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Transfer of Very Low-Level Waste to Exempt Persons for Disposal

Comment On: NRC-2020-0065-0001

Transfer of Very Low-Level Waste to Exempt Persons for Disposal

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General Comment

The CRC Handbook of Chemistry and Physics 57th edition pg B-40 says that the maximum body burden of polonium 210 is 0.03 micro Ci. This is a particle weighing 6.8×10^{-12} gr. it goes on to say "weight for weight it is about $2.5 \times 10^{+11}$ times as toxic as hydrocyanic acid". It states that 50% will vaporize at 55 deg C (131 deg F). This is a temperature easily obtained in a ground fill containing decaying organic wastes. It's own decay generates a large amount of heat.

I know that your bill says "very low level waste", but to think your screening will not let 0.00000000000006.8 gm sneak in is ludicrous.

Dairies in Fallen Nevada had to dump their milk in 2007 for Polonium 210 contamination. The concentration of Polonium 210 in the drinking water was measured in 25 wells and ranged between 0.1 to 67.7 pico curies per liter. (do you know how many liters of water a cow drinks per day?)

I think it is complete folly to think transferring of " very low level" waste to exempt person for disposal is a good idea.

I believe this would be a "Trumpian" screw up.