

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

October 11, 1962

Honorable Glenn T. Seaborg
Chairman
U. S. Atomic Energy Commission
Washington, D. C.

Subject: REPORT ON NUCLEAR FUEL SERVICES, INC.

Dear Dr. Seaborg:

At its forty-fourth meeting, October 4-6, 1962, the Advisory Committee on Reactor Safeguards considered the site proposed by Nuclear Fuel Services, Inc., for a plant to process reactor fuels. The Committee had the benefit of discussion with representatives of the applicant and members of the AEC staff, of the reports listed below, and of a visit by a subcommittee to the site.

The site is located in a sparsely populated area in Cattaraugus County, New York, about thirty miles southeast of Buffalo. The proposed plant has a nominal capacity of 1000 kg. per day of nuclear fuels of various types. It will employ a number of chemical processes, most of which have already been used on a substantial scale at other locations. The Committee has not reviewed these processes or the equipment design in detail.

The applicant estimates that for typical operating conditions none of the general public will be exposed to an integrated radiation dose in excess of the limits of 10 CFR Part 20. The most severe accident postulated would not cause exposures in excess of the guides suggested in 10 CFR Part 100. While these limits would not be exceeded, even if releases several times those estimated by the applicant were to occur, such increase in load is not visualized.

Honorable Glenn T. Seaborg

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It is the opinion of the Advisory Committee on Reactor Safeguards that the site selected may be considered as suitable for a fuel reprocessing plant of the type of capacity proposed with reasonable assurance that it may be operated without undue hazard to the health and safety of the public.

Mr. K. R. Osborn did not participate in the discussions of this project.

Sincerely yours,

/s/

F. A. Gifford, Jr.
Chairman

References:

1. Application for Construction Permit & License for a Spent Fuel Processing Plant, Part A - General Information, dated July 25, 1962.
2. Safety Analysis, Spent Fuel Processing Plant, Part B - Vol. I and Vol. II, dated July 1962.
3. Letter from Scharfeld, Bechhoefer, Baron & Stambler, dated September 7, 1962, transmitting additional information to Part B.