

Lyall Johnson, Chief
Licensing Branch

Project SNM-8
Docket 70-36

6-22-59

Edson G. Case, Acting Chief
Hazards Evaluation Branch

MALLINCKRODT NUCLEAR CORPORATION

We have reviewed the Mallinckrodt Nuclear letters of May 11 and May 25, 1959, requesting amendment to License SNM-33 to permit operation of a plant for conversion of UF₆ to UF₄. The application indicates that criticality control throughout the processing steps will be assured through safe geometry of all equipment and containers.

Mallinckrodt has demonstrated to our satisfaction by acceptable calculation methods that the proposed size and spacing of the various equipment is adequate to preclude interaction and consequent criticality. Accordingly, we believe that the plans for the processing plant proposed by Mallinckrodt are satisfactory.

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