

7/27/00

## Public Comments

40 Gwd/t  $\rightarrow$  377 watts/bundle

$$60 \text{ Gwd/t} \Rightarrow \frac{60}{40} \times 377 = 565.5 \text{ watts/bundle}$$

700°C rise takes 51 hours at 400 watts/bundle

700°C rise takes 34 hours at 600 watts/bundle

$$51 + (34 - 51) \frac{565.5 - 400}{600 - 400} =$$

$$51 + (-17) (.8275) = 36.93 \text{ hours}$$

$\Rightarrow$  700°C rise takes 36.93 hours at 565.5 watts/bundle

1.85

$$20^{\circ}\text{C} \text{ to } 600^{\circ}\text{C} \Rightarrow 580^{\circ}\text{C} \text{ delta}$$

$$90^{\circ}\text{C} \text{ to } 600^{\circ}\text{C} \Rightarrow 510^{\circ}\text{C} \text{ delta}$$

$$\frac{580^{\circ}\text{C}}{700^{\circ}\text{C}} \cdot 36.93 \text{ hours} \cdot \frac{1 \text{ day}}{24 \text{ hrs}} = 1.28 \text{ days}$$

$$\frac{510^{\circ}\text{C}}{700^{\circ}\text{C}} \cdot 36.93 \text{ hours} \cdot \frac{1 \text{ day}}{24 \text{ hours}} = 1.12 \text{ days}$$

$$40 \text{ Gwd/t} \Rightarrow 1.28 \cdot \frac{60}{40} = 1.92 \text{ days}$$

SFL

7/25/00

Gap release issue

5 years of decay

release fractions from ISE-5

other release fractions

12 for fuel fines

100% for volatiles

Atiabari leach calc - see Chris ~~Boyd~~ Boyd

how long to go to 600°C

how long to go to 800°C

After 24 hours will gap release smart.

By 24 hours you could dump sand on it.

"Try to answer gap release question by using RVL's results for gap releases."

CT said: