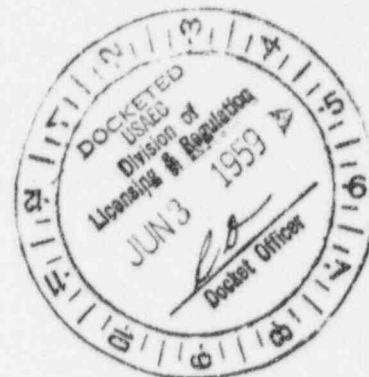


MALLINCKRODT
NUCLEAR
CORPORATION

70-36
File 4
SAINT LOUIS 7, MISSOURI • U.S.A. • CENTRAL 18980

June 2, 1959

Mr. Lyall Johnson, Chief
Licensing Branch
Division of Licensing & Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.



Dear Mr. Johnson:

This letter is a request for an extension of our Special Nuclear Material License #33 to permit the testing of a shipping container for uranium dioxide pellets. The container that will be used is the one which we have already received approval on for shipment of fuel rods for the Northern States Power Critical Facility being constructed by Allis-Chalmers. In these tests, 1.8% enriched uranium dioxide pellets will be sealed in the 10 1/2 inch diameter drums in our Hematite plant and transported to the Gaylord Container Corp., 3000 South Second Street, St. Louis, Mo., by Mallinckrodt personnel. At the Gaylord Container Corp. two drums, each containing 110 pounds maximum, will be given an accelerated road test using machines available at Gaylord. The drums, still in the sealed condition, will then be returned to Mallinckrodt Nuclear Corp. at Hematite for inspection. We would like to run this test as soon as possible and have been told by Gaylord that the equipment is available Monday, June 8.

We are also making a second request--this for the extension of our Source Material License #C-4495 for the purpose of carrying on experiments at Bartlett & Snow, 6200 Harvard Avenue, Cleveland 5, Ohio. These tests have been scheduled for the 17th, 18th, and 19th of June. Bartlett & Snow will be requesting a license for the receipt and storage of 200 pounds of contained, depleted uranium to be held until Mallinckrodt Nuclear Corp. personnel arrive to run the tests. The tests and final cleanup and inspection of the facilities will be under the supervision of Mallinckrodt personnel.

We are anxious to run both of these experiments and would certainly appreciate license approval promptly. Please do not hesitate to wire or call if additional information is needed. Thank you very much.

Sincerely yours,

MALLINCKRODT NUCLEAR CORPORATION

G. W. Tompkin
G. W. Tompkin, Manager
Research & Development

GWT:ckp