CONFINED SPACE SAFETY







GRAIN STORAGE STRUCTURE **ENTRY** PROCEDURES:

- CLARIFY TASKS TO PERFORM DURING ENTRY
 - Why does someone need to enter?
 - Explore alternatives to entering for the reason identified in previous step.
 - Prepare for entry:
 - Obtain tools, equipment, & PPE needed for the specified task.
 - Gather trained entrant and observer
- VERIFY "ZERO ENERGY" IN THE SYSTEM BEFORE ENTRY
 - Shut off ALL grain loading and unloading equipment.
 - Shut off any rotating or moving mechanical equipment inside the bin.
 - Lock out and tag out each power source to prevent equipment from being turned on while someone is inside.
- TEST THE AIR QUALITY PRIOR TO AND DURING ENTRY
 - Oxygen Level: Do not enter if < 19.5% or > 23.5%
 - Carbon Monoxide: If present, identify source. Danger if >25 ppm
 - Hydrogen Sulfide: No entry if detectable
 - Dust: No entry without N₉5 or better if you can't see >5 ft in front of you
- DETERMINE RISK OF STRUCTURE & CONDITION OF MATERIALS If any of the following are a "yes", entrant MUST wear body harness that is tied off to grain bin

structure.

- Is the grain bridged? Solid surface may collapse with weight.
- Is grain uneven at the top? Grain can fall from walls and engulf entrant.
- Do the walls slope inward, or the floors slope downward? Building shape can lead to trapped entrant.
- COMPLETE AN ENTRY PERMIT OR CHECKLIST This permit/checklist identifies critical safety issues to check before allowing entry.
- **ALLOW ENTRY ONLY IF:**
 - All steps above are completed.
 - Observer remains outside of the entry area to watch entrant at all times.
 - Communication between entrant and observer are maintained.
 - Observer is trained, able, and equipped with phone, to call 911 for rescue.