

Thermoluminescent Dosimeters (TLD) Video Transcript

Emergency workers responding to an incident who may receive a radiation exposure will be issued a Thermoluminescent Dosimeter (TLD).

A TLD records the amount of gamma radiation exposure for each individual emergency worker.

A TLD is issued to a single person by serial number, for use by that person alone during the incident. This means you keep the same TLD for the duration of the incident and do not swap or share TLDs with anyone.

The TLD badge should be worn on the front of the body about chest level, with the small circular window facing outward.

Wear the TLD at all times during the radiological incident.

The TLD provides a permanent exposure record.

The TLD cannot be read in the field by the responder but is sent to an independent laboratory for reading at the conclusion of the incident as stipulated in standard operating procedures or guidelines.

It is very important to complete the proper documentation that is required when using a TLD.

Forms are used to track dosimetry issued to individual emergency workers and provides a permanent exposure record.

Be sure to record the necessary information on the individual exposure form or log issued to you prior to beginning work.

Each TLD has a unique 7 digit serial number located on the bottom left on the concave side of the badge.

Write the TLD serial number in the appropriate section of the exposure form or or exposure log supplied along with the EWEC equipment.

Keep your TLD until you are released from all response work.

If you lose your TLD, report it immediately.

Emergency workers will return TLDs and completed exposure forms or logs to their supervisor for processing at the conclusion of the incident.

Direct any questions about your dosimetry to your supervisor.