

*Dr. Luke*

SNM 8

Docket No. 70-36

Lyall E. Johnson, Chief  
Licensing Branch

Clifford K. Beck, Chief  
Hazards Evaluation Branch

*2-25-59*

**MALLINCKRODT NUCLEAR CORPORATION**

We have reviewed the Mallinckrodt application of January 30, 1959, supplying answers to all but one of the questions raised in my memorandum of January 26, 1959. With the exception of this one question, we have no reservations concerning the safety of the operations proposed for the pelleting facility.

The last paragraph of my memorandum pointed out that under emergency conditions more than limited safe amounts of nuclear material may be accumulated at the furnace area and stored in layers 2" deep, spaced 2' apart. In order to complete our evaluation we must have further information on the dimensions of the layers and the number of layers placed one above the other, together with assurance that interaction between layers of material will not constitute a nuclear hazard.

HEB:DL&R

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CDLuke;jwl

CKBeck

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