



IN REPLY REFER TO:

40-6476

HEADQUARTERS
DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ORDNANCE
WASHINGTON 25, D. C. Mr. Thorkildsen/ymp/79004

ORDIN

2 June 1961

U. S. Atomic Energy Commission
Licensing & Regulation Division
Germantown, Maryland
ATTN: Mr. Lyall Johnson

40-6639
Improvement
msa

Dear Sir:

Reference is made to AEC letter dated 26 May 1961, file L&R: DH-40-6476 to Hdq. DA, ATTN: Lt. Col. Kraul. The following information is provided to support the Ordnance Corps request for a license to procure, possess, fabricate, use, transfer and export depleted uranium or items fabricated from this material.

Each XM101 spotting round contains .414 pounds of depleted uranium. The shell bodies are machined on turret lathes. During machining operations, the cutting tool and spotting round body are continuously wet down by a coolant. The building housing the machining operation has controlled ventilation. Hoods over potentially hazardous machining operations collect and pass the air through electrostatic precipitators.

To date, there has been no incidents of uranium fire. However, the fireman have been trained on actions to be taken in the event of a fire in the area where the depleted uranium is being machined.

It is estimated that from a 20 pound piece of barstock, 14 pounds is waste material. This waste material will be disposed of through Army channels by the Chemical Corps.

With respect to the burning operation described in the "Heavy Metals Manual", a burning ground is used for conventional materials. No depleted uranium has been burned, nor is there any intent to dispose of the depleted waste material in this manner.

Visitors passing through the machining building are required to wear paper aprons, or smocks to insure that their clothing does not pick up any depleted uranium dust. These paper garments are disposed of by burning.

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Inclosed herewith is a statement of the advanced training provided not only to safety department personnel, both contractor and Ordnance, but to engineering and production personnel, as applicable.

The last AEC inspection at Lake City Arsenal by the Albuquerque Operations Office Safety Office reported that controls were good and training adequate. No discrepancies were reported.

Sincerely,

1 Incl
Training &
Experience at
LCA


GERALD D. BURKE
Deputy Chief
Nuclear & Special Components Branch
HSD Division

Copy Furnished:

OCISGO

ATTN: Col. MacMurray