

dated November (M)
70-36

5-8
Applied 5/14/62

$$105 \text{ stacks} \left(0.5''^2 \right) \left(.785 \right) \left(30'' \right)$$

$$5.88 \text{ in}^3 = 96.5 \text{ cc / Tray}$$

$$10,150 \text{ cc} / 105 \text{ trays}$$

$$10,150 \text{ cc} \left(\frac{10 \text{ g } U_2}{\text{cc}} \right) = 101.5 \text{ kg } U_2 \checkmark$$

7 kg U_{25} @ 2.1% enrichment

$$101.5 \text{ kg} \left(.88 \right) \left(.024 \right) = 2.14 \text{ kg } U_{25} \rightarrow 1.2 \text{ kg (Fig 13)}$$

OK due to lack of moderation
~ 7 trays Rf 7-26 TID-7015, Rev 1

7 kg U_{25} @ 5% enrichment

$$101.5 \text{ kg} \left(.88 \right) \left(.05 \right) = 4.46 \text{ kg } U_{25} \rightarrow 0.5 \text{ kg (Fig 15)}$$

checked
telecon 6/22/62

OK
capacity

limit

of 1 tray

Additional
safety is evident
due to lack
of moderation

B-98