2/5/01
at 5:00 p.m

Decomposition of ruthenium oxide

- CRC says it decomposes, but does not give the rate.

Ru release rate of .01%/minute @ 800-850 K

$$\frac{.01\%}{min} \times \frac{60\ min}{hr} \times \frac{24\ hr}{day} = 14.4\%/day$$

- seems high

NUREG/CR-6218 shows $\frac{.606\%}{10\ hr} \cdot \frac{24\ hr}{day} = 1.45\%/day$ at 873 K

3rd bullet on page 16

Release rates low before sheath oxidation - (could not get out; no hole in sheath)

Peak release rates (in steam) after complete sheath oxidation not very temperature dependent. -

6/14