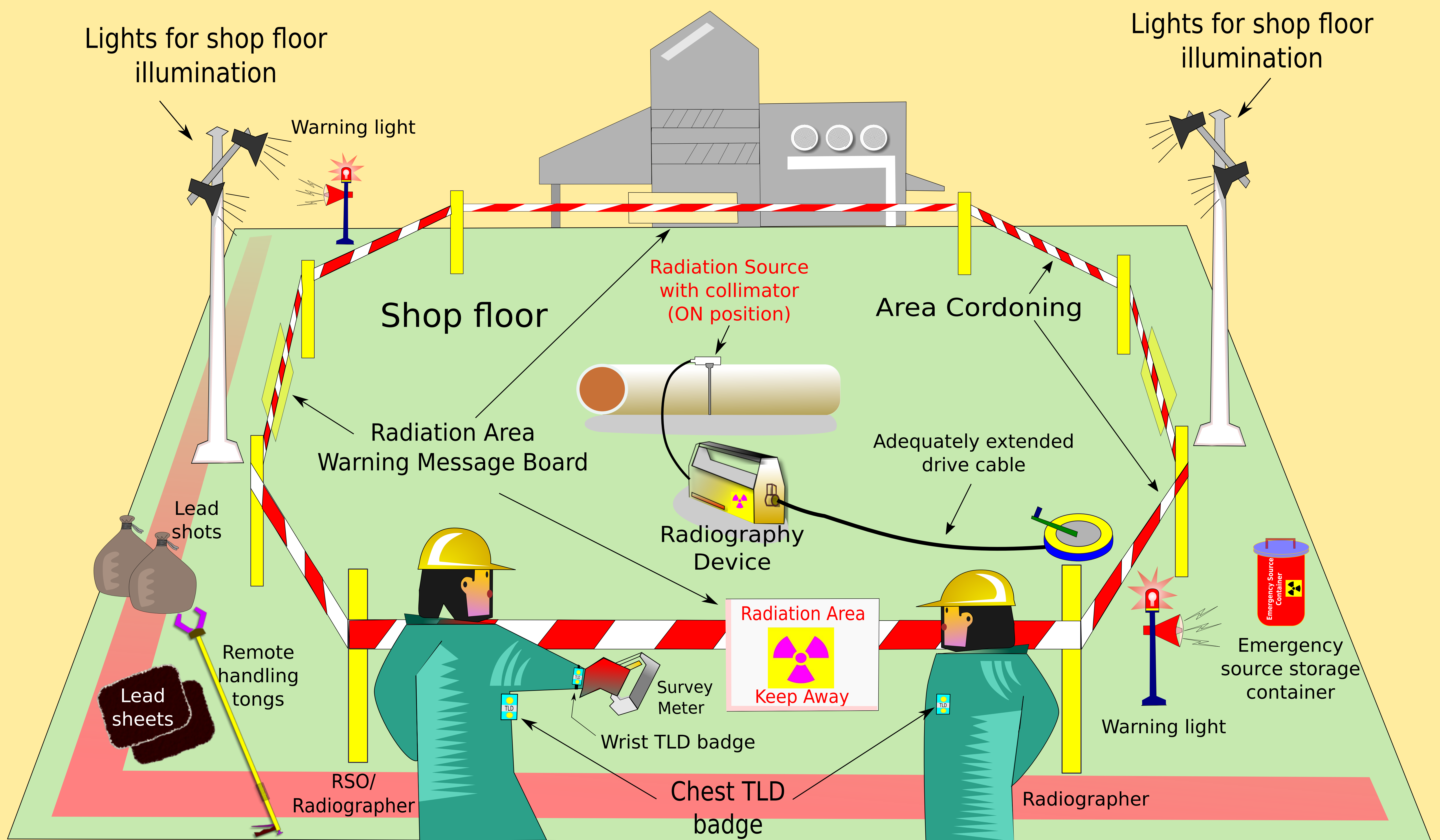


Radiological Safety in Open Field Industrial Radiography

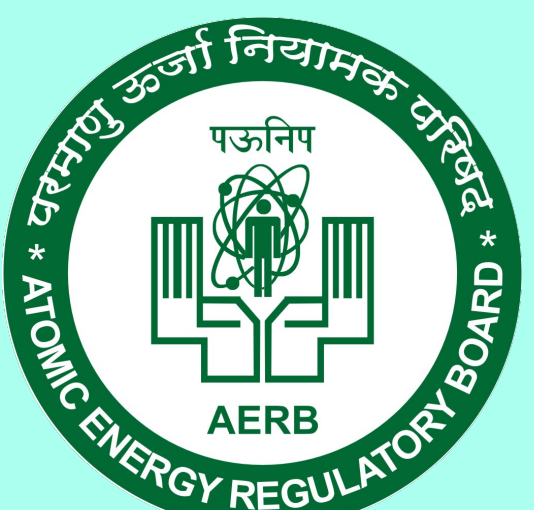


- ➔ Always carry out open field/shop floor radiography work when it is of nil or low occupancy (e.g. late night time, holidays).
- ➔ Always ensure that radiography device (also called camera) is operated by certified radiographer under the guidance of Radiological Safety Officer (RSO).
- ➔ Never allow a helper/other auxiliary staff to operate the exposure device.
- ➔ TLD badges should be worn by all radiation workers.
- ➔ Use working & calibrated survey meter appropriately at radiography site.
- ➔ Carry out field radiography with proper collimator.
- ➔ Do not allow simultaneous operation of two or more radiography devices in same cordon off place.
- ➔ Ensure proper illumination of radiography place.
- ➔ Ensure availability of emergency handling tools e.g. remote handling tongs, emergency source storage container & lead sheets/shots at the site.
- ➔ During set-up, extend the drive cable and the guide tube of the gamma exposure device and the electrical cable of the X-ray machine adequately.
- ➔ Properly cordon-off the area of open field/shop floor radiography. Ensure to display warning signs on cordoning tapes.
- ➔ Ensure to provide warning light around the cordoned area during radiation exposure.
- ➔ Do not allow anybody to enter the cordoned area. The cordoned area should be under observation through out the exposure.

➔ **Trainee shall be made aware of radiation hazard and safety** ◀

Store TLD badge properly: After work, keep TLD badge at a common place identified by RSO which is away from radiation area.

In case of any incident involving radiation source/device, inform Employer/RSO immediately.



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Atomic Energy Regulatory Board (Government of India)
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Ensure that AERB booklet on radiation safety for auxiliary staff is read and understood by all auxiliary staff.

This poster should be displayed at prominent location at the radiography site office for notice and due adherence by all radiations workers.
(Recommended print size: 4 ft x 3 ft)