Division 12
March 2023 - TRT Drill

Host: Wood Dale Fire Department

Date(S): March 13th (Gold), 14th (Black), 15th (Red)

Time: 0900-1200

Topic: Trench rescue

Description:

Wood Dale is hosting a trench training focusing on a three-panel set, victim removal, and the coordination and operation of heavy equipment.

Contact:
Paul Drawz – *Wood Dale Fire Department*
Contact - (224) 520-1173

Location:
221 Forest View
Wood Dale, IL
Forest view house (Exact location is on a construction site)

OSMF JPR Objectives
Operations Level: 8.1.01 Conduct a size-up; 8.1.02 Implement a trench emergency action plan; 8.1.03 Implement support operations; 8.1.04 Support a nonintersecting straight wall trench; 8.1.05 Terminate a technical rescue operation; 8.1.06 Remove a victim from a trench; 8.1.07 Disassemble support systems Tech Level: 8.2.03 Construct load stabilization systems; 8.2.04 Lift a load; 8.2.05 Coordinate the use of heavy equipment; 8.2.06 Release a victim from entrapment by components of a collapsed trench

Apparatus Needed – Trench equipment is needed for a three-panel set

Scheduling Notes:

1) TRT training is typically the second Monday, Tuesday, and Wednesday of each month or as modified to address potential or known conflicts in advanced.
2) The location for the training when indicated as TBD/ Regional permits multiple training sessions to occur on the same date and the same topic, however, at a location, which better accommodates TRT team members. Locations to be finalized one month prior to the training date.

DIVISION 12 TRT INSTRUCTOR GUIDE
LESSON PLAN

Lesson Title: Trench Rescue – Operations level
Level of Instruction: Division Technical rescue team
Method of Instruction: hands-on
Learning Objective: Liner Trench Operations
References: 29CFR1926, NFPA 1670, OSFM referenced objectives
Location: Forestview house (Exact location is in a construction site)
Time/dates: March 13th, 14th, and 15th
Instructor: Coordinator Paul Drawz
Materials Needed: Trench rescue assets owned by the Division, including Squad 77. Coordination of heavy machinery with the Village of Wood Dale and personal rescue gear.
Safety Hazards / Identification: The construction site includes tripping hazards. Wear appropriate PPE (high-ankle boots, helmets, gloves, and safety glasses when operating around a live trench. Additionally, a live trench is inherently dangerous regardless of the purpose (training or work-related activity); caution should be exercised when operating at the training site.
Step #1 Lesson Preparation: Safety briefing Gear assembly Mission objectives Site preparation by the instructor

Step #2 Presentation:	**Step # 3 Application**:
Terminal objectives: 1) Straight trench operations 2) Lifting object 3) Coordinating heavy machinery Crews will accomplish the following skills in response training: 1) Insert a 2-3 panel set in a straight trench 2) Lift a heavy load 3) Free and remove a victim 4) Coordinate the use of heavy equipment	Illinois OSHA – Trench rescue standard. OSFM: Objectives on the attached document.

Step #4 Evaluation: SWBAT (Student will be able to) successfully demonstrate the abovementioned skills. The instructor shall complete a Target Solutions assignment acknowledging that all participants have completed the skills reviewed.	

OSFM Objectives – Select all that apply	
	Rope Operations
☐	6.1.01 Direct a team
☐	6.1.02 Direct a lowering operation
☐	6.1.03 Construct a multiple-point anchor system
☐	6.1.04 Construct a compound rope mechanical advantage system
☐	6.1.05 Construct a fixed rope system
☐	6.1.06 Direct the operation of a compound rope mechanical advantage system
☐	6.1.07 Ascend a fixed rope in a high-angle environment
☐	6.1.08 Descend a fixed rope in a high-angle environment
	Rope Technician
☐	6.2.01 Complete an assignment
☐	6.2.02 Manage the movement of the victim
☐	6.2.03 Function as a litter tender
☐	6.2.04 Direct a team (victim removal)
☐	6.2.05 Direct a team (highline construction)
☐	6.2.06 Direct a team (highline operation)
☐	6.2.07 Access a victim
☐	6.2.08 Isolate and manage potentially harmful energy sources
	Confined Space Operations
☐	7.2.01 Initiate a Search Inside a Confined Space in those Areas Immediately Visible
☐	7.2.02 Perform Size-up of a Confined Space
☐	7.2.03 Conduct Monitoring of the Environment
☐	7.2.04 Assess the Incident
☐	7.2.05 Control Hazards
☐	7.2.06 Apply and Use Self-Contained Breathing Apparatus (SCBA) as a Rescue Entrant
☐	7.2.07 Apply and Atmospheric Respirator to a Victim
☐	7.2.08 Perform Full Spinal Immobilization of a Victim Inside a Confined Space
☐	7.2.09 Prepare for Entry into Horizontally Oriented Confined Space
☐	7.2.10 Enter a Horizontally Oriented Confined Space for Rescue

☐	7.2.11 Package a Victim in a Liter for Removal from a Horizontally Oriented Confined Space
☐	7.2.12 Assemble a Portable Anchor System for Application of a High Point of Attachment
☐	7.2.13 Prepare for Entry into Vertically Oriented Confined Space
☐	7.2.14 Enter a Vertically Oriented Confined Space for Rescue
☐	7.2.15 Package a victim in a litter for removal from a horizontally oriented confined space
☐	7.2.16 Access and Rapidly Remove a Victim from a Vertically Oriented Confined Space
☐	7.2.17 Remove Entrants from a Confined Space
☐	7.2.18 Terminate a Technical Rescue Operation
	Confined Space Technician
☐	7.3.1 Initiate a Search Inside a Confined Space in those Areas Not Immediately Visible
☐	7.3.2 Pre-Plan a Confined Space Incident
☐	7.3.3 Apply and Use Supplied-Air Respirators (SARs) as a Rescue Entrant
☐	7.3.4 Perform a Short Spinal Immobilization of a Victim Inside a Confined Space
☐	7.3.5 Prepare for Entry into the Confined Space with a Hazardous Atmosphere
☐	7.3.6 Enter a Confined Space with Atmospheric Hazards
	Trench Operations
☒	8.1.01 Conduct a size-up
☒	8.1.02 Implement a trench emergency action plan
☒	8.1.03 Implement support operations
☒	8.1.04 Support a nonintersecting straight wall trench
☒	8.1.05 Terminate a technical rescue operation
☒	8.1.06 Remove a victim from a trench
☒	8.1.07 Disassemble support systems
	Trench Technician
☐	8.2.01 Support an intersecting trench as a member of a team
☐	8.2.02 Install supplemental sheeting and shoring for each two feet of depth below a shoring system
☒	8.2.03 Construct load stabilization systems
☒	8.2.04 Lift a load
☒	8.2.05 Coordinate the use of heavy equipment
☒	8.2.06 Release a victim from entrapment by components of a collapsed trench
	Structural Collapse Operations
☐	6.2.01 Conduct a size-up of a light frame or unreinforced masonry (URM) collapsed structure
☐	6.2.02 Determine potential victim locations in light frame and URM construction collapse incidents
☐	6.2.03 Develop a collapse incident action plan
☐	6.2.04 Implement a collapse rescue incident action plan

☐	6.2.05 Search a light frame and URM constructed collapsed structure
☐	6.2.06 Stabilize a collapsed light frame and URM construction structure
☐	6.2.07 Release a victim from entrapment
☐	6.2.08 Remove a victim from a light frame and URM construction collapse incident
☐	6.2.09 Lift a heavy load as a team member
☐	6.2.10 Move a heavy load as a team member
☐	6.2.11 Breach light frame and URM construction structural components
☐	6.2.12 Construct cribbing systems
☐	6.2.13 Inspect and maintain hazard-specific PPE
☐	6.2.14 Inspect and maintain rescue equipment
☐	6.2.15 Terminate an incident
	Structural Collapse Technician
☐	6.3.01 Conduct a size-up of a collapsed heavy construction-type structure
☐	6.3.02 Determine potential victim locations in a heavy construction-type incident
☐	6.3.03 Develop a collapse rescue incident action plan
☐	6.3.04 Implement a collapse rescue incident action plan
☐	6.3.05 Search a heavy construction type collapsed structure
☐	6.3.06 Stabilize a collapsed heavy construction type structure as a member of a team
☐	6.3.07 Release a victim from entrapment by components of a heavy construction type collapse
☐	6.3.08 Remove a victim from a heavy construction type collapse incident
☐	6.3.09 Lift a heavy load as a team member
☐	6.3.10 Move a heavy load as a team member
☐	6.3.11 Breach heavy structural components
☐	6.3.12 Construct cribbing systems
☐	6.3.13 Stabilize a collapsed heavy construction type structure as a member of a team
☐	6.3.14 Cut through structural steel
☐	6.3.15 Coordinate the use of heavy equipment
	Vehicle Machinery Technician (VMT)
☐	08.3.1 Create an Incident Action Plan for a Commercial or Heavy Vehicle
☐	08.3.2 Stabilize Commercial / Heavy Vehicle
☐	08.3.3 Determine the Heavy Vehicle Access & Egress Points
☐	08.3.4 Create Access and Egress Points for Heavy Vehicle
☐	08.3.5 Disentangle Victim(s)
☐	08.3.6 Isolate and Mitigate Potentially Harmful Energy Sources
☐	12.3.1 Plan for a large machinery incident
☐	12.3.2 Stabilize large machinery
☐	12.3.3 Determine large machinery access and egress points
☐	12.3.4 Create access and egress openings for rescue from large machi
☐	12.3.5 Disentangle victim(s)