



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

RHODE ISLAND ATOMIC ENERGY COMMISSION

DOCKET NO. 50-193

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 13
License No. R-95

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to Facility Operating License No. R-95, filed by the Rhode Island Atomic Energy Commission (the licensee), dated January 15, 1985, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations as set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the amended license, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied; and
 - F. Publication of notice of this amendment is not required since it does not involve a significant hazards consideration nor amendment of a license of the type described in 10 CFR Section 2.106(a)(2).

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2. Accordingly, the license is amended by changes to the technical specifications as indicated in the attachment to this license amendment, and paragraph 3(b) of Facility Operating License No. R-95 is hereby amended to read as follows:

(b) Technical Specifications

The technical specifications contained in Appendix A, as revised through Amendment No. 13, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the technical specifications.

3. This license amendment is effective on its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Cecil O. Thomas, Chief
Standardization & Special
Projects Branch
Division of Licensing

Attachment:
Appendix A Technical
Specification Changes

DATE OF ISSUANCE:

ATTACHMENT TO LICENSE AMENDMENT NO. 13

FACILITY LICENSE NO. R-95

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Revised Appendix A Technical Specifications are as follows:

Remove Page

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Add Page

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Changes on the revised page are identified by marginal lines.

(2) "The limiting thermal and hydraulic core characteristics based on a 28 element, graphite reflected core are specified below:

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| (a) Maximum Heat Flux | 47,200 $\frac{\text{RTU}}{\text{hr. ft.}^2}$ |
| (b) Maximum Core Specific Power | 1,120 watts/gm U^{235} |
| (c) Maximum Fuel Surface Temperature | 197°F |
| (d) Coolant Velocity during Forced Convection Cooling | 2.65 ft/sec, min. |
| (e) Coolant Inlet Temperature | 115°F max. |
| (f) Average Coolant Temperature Rise | 10°F max. |
| (g) Primary System Bulk Outlet Coolant Temperature | 125°F max. |
| (h) Temperature Margin in Primary Coolant ($T_{\text{sat}} - T_{\text{surf}}$) | 43°F |
| (i) Number of Coolant passes Through Core | 1 |

(3) Principal Nuclear Characteristics of the Core

(a) Core and Control System Reactivity Worth

1. The reactor shall be subcritical by at least 1% $\Delta k/k$ from the cold, Xe-free, critical condition with the most reactive control element and the servo regulating element fully withdrawn.
2. The maximum worth of the servo regulating element shall be 0.7% $\Delta k/k$

(b) Maximum Reactivity Addition Rate - $\Delta k/k/\text{sec.}$

1. By servo regulating element maximum of 0.0002
2. Manual by control element maximum of 0.0002