

Printed November (M)

70-26

Applied 5-8
5/14/62

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

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

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

$$10,150 \text{ cc} \left(\frac{10.2 \text{ kg}}{\text{cc}} \right) = 101.5 \text{ kg U}_{235}$$

7 kg U₂₃₅ @ 2.19 enrichment

$$101.5 \text{ kg} \left(.88 \right) \left(1.024 \right) = 2.14 \text{ kg U}_{235} \rightarrow 1.2 \text{ kg (Fig 13)}$$

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

7 kg U₂₃₅ @ 5% enrichment

$$101.5 \text{ kg} \left(.88 \right) \left(1.05 \right) = 4.46 \text{ kg U}_{235} \rightarrow 0.5 \text{ kg (Fig 15)}$$

OK
capacity
limit
of 1 tray
Additional
safety is evident
due to lack
of moderation

Checked
Telecon 6/22/62

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