Confined Space and Elevated Rescue Preparedness

Battalion Chief Aaron Bolinger
abolinger@warsaw.in.gov

1

Aaron Bolinger

- 26 years as a Firefighter
- 15 years excavating experience
- MSHA surface miner
- OSHA authorized General Industry Trainer

2

Emergency Action Plan

CALL

911

Illusion of Safety

Standards to Evaluate By

- NFPA 1006
  - Establishes job performance requirements for personnel. (JPR)
  - Authority having jurisdiction establishes instructional priorities and program content.
  - Level I and Level II Technical Rescuer

- NFPA 1670
  - Identifies and establishes levels of functional capabilities for conducting operations.
  - Not the intent of the document to be applies to individuals and their skills or qualifications.

NFPA 1006 (Rescuer)

- Level I Technical Rescuer: Identify hazards, use equipment and apply limited techniques.
- Level II Technical Rescuer: Identify hazards, use equipment and apply advanced techniques.

9

NFPA 1006 (Elevated Rescue)

- Level I Rescuer: Can set up the system for rescue.
- Level II Rescuer: Can perform rescue while suspended from a rope.

10

NFPA 1006 (Confined Space)

- Level I Rescuer: Understand the danger and can provide rescue.
- Level II Rescuer: Understand the dangers, can mitigate hazards, and provide rescue.

11

NPFA 1670 (Organization)

- **Awareness Level**: Minimum capabilities of organizations that provide response to technical rescue.
- **Operations Level**: Organizations ability to identify hazards, use equipment, and apply limited techniques to support and participate in technical rescue incidents.
- **Technician Level**: Organizations ability to identify hazards, use equipment, and apply advanced techniques to coordinate, perform, and supervise technical rescue incidents.

12

Awareness Level

Rope (Elevated Rescue)

- Recognize the need.
- Identify resources necessary.
- Site control/Scene management.
- Recognize hazards.
- Utilizing PPE

Confined Space

- Recognize the need.
- Establish communications with victim if possible.
- Recognize hazards associated with non-entry.
- Recognizing confined spaces.
- Perform non-entry rescue.
- Identify resources necessary.
- Site control/Scene management.

13

Operations Level

Rope (Elevated Rescue)

- Selecting, using, and maintaining rope rescue equipment and rescue systems.
- Self Rescue
- Securing patient in a litter

Confined Space

- Protecting personnel hazards within a confined space.
- Identifying rescue entrant, back-up rescue entrant, rescue attendant, rescue team leader.

14

Confined Space Operations cont.

- Internal configuration of space is clear and unobstructed
- Victim can be easily seen from outside.
- Rescuer can pass easily through access/egress openings.
- Space can accommodate two or more rescuers
- All hazards in and around the space have been identified, isolated and controlled.

15

Technician Level

Rope (Elevated Rescue)

- Accessing a patient by climbing up or down natural of man-made structures with significant fall hazards.
- Moving patients along a horizontal path above obstacles.
- Rescue of a person suspended from, or stranded on a structure or landscape.

Confined Space

- Developing hazard isolation and control requirements.
- Planning response for entry-type confined space rescues in hazardous environments.

16

When you call 911, who's coming?

17