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Donald A. Hussbauer, Chief
Source & Special Nuclear Materials Branch, DLR

June 25, 1963

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UNITED NUCLEAR CORPORATION - MANUFACTURE OF URANIUM DIOXIDE
PILLETS HAVING ENRICHMENTS GREATER THAN FIVE PERCENT - DOCKET
70-36 - JANUARY 25 AND JUNE 17, 1963

SYMBOL: DLR:PHO

We have reviewed the additional information the applicant submitted in his June 17, 1963 letter. Delineated below are our comments and the additional information that we will need to complete our nuclear safety review.

The applicant states the pellet batches will be stored in 2 1 metal cans in an array as described in his June 7, 1963 application. We request that the applicant confirm that this is a safe volume for the pellet batches. Also, that the special nuclear material storage array in the pellet room will be isolated from all other special nuclear material, license and contract, as specified in Part 70.57, or an analysis to demonstrate the nuclear safety of the array, if not isolated.

Since the applicant incorporated data from Figure 13, LANS-2415 (see memorandum, Luke to Hussbauer, June 21, 1963), we request the applicant resubmit his shipping procedures if he does not choose to ship the pellets in accordance with his application dated March 2, 1960. Further, in order to amend the shipping procedures as specified in the applicant's letter dated March 2, 1960, we recommend Mr. Christian Beck examine the structural integrity of the container to ascertain that it will meet the 30 foot drop test.

DLR:CEB

Odegaarden:bar

6/25/63

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