8/20

John - I s/w Vivian Campbell about the individual contaminated by the watch. She will try to find out when it was purchased, and when it was returned to. It was about 3 years old. She will ~~also~~ also try to find out if any lot # or other identifier on watch. (Rolex replaced it already)

She also notified R4 Alley Coord, so this may be referred to Roy eventually. Also she notified Pat Vacca.

Rough dose estimate ≈ 0.003 rem

I did not contact St. of NY. Craig was out today, and without purchase location, I thought it best to wait for more possible info.

OK (R)

12/10/93 No add'l info ever received. BG

Rolex Watch

8/20 1:30p Vivian -

wearer is a member of general public, at Sandia Labs, handles 3H gunsight at work and home. All gunsight were wipe tested were clear. So watch

1000 pCi of face of watch
— pCi on back

Wife was also contaminated

After stopped, urine levels dropped
Watch ~3 years old

He returned the watch to Rolex
The Region 4 Alley Cond was notified. So was Pat Vacca
Vivian will try to find out where it was purchased and returned

8/20 1:15p Bruce Carrico - heard about incident from Pat V. Not surprised
NUREG-CR-0216 1978
"Rad Dose Estimates from 3H Painted Dials"

8000 pCi/l

STD MAN 70 kg x 80% water
= 56 kg
≈ 56 l

$$\frac{8000\,pCi}{l} \times 56\,l \times \frac{1\,uCi}{1E6\,pCi} = 0.5\ uCi$$

ALI (ing) = 80,000 uCi

$$\frac{5\,rem}{80000\,uCi} \times 0.5\,uCi = 3.1E-5\ rem$$
$$= 3.1E-2\ mrem$$