

Additional heat required to form As_2O_3 slurry
or filter cake —

Conditions — 30 lbs dry solids.
Slurry 30% moisture
Cake 1% moisture.
fuel oil calorific value 186,750 BTU/gal.
Heat of vaporization 964.54 BTU/lb.
Water temp in slurry 40°F.

Reqd. — Raise temp of 18000 lbs water from
(Slurry) 40°F to 212°F
1 BTU per deg/lb.

$$18000 \times 172 = 3,096,000$$

convert to steam

$$18000 \times 964.54 \quad \underline{17,361,720.}$$

total BTUs reqd $20,457,720 / \text{day}.$

$$109,642 \text{ gals fuel} \\ \times 2.05 = \$224.72 / \text{day}.$$

(filter cake) Raise temp of 4200 lbs water from
40°F to 212°F

$$4200 \times 172 \quad 722,400$$

convert to steam

$$4200 \times 964.54 \quad \underline{4,051,068.}$$

total BTUs reqd $4,773,468 / \text{day}.$

$$25.56 \text{ gals fuel} \\ \times 2.05 = \$52.40 / \text{day}.$$

difference in fuel cost.

$$\begin{aligned} & \$172.37 / \text{day} \\ & \$60,330 / \text{yr} \end{aligned}$$

The following are the names of the persons who have been
 appointed to the various positions in the
 various departments of the Government.

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James H. Thompson

11/10/1944

1900

1. *Pharmaceutical industry*—United States—History. I. Title. II. Series.