

**EMERGENCY WORKERS (EW)  
PERSONNEL/EQUIPMENT MONITORS (PEM)  
Radiation Dosage Limits  
TEDE (Total Effective Dose Equivalent)**

EW: Protecting Property, Patrolling Evacuated Areas, and Manning Check Points  
PEM: Monitoring evacuees/EWs and equipment for radiation contamination.

	<u>TEDE</u>	<u>Dosimeter</u>
Seek Relief	200 mrem	100 mR
Daily Maximum	1 rem	500 mR
MAXIMUM for ACCIDENT	5 rem	2.5 R
Evacuating Known Residents	10 rem	5 R
Fighting Residence Fires	10 rem	5 R
Life Saving	25 rem	12.5 R

Alabama Radiation Control

## FOR EWs and PEMs

- All emergency workers are advised to make a reasonable effort to limit their total dose, while at the same time accomplishing their emergency responsibilities.
- Read dosimeters and record at least every 30 minutes.**
- Do not take Potassium Iodide (KI) until instructed by your county EMA.
- Control your exposure to radiation by your time, distance and shielding.**

## FOR PEMs ONLY

- Contamination level in Alabama is (2x) twice background (open window) and will warrant decontamination.
- Monitoring technique: 1 inch away and move 1-2 inches per second.**
- On lowest scale (x0.1), the Ludlum 14C meter scale will read 0-600 cpm.
- Do a response check and calibration verification, cover probe, and obtain background.**
- Use CPM scale when monitoring for contamination.

---

Alabama Radiation Control