

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
UNITED STATES ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

November 5, 1960

Honorable John A. McCone
Chairman
U. S. Atomic Energy Commission
Washington 25, D.C.

Subject: REPORT ON BIG ROCK PLANT - CONSUMERS POWER COMPANY

Dear Mr. McCone:

At its twenty-fourth meeting the Advisory Committee on Reactor Safeguards reviewed this application and reported to you in its letter of March 14, 1960. The Big Rock Plant is being designed by the designer of the Dresden Reactor which is now in operation.

The Advisory Committee on Reactor Safeguards was requested to consider certain aspects of reactor containment, control rod design, core instrumentation, and core power density based upon a revised Hazards Summary Report with Amendment #2, dated October 14, 1960. These were considered by a Subcommittee on November 2, 1960 and by the Advisory Committee on Reactor Safeguards at its twenty-ninth meeting on November 3, 1960. Representatives of the applicant, his contractors and the AEC staff participated in each instance. Any future research and development program to be carried out with this reactor was not included in the deliberations.

It is the opinion of the Advisory Committee on Reactor Safeguards that:

- (A) The proposed specifications for the containment are satisfactory with respect to possible exposure to the health and safety of the public;
- (B) The control rods and the in-core instrumentation will perform as well as or better than their counterparts now operating in the Dresden Reactor;
- (C) The proposed program of approach to the power density of 45 kw/liter can be carried out safely; and

November 5, 1960

- (D) A boiling water reactor of the proposed type as outlined in the application with Amendment #2 can be constructed at the proposed site with reasonable assurance that it may be operated as proposed without undue risk to the health and safety of the public.

Sincerely yours,

/s/

Leslie Silverman
Chairman

cc: A. R. Luedecke, GM
W. F. Finan, OGM
H. L. Price, DL&R

References:

Amendment No. 2 to Consumers Power Company Application with
Attachment A, Technical Specifications for Reactor Containment
dated October 17, 1960.

Revised Hazards Summary Report for Big Rock Point Plant dated
October 14, 1960.