



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

LICENSE AUTHORITY

Superseded

Docket No. 50-172  
DRL:FWK

APR 30 1965

Lockheed Aircraft Corporation  
Lockheed-Georgia Company  
Marietta, Georgia 30061

Attention: Mr. R. I. Mitchell  
Vice President

Change No. 5 to  
License No. R-86,  
as amended

Gentlemen:

This refers to your letter dated August 3, 1964, requesting two changes in the Technical Specifications to reflect modifications in the organization of the nuclear organization at Lockheed. Your request has been designated as Proposed Change No. 5 to License No. R-86, as amended, and considered pursuant to the provisions of 10 CFR Part 50.59.

We have reviewed the Proposed Change and have found that it does not present significant hazards considerations not described or implicit in the hazards summary report and that there is reasonable assurance that the health and safety of the public will not be endangered. A copy of a related Safety Evaluation by the Test & Power Reactor Safety Branch is attached.

Accordingly, pursuant to Section 50.59, 10 CFR Part 50, the Technical Specifications of Facility License No. R-86, as amended, are changed as set forth in Attachment A to this letter.

Sincerely yours,

Original Signed By  
R.L. Doan

Director  
Division of Reactor Licensing

- Enclosures:
1. Attachment A
  2. Safety Evaluation

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CHANGE NO. 5 TO APPENDIX A  
OF LICENSE R-86, AS AMENDED  
LOCKHEED AIRCRAFT CORPORATION

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Section L shall be changed to read as follows:

"L. ADMINISTRATIVE AND PROCEDURAL SAFEGUARDS:

1. ADMINISTRATIVE ORGANIZATION AND STAFFING

a. Organization

The organization which operates the RER shall be responsible for maintenance, calibration, operation and safety of the reactor including the reactor mechanical systems, reactor controls and instrumentation system, cooling system and associated controls, and other related systems. It shall have no experiment program responsibility.

b. Reactor Operations Staffing

At least four men, one of whom is a licensed senior operator, shall comprise each RER operations shift. A licensed reactor operator or licensed senior operator shall remain at the reactor controls, and a second member of the shift team shall be continuously available in the immediate vicinity of the control room at all times except when the master startup switch is in the "off" position.

c. Reactor Safety Committee

The reactor Safety Committee shall report to the Nuclear Products Manager. The Committee shall meet at least quarterly, and shall be composed of the following or their Committee approved alternates:

- Reactor Systems Division Manager
  - Reactor Operations and Nuclear Safety Department Manager
  - Nuclear Laboratory Division Manager
  - Reactor Operations Group Engineer
  - Health Physics Group Engineer
- At least two scientist or engineers not in the operating line organization.  
Consultants as required in the judgement of the Committee

A quorum shall consist of all the personnel listed with the exception of the consultants. Actions of the Committee shall require unanimous concurrence.

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Prior to installation in the RER, the Committee shall review all reactor modifications and new types of reactor experiments. The Committee shall periodically review reactor operating procedures and revisions thereto as well as procedures involving emergency operations and shall audit RER operations at least annually. The Committee shall also review all unplanned shutdowns and other events involving the RER which could be classed as incidents.

2. EMERGENCY PROCEDURES

Detailed emergency plans and procedures, covering all classes of potential GNL incidents, shall be prepared and published in the GNL Emergency Manual. The Emergency Manual shall be reviewed and approved by the Reactor Safety Committee. Dry runs shall be held at least quarterly.

3. GENERAL OPERATING PRINCIPLES

a. Access to Radiation Areas

Detailed procedures for controlling access to potentially dangerous areas shall be provided. Enforcement shall be accomplished by Lockheed Plant Protection.

b. Fuel Element Manipulation

All fuel handling operations shall be conducted in accordance with written procedures under the direct personal supervision of a licensed senior operator.

c. Health Physics Surveillance

Health Physics surveillance shall be continuously provided during reactor operations.

d. Safety and Emergency System Tests

Safety systems and emergency alarm systems shall be tested as a part of the pre-operational check which is accomplished each day that the RER is started.

e. Operating Procedures

Detailed operating procedures shall be followed during startup, approach to power, routine operation at level power, conduct of reactor experiments, maintenance, refueling, shutdowns, and emergencies.

f. Requirements When Reactor is Shut Down

Nuclear control instrumentation shall be in operation and shall be attended and observed at all times during operations which could involve changes in core reactivity when the reactor is shut down. All such operations shall be carried out only under the direct and personal supervision of a licensed senior operator.