

7/13/69

~~Page~~

3-3

U.S.C. - July 15, 1969 amendment
 "Thin" Plant

Stat. 402.5

Check on amounts of $\frac{H}{X}$ water for various enrichments

Enrichment (13.2) %	$\frac{H}{X}$	Mass, kg, at 775'	Safe Mass for Fully Enrich.
100	0.22	22	28
50	0.44	11	28
20	1.1	4.4	28
10	2.2	2.2	14
5	4.4	1.1	8.0
2	11	0.44	4.6
1	22	0.22	3.0

$$\frac{H}{X} = \frac{235}{9} \times \frac{28 \text{ kg} \times 0.0075}{22 \text{ kg}} = 0.22$$

8-10-64

Section 402.5

5.5" ϕ x 10.5"

$$V = \frac{\pi}{4} D^2 h = 0.787 \times 30.1 \times 10.5 \times 16.4 \times 10^{-3} \text{ l}$$

$$= 4.075 \text{ l}$$

$V_{\text{total}} = 8.15 \text{ l}$ total vol.

UNC states 6 l total vol.

B-243