5-8-64

SNM-8
70-36

Mallinckrodt Chemical Works

Plan to Mfg. for Allis Chalmers several thousand fuel pins cont. UO_2 of theo density. Pins 18" long x 7/16" dia. Each pin 255 g. UO_2, (1.8% enr) Will ship 170 pins in (7 gal, 10¾" ID x 20½" high) W.T. drum, packed in polystyrene foam, in outer (24 OD x 38 23/32" O.Ht.) 55 gal drum braced with steel ~~angle iron or~~ Tee 1" x 1" x 3/16"

$$170_{\text{pins}} \times 255^{g} \times .8815 = \sout{32,216}\ 38,200\ g.\ U \times .018\ (\times .015) = 687.89\ g\ U\text{-}235$$

40,000

[illegible] Vol 7.95 cu ft

[illegible] 55 gal drum [illegible] $\frac{692}{7.95}$ = 87 g/[illegible]

[illegible] (1000 g/[illegible]) [illegible]

[illegible]

5/8/64

[illegible] K-1014 [illegible] 1.8 [illegible] U-[illegible]

[illegible]

7.35 cu ft

[illegible] 7 gal [illegible] OK [illegible] 2 kg safe [illegible]

$\frac{2000 g}{7.35}$ = 270 g/cu ft (medium [illegible])

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