HAZ MAT 8 STEP PROCESS

Site Management	1. Establish Command 2. Safe Approach and Position 3. Establish Staging 4.Establish Security Perimeter 5.Establish Hazard Zones 6.Rescue and Protective Actions **Staging Areas** 3 min from scene **LEVEL I:** Initial Arriving Units **LEVEL II:** Base For Incoming Resources **Public Protection Actions** "Protecting in Place" or "Evacuation"
ID The Hazard	7 basic clues: 1.Occupancy and Location 2.Container Shapes 3.Markings and Colors 4.Placards and Labels 5.Shipping Papers and Facility Documents 6.Monitoring and Detection Equip 7.Senses ***Pressure Tanks*** MC307/DOT 407, MC 312/DOT 412, MC338/ DOT 438 *Non-Pressure* Tanks MC 306/DOT 406
Hazard risk & Evaluation	**(TLV/TWA)** 8 Hrs Daily 40 Hrs a Week **(TLV/STEL)** 15 Min 4 X Daily W/60 Min Breaks **(TLV/C)** Max Concentration **(PEL)** 90% suffer no effect in a 40 hr week **3 types of Container Stress:** Thermal Stress- Mechanical Stress- Chemical Stress-
PPE	**PPE** Is not a Chemical Protection **SCBA** the min level of Resp Protection
Info & Resource Coordination	**Reference Manuals and Guidebook** Use the Most Conservative Reference **Technical information Centers** "Chemtrec" 24 hours a Day 800 424 9300 Use 3 Sources Min
Implement Objectives	**Storage Tanks** up to 100 ft req (500 gpm) 100 ' – 150' req (1000 gpm) Over 150' req (2000 gpm) Pressure Vessels req 500 gpm min at the Point of Flame Impingement **Rescue problems to 3 categories:** **1.** Exposed/harmed 2. Disoriented/Disabled by the Haz Mat **3.** Planning/Executing a Technical Rescue **Tactical Options** **Flammable Liquid Emergencies** **3 categories:** ***Non-Intervention***- No Win Situation *Defensive Tactics*- Temporary Measure until Resources Arrive, *Offensive Tactics*- 15 min Application Time for Flamm Liq Spills and 65 min for Tanks Concern is Direct Flame Impingement/Radiant Heat When water stops producing steam, the lines should be shut down. Treatment Evacuation and Protect in Place must be continually monitored ◆ 1 ¾ foam line and dry chem extinguisher when offloading Flamm/comb liq ◆ Have an escape signal known by the crew ◆ Continually monitor the situation ◆ Remain alert (everyone) **Bombs** – Evacuate up to 200 yds min **No chance for Survival if:** 19.5% O2 > 10 % Flamm Vapor PEL for 10 – 15 min **Drug Labs**: Chemical Fires – Don't turn off Utilities, Use min Water. **Bonding:** 1st is to the damaged vehicle first 2nd is to ground 3rd is from the damaged tank to the pump off tank 4th is from the pump off tank to ground
Decon	Consider early **Decon Site Selection** upwind, uphill, Remote from drains, waterways, Close enough to limit the spread of Contaminate "Decon Corridor" (a pathway from the Hot Zone to the decon area) should be marked **Decon team:** Usually one PPE level below of the Entry Crew
Terminate	Just because the emergency is over doesn't mean the incident is over