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Course Overview

- Session 2
 - Trench Operations
 - Preparation Incident Termination
 - Your Team
 - Student Exercise
 - Final Exam
 - Trench Victim Scenario.



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Course Objectives

- Conduct a size-up of a trench excavation to identify the potential hazards to victims and rescuers (NFPA 1006 12.2.1)
- Implement a hazard control plan (NFPA 1006 12.2.2)
- Develop a shoring plan for a nonintersecting trench ≤ 8' deep (NFPA 1006 12.2.3)
- Implement a trench shoring plan for a nonintersecting trench ≤ 8' deep (NFPA 1006 12.2.4).



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Course Objectives

- Release a victim from soil entrapment in a nonintersecting collapsed trench ≤ 8' deep (NFPA 1006 12.2.5)
- Remove a victim from a trench (NFPA 1006 12.2.6)
- Disassemble support systems at a trench emergency incident (NFPA 1006 12.2.7)
- Terminate a technical rescue operation (NFPA 1006 12.2.8)



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Operations At Trench Rescue Incidents

Preparation



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Trench Rules

- 🙀 > 4' A Ladder Must Be Used
- > 5' The Trench Must Be Shored
- ≥ 4' Must Have A Stairway, Ladder, or Ramp Every 25' of Lateral Travel
- Ladder Must Be Secured and 3' Above The Lip of the Trench.



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Surface Encumbrance Trees, Boulders, Etc. Must Be Removed or Supported Underground Feature Protection Organization (UFPO) − 1-800-962-7962 A.K.A. Dig Safe in New York Mark out utilities Done prior to beginning work.

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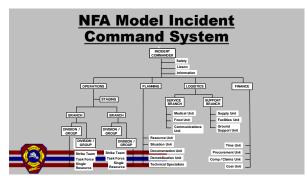


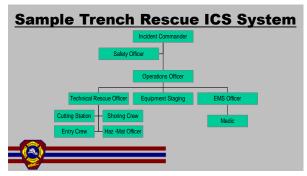


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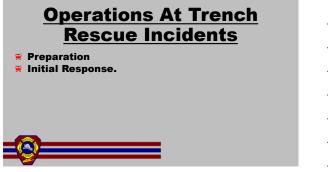


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Operations At Trench Rescue Incidents Preparation Initial Response Assessment and Planning Develop an Incident Action Plan (IAP).

Establish Zones

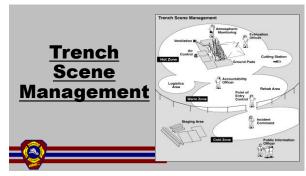
To Protect:
Rescuers
Victim(s)
Civilians.

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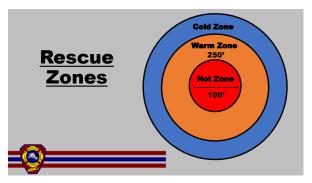


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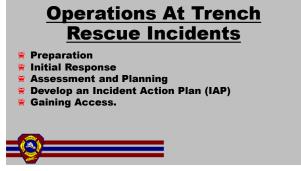


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Gaining Access

Placing Panels and Struts

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Timber Framing

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Operations At Trench Rescue Incidents Preparation Initial Response Assessment and Planning Develop an Incident Action Plan (IAP) Gaining Access Disentanglement.

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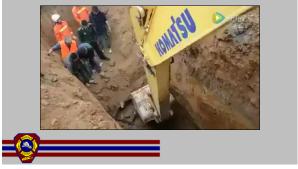


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Magnitude of Problem Most Soil Removal Will Be Done By Hand May Be In Excess of 20 - 30 Tons! Never Use A Backhoe or Excavator To Gain Access.

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Free The Victim Completely

- Never attempt to pull a partially buried victim out (even if its just a buried limb - i.e. leg).
- Dig by hand and use caution when getting close to victim with any type of entrenching tool.
- Do not use heavy, digging equipment.
- Consider Vac-Truck for soil removal.



62

Operations At Trench Rescue Incidents

- Preparation
- Initial Response
- Assessment and Planning
- Develop an Incident Action Plan (IAP)
- Gaining Access
- Disentanglement
- Victim Packaging and Removal.



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Operations At Trench Rescue Incidents Preparation Initial Response Assessment and Planning Develop an Incident Action Plan (IAP) Gaining Access Disentanglement Victim Packaging and Removal Incident Termination.

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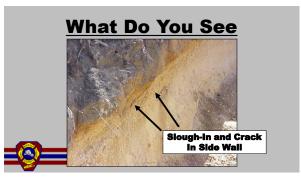


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Questions?

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