained in uranium enriched in the isotope uranium-235. Estimated schedules of special nuclear material transfers to Lockheed and returns to the Commission are contained in Appendix B, which is attached hereto. Shipments by the Commission to Lockheed in accordance with Column 2 in Appendix B will be conditioned upon Lockheed's return to the Commission of material substantially in accordance with Column 3 of the Appendix B.

6. This license shall expire on April 14, 1969.

FOR THE ATOMIC ENERGY COMMISSION

Director Division of Reactor Licensing

Date of Issuance:

Appendix A*
Appendix B^