



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

~~Proposed~~  
Superseded

Docket No. 50-172  
50-176

NOV 16 1964

Lockheed Aircraft Corporation  
Dawsonville, Georgia

Attention: Mr. R. L. Mitchell  
Vice President

Change No. 4  
License No. R-86, as  
amended

Gentlemen:

This refers to your letter dated August 17, 1964, requesting changes in the Technical Specifications to permit operation of the Radiation Effects Reactor with (1) a relocated external fission counter, and (2) control rods of lower worth than currently authorized. Supplemental information was submitted on September 1 and October 15, 1964. Your request has been designated as Proposed Change No. 4 to License No. R-86, 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 Hazards Analysis by the Test and 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,

R. L. Doan, Director  
Division of Reactor Licensing

- Attachments:  
1. Attachment A  
2. Hazards Analysis

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Superseded

ATTACHMENT A  
LOCKHEED AIRCRAFT CORPORATION  
RADIATION EFFECTS REACTOR  
CHANGES TO TECHNICAL SPECIFICATIONS *Change # 4*

1. Paragraph I.1 (Detector Locations) shall be changed to read:

"The nuclear detectors with the exception of the internal fission counter, shall be mounted in the three fixed quadrants of the upper shield tank. The external fission counter may also be mounted in the removable shield tank section. Whenever the external fission counter is relocated, its reliability shall be demonstrated by cross calibration with the internal fission counter.

The internal fission counter shall be mounted within the reactor pressure vessel. When used during reactor startup, this detector shall be positioned immediately above the core. The detector may subsequently be withdrawn."

2. Paragraph H.4.c (5) (Control System And Operating Limitations): the number "0.12 delta k/k" shall be changed to "0.10 delta k/k."
3. Paragraph H.4.c (7) (Control System And Operating Limitations): the number "0.16 delta k/k" shall be changed to "0.12 delta k/k."

cc  
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