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ATOMIC ENERGY COMMISSION
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DEC 1 1963

Docket No. 50-10

Change No. 4

Commonwealth Edison Company
72 West Adams Street
Chicago 90, Illinois

Attention: Mr. D. Robert Bower
Treasurer

Gentlemen:

Commonwealth Edison Company has requested, by letter dated August 5, 1963, authorization to load up to 200 Type III fuel assemblies into the core of the Dresden reactor at its forthcoming refueling.

This request, designated Proposed Change No. 4, was considered pursuant to the provisions of Section 50.59, 10 CFR 50. On the basis of the information submitted in support thereof, it was concluded that Change No. 4 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 related hazards analysis is attached.

In view of the foregoing, the technical specifications to License No. DPR-2 are hereby amended as set forth below.

1. Section B.2, page 1, in its entirety, as follows:

Nuclear Core

| | |
|---|---|
| Maximum Core Diameter (circumscribed circle) | 129 in. |
| Maximum active fuel length - cold | 112 in. |
| Maximum number of fuel assemblies by types | |
| Type I | 352 |
| Type II | 107 |
| Type III | 200 |
| Type PF-8 through PF-12 (one each) | 5 |
| Maximum total number of fuel assemblies | 488 |

*The various fuel assemblies may be located in any position of the reactor, provided overall core symmetry is preserved and provided that fuel assemblies Type PF-8 through 12 are each separated from any other such assembly by at least four Type I, Type II, or Type III fuel assemblies.

The reactor may be operated at any power up to and including rated power with any number of the various types of fuel assemblies installed, provided the maximum number and location are within the limits specified above.

2. Section B.3, page 2, second paragraph, as follows:

The minimum fuel pellet density averaged over a fuel segment is 94% of theoretical for all fuel assemblies except PF-8 and PF-9 which have fuel densities 90% of theoretical.

3. The tabulation in Section D.3, page 12, is amended to read as follows:

| | |
|---|---|
| Fuel Type I | 320,000 |
| Fuel Type II | 410,000 |
| Fuel Type III | 330,000 |
| Fuel Type PF-8 and PF-9 | 470,000 |
| Fuel Type PF-10 through PF-12 | 510,000 |

4. Table II (revised December 31, 1961) is replaced by Table II (revised June 15, 1963) set forth in Commonwealth Edison's application dated August 5, 1963.

Sincerely yours,

R. Lowenstein, Director
Division of Licensing and Regulation

Enclosure:
Hazards Analysis

see attached sheet for concurrences.

| R&PRSB:DL&R | R&PRSB:DL&R | OGC | FL:DL&R | DL&R |
|---|---|---|---|---|
| RSBoyd:mw | RHBryan | | EGCase | RLowenstein |
| 12/16/63 | 12/16/63 | 12/ /63 | 12/ /63 | 12/ /63 |