

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

October 21, 1958

Mr. Harold L. Price, Director
Division of Licensing and Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.

Subject: YANKEE ATOMIC ELECTRIC COMPANY

Dear Mr. Price:

The Committee finds that there are some matters relating to the Yankee reactor on which it should have more information before it can give its final opinion on the overall safety of this reactor. These are:

- 1) The means that will be used to estimate the distribution of neutron flux and heat flux in the reactor so that the margin of operation below burnout conditions can be determined,
- 2) The results of experiments on the extent of precipitation of solids from water containing the amounts of boric acid and lithium hydroxide expected in the operating reactor under the conditions of temperature, pressure and radiation intensity which will be experienced in the reactor.
- 3) The principles and procedures to be used in operating this reactor,

Would you please arrange to have this information developed for us?

Sincerely yours,

/s/

C. Rogers McCullough
Chairman

cc: Dr. Brooks)
Dr. Wolman) not at meeting