**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.

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

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.

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