

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
UNITED STATES ATOMIC ENERGY COMMISSION
WASHINGTON 25, D. C.

September 26, 1960

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

Subject: SAXTON NUCLEAR EXPERIMENTAL CORPORATION

Dear Mr. McCone:

The Saxton Nuclear Experimental Corporation's application was considered by the Advisory Committee on Reactor Safeguards at the nineteenth meeting and reported to you in a letter dated September 14, 1959. In March 1960 it was proposed that the use of a multi-layer pressure vessel be considered. This proposal was supplemented with technical information covering the design, construction and test of this type of vessel.

An Advisory Committee on Reactor Safeguards subcommittee reviewed the documents listed and held a meeting with representatives of Saxton, Westinghouse, A. O. Smith Corporation, and the AEC staff. It was determined the history of multi-wall pressure vessels has been good, the technique of manufacture is well established, and satisfactory methods for ultrasonic testing of the vessel and the welds have been developed.

In the opinion of the ACRS the change to a multi-layer pressure vessel designed and constructed specifically for the Saxton reactor will not introduce any additional hazard to the health and safety of the public.

Sincerely yours,

/s/ Leslie Silverman

Leslie Silverman
Chairman

References:

1. Amendment #3, dated March 11, 1960.
2. Multi-layer Construction for the Saxton Reactor Vessel, (WCAP-1391), dated March 1, 1960.
3. Amendment #3, Supplement #1, dated Aug. 22, 1960.
4. Supplementary Technical Information on the Saxton Reactor Vessel, (WCAP-1620), dated Aug. 17, 1960.

cc: A. R. Luedecke, Gen. Mgr.
W. F. Finan, AGM for R&S
H. L. Price, Dir., DL&R