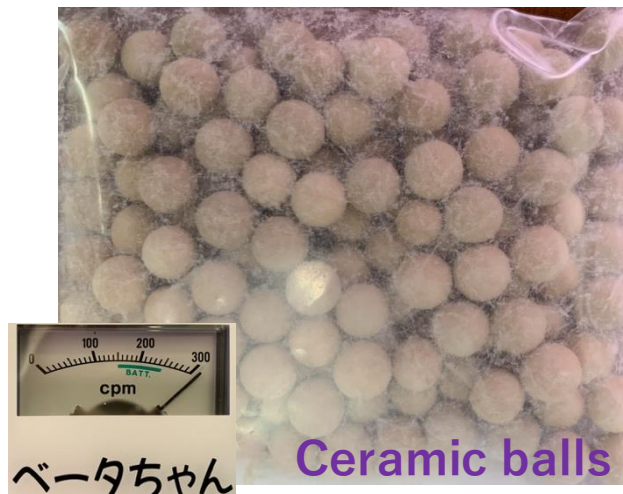


Incident Cases:

Dosimeters detected radiation exposure although the workers were not working in a radiation exposure task

Case 1 :

The dosimeter was found stored together with natural radiation sources: a thorium tungsten rod, potassium chloride, a thorium-added mantle, and radium ceramic balls.



Case 2 :

On the floor below the room where the dosimeter was stored, a gamma radiation irradiation device had failed, the shutter would not close completely, and radiation was leaking into the office on the upper floor.



※ With some irradiation devices, even when the radiation source is stored, radiation is leaked at a level detectable by a survey meter when the door is open like this.

※ Some devices are designed with a leakage dose rate of $2 \mu\text{Sv/h}$ or less at the device surface.



LESSON :

- If the administrator has designated a storage location for dosimeters, **store them in the designated location.**
- Do not place natural radiation sources near desks or other personal items.
- Areas where the **dose rate increases** during the use of irradiation equipment or accelerators must not be designated as storage locations for dosimeters.
- If possible, measure the dose rate at the storage location before storing the dosimeter.