

# Radiation Exposure

EPSC Learning Sheet June 2023



## What Happened:

During a tank entry a contractor was exposed to radiation of the level detector that uses radioactive radiation.



## Aspects:

- Some level detectors on tanks use radioactive radiation, that can be very dangerous when being exposed to it.
- See the international sign of radiation hazard. Personnel and contractors must be informed and aware of the hazard.
- Each site using radioactive radiation must have a person specialized on the topic, managing the radiation source & hazard.
- The tank entry permit asks the question whether a radioactive source must be shut prior to tank entry. This was not identified or mentioned on the permit, in this case.
- Assure vessel entry is physically blocked when a high energy radiation source is active.

Assure radioactive sources are shut or removed before tank entry