

SKILL SHEET 8.1.1 – SCENE SIZE UPJPR 8.1 Level 1 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Conduct a size up of a collapsed trench, given an incident and background information and applicable reference material, so that the size-up is conducted within the scope of the Incident Management System; the existing and potential conditions are evaluated within the trench and rescue area; general hazards are identified; a witness or "competent person" is secured; the probability of victim existence, number, condition, and location is determined; potential for rapid, nonentry rescues or victim self-rescue is recognized; needed personnel, supply, and equipment resources are evaluated; and utility involvement and locations are determined.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Establishes and utilizes an Incident Management System				
2	Ensures proper use of Personal Protective Equipment (PPE).				
3	Determines environmental issues that effect survivability and secondary collapse				
4	Completes size-up using observations, victims, bystanders, and site information				
5	Identifies and safely controls all present and potential hazards				
6	Identifies any involved utilities and contacts appropriate utility companies.				
7	Determines basic soil classification				
8	Implements protocols and resource acquisition agreements				
9	Identifies degree and type of collapse				
10	Applies governing regulations, laws, standards				
11	Determines all potential victim locations				
12	Evaluates rescue vs. recovery and self rescue considerations				
14	Determines trench dimensions				
16	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass	Pass	
	Fail	Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL SHEET 8.1.2 - IMPLEMENT AN EMERGENCY ACTION PLANJPR 8.1 Level 1 Trench
Rescue - Mandatory

Date:

Student Name:

Student #:

Directions: Implement an emergency action plan, given size-up information and a trench incident, so that initial size-up information is utilized; prebriefing is given to rescuers; documentation is ongoing; the collapse zone is established; a risk-benefit analysis is conducted; rapid, nonentry rescues or victim self-rescues are performed; the rescue area and general area are made safe; strategy and tactics are confirmed and initiated; rapid intervention team and operational tasks are assigned; other hazards are mitigated; rescue resources are staged; and a protective system is utilized.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Is able to use and document tactical worksheets				
2	Disseminates information properly				
3	Understands the mechanics and extent of collapse effects				
4	Perform risk-benefit analysis				
5	Executes rapid, nonentry rescues if applicable				
6	Mitigates hazards				
7	Chooses strategy and tactics that will enhance a successful outcome				
8	Uses incident management system and resource staging				
9	Applies choice of isolation and/or protective system promptly to surround victim				
16	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.

Pass		Pass	
Fail		Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL SHEET 8.1.3 – SUPPORT OPERATIONSJPR 8.1 Level 1 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Implement support operations at trench emergencies, given an assignment, equipment, and other resources, so that a resource cache is managed, scene lighting is provided, environmental concerns are managed, a cut station is established, supplemental power is provided for all equipment, atmospheric monitoring and ventilation are implemented, personnel rehab is facilitated, operation proceeds without interruption, extrication methods are in place, and the support operations facilitate rescue operational objectives.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Organizes and tracks equipment				
2	Assesses the need for lighting equipment				
3	Assesses the need for dewatering equipment				
4	Acquires or constructs structures for shelter and thermal protection as needed				
5	Selects rehab areas & personnel rotations				
6	Operates atmospheric monitoring and ventilation equipment as needed				
7	Performs patient packaging and removal				
8	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass	Pass	
	Fail	Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL SHEET 8.1.4 – SUPPORT NON-INTERSECTING TRENCHJPR 8.1 Level 1 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Support a nonintersecting straight wall trench of 8 ft. or less as a member of a team, given size-up information, an action plan, a trench tool kit, and an assignment, so that strategies to minimize the further movement of soil are implemented effectively; trench walls, lip, and spoil pile are monitored continuously; rescue entry teams remain in a safe zone; any slough-in and wall shears are mitigated; emergency procedures and warning systems are established and understood by participating personnel; incident-specific PPE is utilized; physical hazards are identified and managed; victim and rescuer protection is maximized; victim extrication methods are considered; and a rapid intervention team is staged.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE).				
2	Uses protocols and/or guidelines as appropriate				
3	Assures placement of ground pads and egress ladders around trench lip				
4	Assures ventilation and atmospheric monitoring in place				
5	Anticipates extrication logistics				
6	References and interprets tabulated data for type of system being constructed				
7	Designs/constructs a safe and appropriate system for given situation that is capable of supporting anticipated load				
8	Team briefing performed prior to shoring operations				
9	Sheeting and uprights (or trench box) placed appropriately				
10	Shoring placed in proper order given situation				
11	Shores secured in place (toe nailed, scabbed).				
12	Supplemental shoring installed as needed				
13	Completed system capable of adequately supporting anticipated load				
14	Operations conducted from within safe zones while in trench				
15	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass	Pass	
	Fail	Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL STATION 8.1.5 – RELEASE VICTIM FROM ENTRAPMENTJPR 8.1 Level 1 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Release a victim from soil entrapment by components of a nonintersecting collapsed trench of 8 ft. or less in depth, given PPE, a trench rescue tool kit, and specialized equipment, so that hazards to rescue personnel and victims are minimized, considerations are given to crush syndrome and other injuries, techniques are used to enhance patient survivability, tasks are accomplished within projected time frames, and techniques do not compromise the integrity of the existing trench shoring system.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE).				
2	Accesses victim and assesses degree of entrapment				
3	Provides patient protection (head & eye protection, shielding, etc).				
4	Provides for appropriate medical evaluation and intervention by qualified personnel prior to releasing victim from entrapment				
5	Possibility of "crush syndrome" recognized.				
6	Excavates dirt from around patient utilizing approved equipment and methods so as to not cause any additional injury to patient				
7	Operates rescue tools and stabilization systems appropriately as needed				
8	Assures complete disentanglement of patient prior to attempting to remove patient from trench				
14	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass	Pass	
	Fail	Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL STATION 8.1.6 – REMOVE VICTIM FROM TRENCHJPR 8.1 Level 1 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Remove a victim from a trench, given a disentangled victim, a basic first aid kit, and victim packaging resources, so that basic life functions are supported as required, the victim is evaluated for signs of crush syndrome, methods and packaging devices selected are compatible with intended routes of transfer, universal precautions are employed to protect from bloodborne pathogens, and extraction times meet time constraints for medical management

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE), including universal precautions for bloodborne pathogens.				
2	Provides basic medical care and immobilization techniques				
3	Identify need for advanced life support and crush syndrome management				
4	Properly uses a removal and packaging system that matches logistical and medical management time frame concerns				
14	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass	Pass	
	Fail	Fail	
Evaluator Comments:			

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL SHEET 8.1.7 – INCIDENT TERMINATIONJPR 8.1 Level 1 Trench
Rescue - Mandatory

Date:

Student Name:

Student #:

Directions: Disassemble support systems at a trench emergency incident, given personal protective equipment, trench tool kit, and removal of victims, so that soil movement is minimized, all rescue equipment is removed from the trench, sheeting and shoring are removed, emergency protocols and safe zones are adhered to, rescue personnel are removed from the trench, the last supporting shores are pulled free with ropes, equipment is cleaned and serviced, reports are completed, and a post briefing is performed.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE).				
2	Assures ongoing atmospheric monitoring and ventilation				
5	Removes installed components of shoring/sheeting system in reverse order from which they were installed				
6	Conducts operations within trench while remaining in safe zone at all times				
7	Last supporting shores pulled free with ropes from outside of the trench				
8	Trench and site secured				
9	Equipment recovered, cleaned and returned to state of readiness				
10	Post incident analysis conducted				
11	Need for Critical Incident Stress Debriefing assessed				
12	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.

Pass		Pass	
Fail		Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL SHEET 8.2.1 – SUPPORT INTERSECTING TRENCHJPR 8.2 Level 2 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Support an intersecting trench as a member of a team, given size-up information and an action plan, a trench tool kit, and an assignment, so that strategies to minimize the further movement of soil are implemented effectively; trench walls, lip and spoil pile are monitored continuously; rescue entry team in the trench remains in a safe zone; any slough-in and wall shears are mitigated; emergency procedures and warning systems are established and understood by participating personnel; incident-specific PPE is utilized; physical hazards are identified and managed; victim protection is maximized; victim extrication methods are considered; and a rapid intervention team is staged

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE).				
2	Identifies type of intersecting trench and proper method of stabilization				
3	Assures placement of ground pads around trench lip and egress ladder				
4	Assures ventilation and atmospheric monitoring in place				
5	Uses trench rescue protocols as needed				
6	References and interprets tabulated data for type of system being constructed				
7	Designs/constructs a safe and appropriate system for given situation				
8	Team briefing performed prior to shoring operations				
9	Sheeting, shoring and/or other shielding system properly chosen and assembled				
10	Shoring placed in proper order given situation				
11	Anticipates extrication logistics				
12	Completed system capable of adequately supporting anticipated load				
13	Operations conducted from within safe zones/areas while in trench				
	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass	Pass	
	Fail	Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL SHEET 8.2.2– SUPPLEMENTAL SHEETING/SHORINGJPR 8.2 Level 2 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Install supplemental shoring for each 2 ft. of depth dug below and existing approved shoring system, given size-up information, an action plan, and a trench tool kit, so that the movement of soil is minimized effectively, initial trench support strategies are facilitated, rescue entry team safe zones are maintained, excavation of entrapping soil is continued, victim protection is maximized, victim extrication methods are considered, and a rapid intervention team is staged

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE).				
2	Evaluates need for supplemental sheeting and shoring				
3	References and appropriately interprets tabulated data for installation of supplemental sheeting and shoring given situation				
4	Assures that no excavation is made >2 feet below approved shoring and sheeting already installed without providing supplemental sheeting/shoring				
5	Installs supplemental sheeting and shoring utilizing approved devices, techniques and supplies				
6	Evaluates installed sheeting/shoring for integrity				
7	Completed system capable of adequately supporting anticipated load.				
8	Observes existing safe zones and monitors hazards				
	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass		Pass	
	Fail		Fail	
Evaluator Comments:				

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL SHEET 8.2.3 - LOAD STABILIZATION SYSTEMSJPR 8.2 Level 2 Trench Rescue -
Mandatory

Date:

Student Name:

Student #:

Directions: Construct load stabilization systems (cribbing), given and assignment, PPE, and a trench tool kit, so that the stabilization system will support the load safely, the system is stable, and the assignment is completed.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Selects appropriate load stabilization system				
2	Properly assembles and constructs a load stabilization system				
3	Evaluates structural integrity of the system				
4	Calculates loads that require support				
5	Determines stability of load and system				
11	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.

Pass		Pass	
Fail		Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL SHEET 8.2.4 – HEAVY LIFT OPERATIONSJPR 8.2 Level 2 Trench Rescue -
Mandatory

Date:

Student Name:

Student #:

Directions: Lift a load, given a trench tool kit, so that the load is lifted the required distance to gain access; settling or dropping if the load is prevented; control and stabilization are maintained before, during, and after the lift; and operational objectives are attained.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE).				
2	Selects appropriate tools and equipment for presenting situation				
3	Performs load calculation and estimates weight of object to be lifted				
4	Determines appropriate techniques/devices based on weight and configuration of object				
5	Assures object is adequately stabilized prior to beginning lifting operations				
6	Appropriately rigs object to be lifted (if applicable).				
7	Lifts object distance needed to extricate patient				
8	Appropriate application of principles of mechanical advantage and leverage				
9	Lift and stabilization/cribbing coordinated so that load does not fall greater than 1 inch should lifting procedure inadvertently fail				
10	Lift is coordinated and object can be secured in place				
11	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.

Pass		Pass	
Fail		Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL STATION 8.2.6 – RELEASE VICTIM FROM ENTRAPMENTJPR 8.2 Level 2 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Release a victim from soil entrapment by components of a collapsed trench, given PPE, a trench rescue tool kit, and specialized equipment, so that hazards to rescue personnel and victims are minimized, considerations are given to crush syndrome and other injuries, techniques are used to enhance patient survivability, tasks are accomplished within projected time frames, and techniques do not compromise the integrity of the existing trench shoring system.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE).				
2	Accesses victim and assesses degree of entrapment				
3	Provides patient protection (head & eye protection, shielding, etc).				
4	Provides for appropriate medical evaluation and intervention by qualified personnel prior to releasing victim from entrapment				
5	Possibility of "crush syndrome" recognized.				
6	Excavates dirt from around patient utilizing approved equipment and methods so as to not cause any additional injury to patient				
7	Operates rescue tools and stabilization systems appropriately as needed				
8	Assures complete disentanglement of patient prior to attempting to remove patient from trench				
9	Completes a risk-benefit assessment for selected methods of rescue and time				
10					
11					
12					
13					
14	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass	Pass	
	Fail	Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____

SKILL STATION 8.2.6 – RELEASE VICTIM FROM ENTRAPMENTJPR 8.2 Level 2 Trench
Rescue - Mandatory

Date:	Student Name:	Student #:
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Directions: Release a victim from soil entrapment by components of a collapsed trench, given PPE, a trench rescue tool kit, and specialized equipment, so that hazards to rescue personnel and victims are minimized, considerations are given to crush syndrome and other injuries, techniques are used to enhance patient survivability, tasks are accomplished within projected time frames, and techniques do not compromise the integrity of the existing trench shoring system.

Task Number	Task	Initial Test		Retest	
		Yes	No	Yes	No
1	Ensures proper/continued use of Personal Protective Equipment (PPE).				
2	Accesses victim and assesses degree of entrapment				
3	Provides patient protection (head & eye protection, shielding, etc).				
4	Provides for appropriate medical evaluation and intervention by qualified personnel prior to releasing victim from entrapment				
5	Possibility of "crush syndrome" recognized.				
6	Excavates dirt from around patient utilizing approved equipment and methods so as to not cause any additional injury to patient				
7	Operates rescue tools and stabilization systems appropriately as needed				
8	Assures complete disentanglement of patient prior to attempting to remove patient from trench				
9	Completes a risk-benefit assessment for selected methods of rescue and time				
10					
11					
12					
13					
14	Were all tasks completed in a SAFE manner? ("NO" indicates automatic failure)				

Pass/Fail Criteria: Any "No" constitutes a failure of the station.	Pass	Pass	
	Fail	Fail	

Evaluator Comments:

Evaluator Signature (initial): _____

Evaluator Signature (retest): _____