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

CONSUMERS POWER COMPANY

DOCKET NO. 50-155

BIG ROCK POINT NUCLEAR PLANT

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 36
License No. DPR-6

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Consumers Power Company (the licensee) dated September 25, 1980, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, 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; and

   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.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C(2) of Facility Operating License No. DPR-6 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 36, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Dennis M. Crutchfield

Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 12, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 36

FACILITY OPERATING LICENSE NO. DPR-6

DOCKET NO. 50-155

Revise Appendix A Technical Specifications by removing the following page and inserting the enclosed page. This revised page includes the captioned amendment number and contain a vertical line indicating the area of change.

PAGE
5-8

5.1.6 Sources

Type — Antimony Beryllium

Quantity — Two Initial Sources Up to Four Auxiliary Sources

Location

The initial neutron sources shall be placed in core positions D2-F9 and D9-F2 as shown in Figure 5.1.

Up to four auxiliary neutron sources may be contained within fuel bundles in rod locations normally occupied by fuel rods or inert rods.

Physical Description

The initial neutron sources shall consist of a steel-jacketed antimony pin, 1-inch diameter by 12 inches long, centrally located on the vertical axis of a steel-jacketed (Type 304 SS) beryllium cylinder 5-1/2 OD by 16 inches long. The entire assembly, including support structure, is a cylinder 79-7/16 inches long by 6 inches diameter which rests on a special orifice in a standard support-tube-and-channel assembly. A lifting ball shall be provided for handling purposes. The assembly design shall allow adequate cooling along the surface of the source pin and the outer surface of the assembly.

The auxiliary neutron sources shall each consist of a homogenous 50-50 mixture of antimony-beryllium first encapsulated in a steel tube (Type 304L SS), then secondarily encapsulated in a zirconium alloy tube.

Change No. 35,
Amendment No. 36