

545 0499

FIRING/NONFIRING DATA

For use of this form see USAIC Regulation 350-19; the proponent agency is DPTMS

TO: Chief, Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905	Date: 15 MAY 2012 <i>Adjusted by 8-15-11</i> Range: RED CLOUD Title: WEAPONS FAMILIARIZATION Problem No:
THRU: S-3, 3/75 RANGER BATTALION	FROM: 3/75 RANGER REGIMENT FT. BENNING, GA 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: FA 9486 8178

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

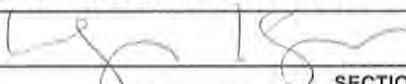
SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
See Weapons Enclosure	See Weapons Enclosure	See Weapons Enclosure	See Weapons Enclosure	See Weapons Enclosure

SECTION IV, LIVE FIRE EXERCISES Attach the following:

SECTION V, NON-LIVE FIRE TRAINING

<input checked="" type="checkbox"/> Scenario of training to be conducted:	<input type="checkbox"/> Scenario of training to be conducted: <input type="checkbox"/> Sketch of area(s) to be occupied: <input type="checkbox"/> Risk Assessment:
<input checked="" type="checkbox"/> Sketch of area:	
<input checked="" type="checkbox"/> Risk Assessment:	
<input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	

Name/rank of requesting officer: Krieger, Logan, M SGT Land NCO	Name/rank of Major Unit S3/Commander: Cheney, Scott, B. MAJ, IN
	

SECTION VI, FOR RANGE DIVISION USE

DATE: 15 May 2012

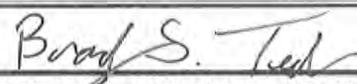
TO: S-3 3/75 Ranger Regiment FT. Benning, GA 31905	FROM: Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905
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a. Roadblocks to be closed:

b. Road(s) to be closed/road barrier locations: *see Adjusted Roadblock Enclosure.*

c. Remarks: Class IIIA lasers are not eye safe on dual low mode within 25 meters. In addition to the AN-PEQ-2A, some weapons may be mounted with the AN/PAG4G. Both lasers are borelighted

d. This approval expires: *Indef*

Chief, Range Division
Directorate of Plans, Training, Mobilization and Security


Weapons Enclosure, Red Cloud Range, 3/75 Weapons Familiarization Adjusted (Log #8-15-11) May 15, 12				
Coordinates of Weapons Position	Weapon/Model #	Type Ammunition	Left Limit, Mils Grid Azimuth	Right Limit, Mils Grid Azimuth
Main Firing Line (Familiarization) FA: 9496 8176 to 9487 8173	M82 Barrett, M107, M2 M16/M4/MK16/M249/MK46 M240/MK48/MK17 M24/M110/SR25/MK17 300 Win Mag M203/MK13/M320	.50 cal Ball/Tracer 5.56mm Ball/Tracer 7.62mm Ball/Tracer 7.62mm M118 300 Win Mag 40mm HE/HEDP, TP, ILL, Smk	2600 2095 2095 2095 2600 2600	2945 2945 2945 2945 2830 2960
Main Firing Line FA: 9496 8176 to 9487 8173 See Note Below	60mm Mortar 81mm Mortar	HE, WP, ILL, IR ILL, HE, WP, RP, ILL, IR ILL	2600 2600	3045 3045
BP2 FA: 9498 8174	M3 RAAWS	83mm TP, SMK, ILL, 7.62mm	2775	2980
BP3/4 FA: 9486 8171	M3 RAAWS AT4	83mm HE/HEDP, TP, SMK, ILL, 7.62mm 84mm HEAT	2545 2545	2730 2730
Main Firing Line FA: 9496 8176 to 9487 8173 Zero (10m/25m) AMT (25m-5m)	M82 Barrett, M107, M2 (10m) M16/M4/MK16/M249/MK46 (10m, 25m, Stress) M240/MK48/MK17 (10m) M24/M110/SR25/MK17, 300 Win Mag (25M) Shotguns, M9/Pistols (25m, Stress)	.50 cal Ball/Tracer 5.56mm Ball/Tracer 7.62mm Ball/Tracer 7.62mm M118, 300 Win Mag 12ga 00Buck/Slug/HATTON, 9mm-.45	(10m Zero) 2780 (25m Zero) 2835 (AMT 25m-5m) 2690	(10m Zero) 2965 (25m Zero) 2910 (AMT 25m-5m) 3055

Target List	
Main Firing Line (Familiarization) FA: 9496 8176 to 9487 8173	1) .50 cal Weapons Targets = #1 - #11; 2) 5.56mm - 7.62mm Targets = #1 - #11 and Pop-up Targets in Dirt Trench Located Aprox 150m Downrange on Left; 3) M203/MK13/M320 Targets = #1 - #4; 4) 300 Win Mag Can Only Fire From The Right 1/2 of FL at Targets #1 - #11;
Main Firing Line (Mortars) FA: 9496 8176 to 9487 8173	1) 60mm Targets = #5 - #22 (Min Range Changes From 375m to 600m); 2) 81mm Targets = #12 - #22 (Min Range Changes From 600m to 900m). <i>950m BTB</i> <i>BTB 605m</i>
BP2 FA: 9498 8174 (RAAWS)	1) RAAWS TP, SMK, ILL, 7.62mm Targets = #1 - #11.
BP3/4 FA: 9486 8171 RAAWS, AT4	RAAWS HE/HEDP/SMK/TP/ILL Targets = #1 - #11. AT4 HEAT Targets = #1 - #11.
Main Firing Line FA: 9496 8176 to 9487 8173 Zero/ AMT	Targets Area is From The Main FL Toward the Concrete Trench. Firing Can be From 5m-25m. AMT, Zero, Stress Fire, Etc... Can be Conducted in This Area at Stand-up Targets (Non-Steel). Hand Rails Leading down Into the Concrete Trench Will be Removed for This and Any Firing Conducted.

Road Blocks: A: 8, 18, 23, 33A, 34.

LAERS assigned to unit will be used. Non-Eye safe LASERS will have backstop in accordance with regulation requirements. LASER warning signs will be posted prior to use.



DEPARTMENT OF THE ARMY
HEADQUARTERS, 3D BATTALION, 75TH RANGER REGIMENT
7917 DAWSON STREET, BUILDING 2946
FORT BENNING, GEORGIA 31905-5853

REPLY TO
ATTENTION OF

AORG-TB-SC

15 May 2012

MEMORANDUM FOR Director of Operations and Training, ATTN: Range Division, Fort Benning, Georgia

SUBJECT: Red Cloud Weapons Familiarization Adjusted Scenario Log # 8-15-11

1. Purpose: To outline the concept of training, direct fire limits, and safety procedures during range operations.
2. Training Objective: To conduct familiarization and marksmanship training on all weapons systems organic to the Battalion.
3. Tasks to be trained:
 - a. Individual: Load, unload, perform immediate action and/ or misfire procedures on all weapons systems organic to the Battalion in accordance with the corresponding FM. Train on advanced marksmanship techniques. Close quarters marksmanship and stress fires.
4. Concept: Red Cloud Range will be used to conduct training on individual and collective familiarization and marksmanship training.
 - a. An ammo point will be set up to the rear of the gun line and will be supervised by a NCO. There will be no de-linking or re-linking of any ammunition. Any ammunition that has been de- or re-linked is considered nonstandard and is prohibited from the range.
 - b. Rangers will start off by conducting crew drills, dry fire drills, and familiarization classes on appropriate weapon system prior to arriving at the range. The first line supervisor will validate that each Ranger/ Gun team can safely employ and operate their weapon system before they are issued any live ammunition.
 - c. Prior to moving to the gun line a safety/OIC/RSO will ensure that all weapons are cleared and safe. All RAAWS will be bore sighted (if applicable) prior to engaging targets down range. When the Ranger/ Gun team are done firing they will lock and clear their weapons. A safety /OIC/RSO will use a cleaning rod or visually inspect the weapon system before the Ranger /Gun team can move off the range.
 - d. For safety reasons, weapons will be strictly controlled at all time during the conduct of the range. Rangers will only lock and load / hang rounds when instructed to

do so by the safety. At any point an individual witnesses an unsafe act, they can call for a "cease fire" and everyone will echo the command.

e. During advanced marksmanship training and close quarters marksmanship the firing line will be parallel to the targets. The primary instructor /safety will control the gun line by giving the commands when and how to engage the target. Muzzles will be pointed in a safe direction and away from troops throughout the training to include right /left turns during the CQM marksmanship/tables. All shooters will stay on-line while shooting.

f. The stress fire will be conducted in accordance with the units SOP's. A range safety will walk through the event with each Ranger conducting the exercise. The safety will ensure that the Ranger is engaging the proper targets using proper techniques and that the weapon is always pointed in a safe direction. This event will be conducted by one Ranger at a time. The event may include shooting from behind barriers, vehicles or windows. It may also include a skedco drag, buddy carry, wind sprints or combatives prior to approaching the starting line for the event, at which point all weapons will be clear and on safe.

g. The familiarization range will be conducted with all weapons systems on line and following all SDZ's. Targets will be engaged in accordance with the approved weapon and target enclosure. A subject matter expert will supervise all personal being familiarized with the weapon system.

h. Targets will only be engaged in accordance with the approved weapon and target enclosure dated May 15 2012.

5. Restrictions and Specific Instructions:

- a. All familiarization firing will be conducted from the main firing line in accordance with the target list enclosure.
- b. AMT/stress fire/zero will be conducted from the main firing line in the direction of the concrete trench in accordance with the target list enclosure.
- c. Hand rails leading down to concrete trench will be removed for any firing conducted from the main firing line.
- d. Mortars – 81mm mortar min range changes from 600m to 900m. The 60mm mortar min range changes from 375m to 600m.

6. Support requirements:

- a. Each unit will provide or arrange for their own support to conduct their training.

7. Safety:

- a. A safety briefing will be conducted with all Rangers prior to the execution of the range.
- b. An OIC and RSO (certified IAW Fort Benning Policy) will be on station at all times.
- c. All Rangers will complete a dry run to certify before each scenario.
- d. Communication will be maintained with Range Control and 3rd Battalion at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.
- e. Rangers will wear MICH helmets, Ranger Body Armor (RBA), ballistic eye protection, RLCS rack, knee and elbow pads, gloves, and hearing protection during firing.
- f. The emergency signal for cease fire is verbal and visual. It can be given by any Ranger at any time he sees an unsafe act.
- g. All weapons will be cleared and inspected after each scenario.
- h. During each scenario, no Ranger will lock and load until told to do so.
- i. Medical: (Non-life threatening) a Ranger medic or EMT will be on site with aid bag. He will render any needed attention. (Life threatening) a Ranger medic or EMT on site will assess the casualty and make a recommendation as to type of evacuation required (air or ground) to the OIC. The OIC will immediately call 911 and request the appropriate transportation if needed. Range Control and the chain of command will then be notified of the situation. In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control and the chain of command will be notified in this event. The cease fire will remain in effect until cleared through Range Control.
- j. All misfire and hang fire procedures will be conducted according to the corresponding FM and units SOP's of that weapon system. The burning of unused powder will be done according to regulations and Unit SOP.
- k. All dud munitions will be reported to Range Control and EOD (and disposed of if necessary) in accordance with Fort Benning policy and unit SOP's.

- l. All back blast areas and SDZ's associated with a weapons system will be adhered to and cleared prior to firing the weapon. Guards will be posted to keep all personnel clear of the back blast area. (see enclosure)
- m. When there are multiple types of weapons on the firing line all SDZ's and safety precautions will be adhered to.
- n. All weapons systems will only engage authorized targets as prescribed on the attached weapon and ammunition list.
- o. No personnel will be allowed forward of the firing line for any reason.
- p. Class III A lasers are not eye safe on dual low mode within 25 meters. PEM – 1A is not a tactical laser and must be used within 25 meters. Laser Warning Signs will be in place prior to opening the range. Range safety briefing will include hazards using Lasers and NVD's.
- q. Unit will maintain continuous contact with Range Control at all times. If communications are lost the unit will go into a self induced check fire until communications are restored.
- r. When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Control. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Control. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.
- s. When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:
 - a. Designation of unit.
 - b. Range and location
 - c. Type of weapon involved.
 - d. Type of ammunition involved.
 - e. Brief summary of what happened.
 - f. Personnel injuries and extent.
 - g. Full Name, SS#, Rank and unit of injured personnel.
 - h. Extent of property damage.
 - i. Intentions regarding an AR 15-6 investigation

AORG-TB-SC
SUBJECT: Red Cloud Snap Link

15 May 2012

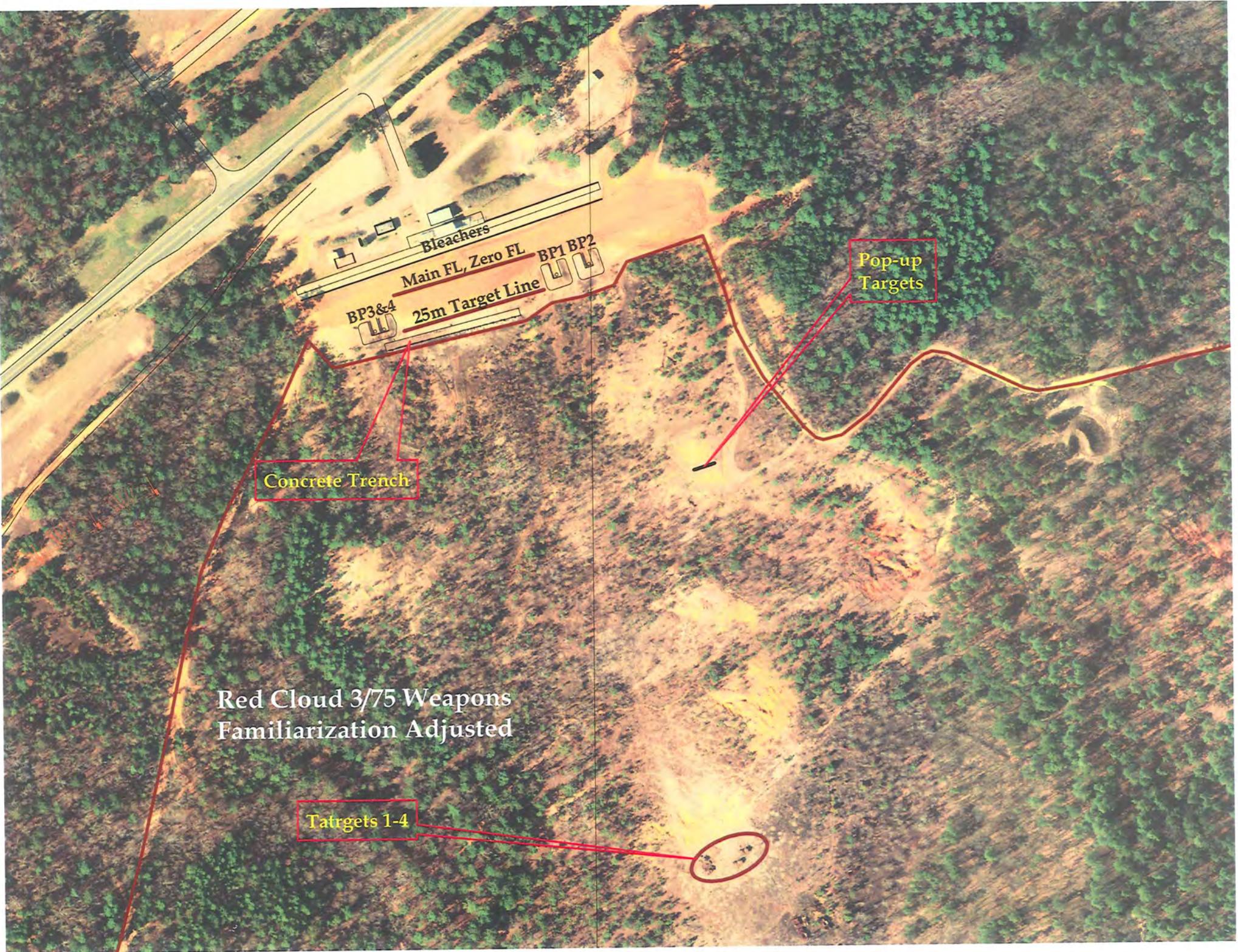
8. Point of contact: The point of contact for this memorandum is the undersigned at 545-0499.



LOGAN. M .KRIEGER
SGT
LAND MANAGEMENT NCO.

Enclosures:

1. Range diagram (overhead)
2. Record of Environmental Consideration
3. Risk Management Worksheet
4. Target List.



Bleachers

Main FL, Zero FL

BP1 BP2

BP3&4

25m Target Line

Pop-up Targets

Concrete Trench

Red Cloud 3/75 Weapons Familiarization Adjusted

Targets 1-4



RAAWS Backblast Area

Pop-up Targets

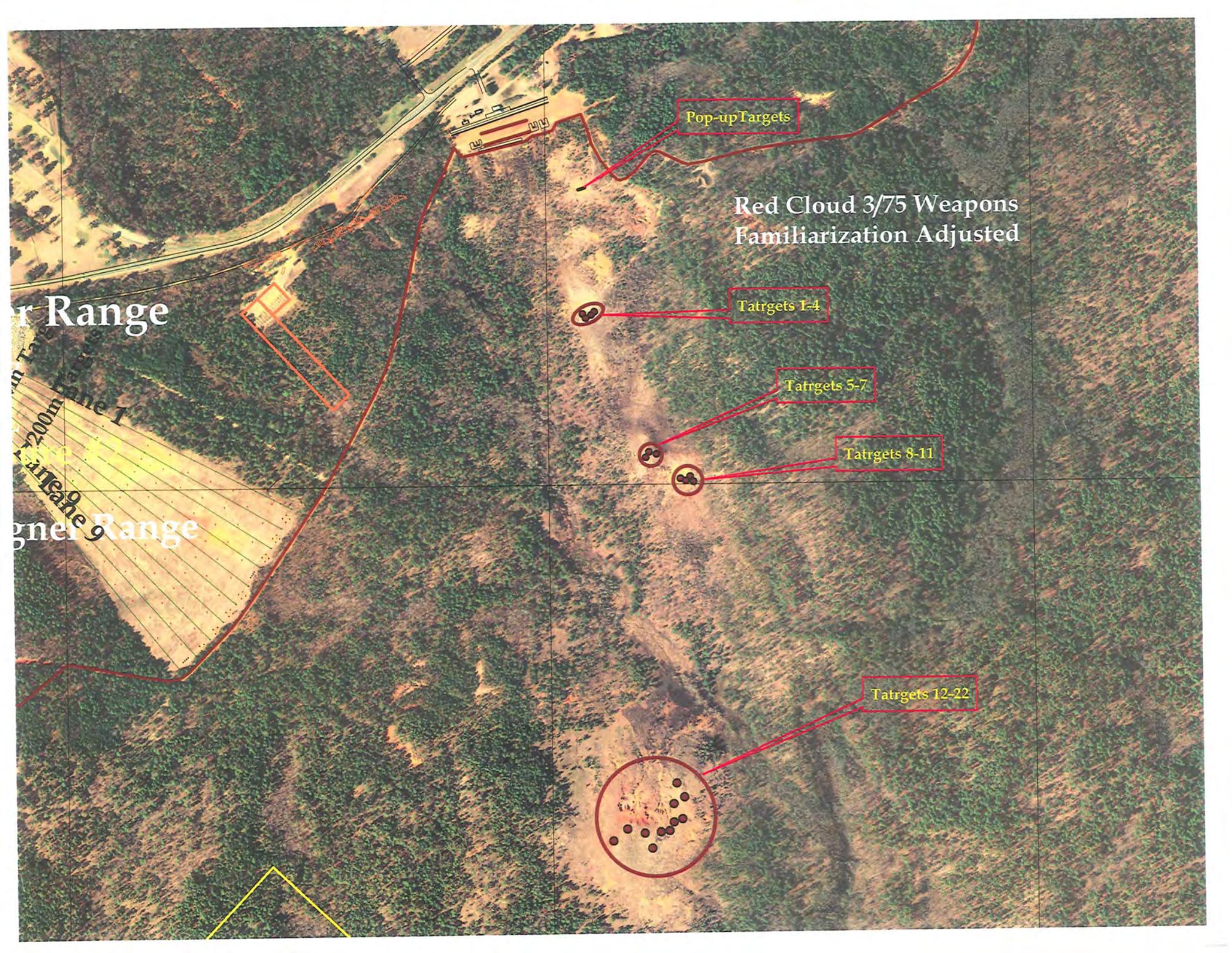
RAAWS/AT4 Backblast Area

Concrete Trench

Red Cloud 3/75 Weapons Familiarization Adjusted

Targets 1-4

Bleachers
Main FL, Zero FL
BP1 BP2
BP3&4
25m Target Line



Pop-up Targets

Red Cloud 3/75 Weapons Familiarization Adjusted

r Range

Lane 1
Lane 9

gned Range

Targets 1-4

Targets 5-7

Targets 8-11

Targets 12-22

Red Cloud 3-75 Weapons Familiarization Log #8-15-11 Adjusted Roadblock List , 15 May 2012

BLOCK	GRID	LOCATION	TYPE
A-1	FA 911 792	Across firebreak 200m down Fiske Range at right end of KD berm. Permanently closed.	Cable
A-2	FA 910 783	Off Sightseeing Rd on unnamed trail opposite of entrance to LRC.	Gate
A-4	FA 925 766	Off Sunshine Rd 1,200 m W. of entrance to Grandstaff range.	Gate
A-5	FA 936 762	Across entrance road to Grandstaff Range. 10m N. of Sunshine Rd.	Gate
A-6	FA 939 763	Off Sunshine Rd 100m W. of Oswichee Creek. Permanently closed.	Cable/ Berm
A-8	FA 968 740	Across unnamed trail 30m N. of Sunshine Rd and 800m N.W. of entrance to Griswold Range.	Gate
A-10	GA 018 730	Across entrance road to Flint Range. 50m N. of Sunshine Rd.	Gate
A-11	GA 019 731	Across Lumpkin Trail 30m N. of its intersection with Sunshine Rd.	Gate
A-11A	GA 032 729	Rd guard pos # 2 for Garnsey Rng Obj 'E' (intersection Jamestown/Sunshine Rd's	Rd Grd # 2
A-12	GA 033 742	Across Garnsey Rd 50m W. of its intersection with Jamestown Rd.	Gate
A-12A	GA 029 744	Across Garnsey Rd 400m W. of A-12 Roadblock.	Gate
A-12B	GA 028 741	Across trail 150m SW of A-12A Roadblock. 50m W. of Range Bldg.	Gate
A-12C	GA 036 746	Road guard position # 3 for Garnsey Rng Objective 'E' (Jamestown at Lightning Rd)	Road Guard # 3
A-13	FA 936 762	Across Sunshine Rd 10m E. of the entrance to Grandstaff Range. (Road guard location)	Gate
A-14	FA 974 733	Across Sunshine Rd 10m W. of the entrance to Griswold Range. (Road guard location)	Gate
A-15	GA 021 799	Across entrance road to Buchanan Range.	Gate
A-15A	GA 021 798	Gate Across Good Luck Rd	Gate
A-15B	GA 022 796	Road guard position # 1 for Garnsey Rng Objective 'E' (Jamestown road SW corner of Engineer building)	Road Guard # 1
A-18	FA 993 828	Across Buckeye Rd 225m S. of its intersection with 1st Div Rd. and 50m E. of entrance to Duke Range	Gate
A-19	FA 973 825	Across entrance road to Patton Range 400m S. of its intersection with 1st Div Rd.	Gate
A-20	FA 974 827	Across entrance road to Dianda Range. 300m S. its intersection with 1st Div Rd.	Gate
A-22	GA 015 817	Across unnamed trail 50m N. of Brinson Range and 10m off Jamestown Rd.	Gate
A23	FA 983 756	Across Lumpkin Trail 200m E. of Griswold Range	Gate
A-23A	GA 005 748	On Lumpkin trail 50m NW of Objective 'E' on Garnsey Range.	Gate
A-23B	GA 005 747	Adjacent to A-23A gate on trail near intersection of Lumpkin trail	Install Gate
A-24	GA 015 811	10m inside entrance gate of Brinson Rng south of entrance road.	Gate
A-25	GA 016 789	Across fire break 10m W. of its intersection with Good Luck Rd.	Gate
A-26	GA 013 798	On L/S of Buchanan Range 50 meters W. of chow area across entrance to fire break.	Cable
A-27	GA 018 805	Across unnamed trl 175m N of intersection of Hourglass and Jamestown roads	Gate

BLOCK	GRID	LOCATION	TYPE
A-28	GA 012 774	20 meters off Yankee road on south side of Galloway range.	Gate
A-28A	GA 011 776	30 meters south of Range Tower	Gate
A-30	GA 026 758	Across fire break leading to Garnsey Range. 140m SW of Brann Flat Range.	Gate
A-30A	GA 027 758	Across trail leading to Garnsey Range 50m E. of A-30 Roadblock	Gate
A-31	GA 020 745	Across fire break leading to Brann	Cable
A-32	FA 989 724	Across entrance road to Kunzig Range.	Gate
A-33	FA 974 734	Across entrance to Griswold Range.	Gate
A-33A	FA 979 739	150 meters west of Target Systems bldg on trail leading to move to contact site	Gate
A-33B	FA 982 739	20m N of Target Sys bldg on trail running on west side of bldg.	Install Gate
A-34	FA 947 760	Across entrance to Minter Hill 700m E. of Oswichee Creek.	Gate
A-38	FA 952 816	Across fire break 300m down range of firing line on Red Cloud Range on L. side of range.	Cable
A-39	FA 956 822	Across unnamed trail 100m S. of bldgs on Buckner Range on L. side of range	Cable
A-40	FA 967 823	Across fire break 50m down range on the left side of Pierce Range.	Gate
A-41	FA 972 820	Across fire break located on the right side of the firing line on Patton Range.	Cable
A-42	FA 978 820	Across fire break located on the left side of the firing line on Patton Range.	Cable
A-43	FA 983 823	Across fire break located on the right side of	Cable
A-44	FA 986 823	Across fire break 100m E. of the 25m flat	Gate
A-45	FA 990 827	Across fire break located on the right side of the firing line on Duke Range.	Gate
A-45A	FA 991 829	Across Booker Breach site entrance road 200m past Duke Rng entrance gate	Gate
A-46	FA 984 832	Across unnamed trail 100m W. of the intersection of 1st Div Rd and Ivy Rd.	Gate
A-47	FA 990 833	Across unnamed trail 500m W. of the intersection with 1st Div & Buckeye Rd's	Gate
A-48	FA 995 827	Across fire break located on the right side of the firing line on Porter Range.	Cable
A-49	FA 998 827	Across fire break located on the left side of the firing line on Porter Range.	Cable
A-50	GA 000 830	Across unnamed trail 200m W. of entrance to Maertens Range.	Gate
A-51	GA 031 791	Barrier on Furman Rd	Barrier 1
A-52	GA 034 776	Barrier on Yankee Rd	Barrier 2
A-53	GA 035 776	Gate to Cole Range	Barrier 3
A-54	GA 046 749	Barrier off Lightning Rd on unnamed trail	Barrier 5
A-55	GA 057 759	Barrier off Lightning Rd on unnamed trail	Barrier 4

COMPOSITE RISK MANAGEMENT WORKSHEET

For use of this form, see FM 5-19; the proponent agency is TRADOC.

1. MSN/TASK WEAPONS FAMILIARIZATION	2a. DTG BEGIN 16 MAY 2012	2b. DTG END 18 MAY 2012	3. DATE PREPARED (YYYYMMDD) 20120515
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4. PREPARED BY			
a. LAST NAME KRIEGER	b. RANK SGT	c. POSITION S-3 LAND NCO	

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
	Fratricide due to moving through another Ranger's field of fire	M	OIC and RSO will issue a detailed safety brief to all participants. PMI will be conducted prior to firing. All Rangers will wear MICH, Plate Carrier w/Plates and eye protection.	L	OIC/RSO/PSG/SL/TL will ensure that all rangers will comply to the safety brief. They will also make	OIC / RSO and Leaders	
			Qualified medic/EMT/RFR will be on site with a designated aid vehicle. The OIC/RSO will clear the down range area before allowing Rangers to touch weapons on the firing line.		sure that the ranger knows which target is his and his lane of fire is cleared before pulling the trigger.		
			All Rangers will maintain positive control of their weapons with it placed on safe and slung during movement forward of the firing line.				
			Rangers will fire only at designated targets in their sector. TL's and SL's will be responsible for closely supervising their men on the range.				
	Accidental Discharge	M	Weapons awareness will be emphasized during the range safety brief. Weapons will be on safe when not engaging targets. Rangers will only use weapons they are qualified on.	L	The OIC/RSO and leaders will make sure that all Rangers will only lock and load when told to do so.	OIC / RSO and Leaders	
			Rangers will fire only at designated targets in their sector.		OIC/RSO and Leaders will make sure that all Rangers weapons are on safe after they are done firing.		

Additional space for entries in Items 5 through 11 is provided on Page 2.

13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check one)

LOW
 MODERATE
 HIGH
 EXTREMELY HIGH

14. RISK DECISION AUTHORITY			
a. LAST NAME CHENEY	b. RANK MAJ	c. DUTY POSITION Battalion S-3	d. SIGNATURE 

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
	Ricochet	M	Lanes will be checked for ricochet hazards before training and Rangers will be briefed on hazards. The OIC/RSO will attempt to clear hazards.	L	OIC/RSO and Leaders will make sure Rangers will only shot at the targets that are in there lane.	OIC / RSO and Leaders	
			MICH, Plate Carrier w/Plates and eye protection will be worn. All Rangers will be up range from the targets during the firing and only fire at their designated targets in their sector.				
	Injury due to cut or fall	M	Rangers will receive a safety brief regarding the terrain. OIC/RSO will identify hazards on the lane. Rangers will be familiar with the equipment before executing training.	L	OIC/RSO and Leaders will make sure that all Rangers area aware of the hazzards before and durning firing.	OIC / RSO and Leaders	
	Hearing Loss	M	Rangers will use hearing protection during all LFX. Extra hearing protection will be available at the range.	L	OIC/RSO and Leaders will make sure that everybody will have the proper hearing protection in while firing.	OIC / RSO and Leaders	
	Heat Casualty /Cold Weather Injury	M	Rangers will hydrate before, durning, and after training. Rangers will eat all meals. Observe proper work to rest ratio for climate conditions.	L	OIC/RSO and Leaders will make sure everybody is hydrating at all times durning the training event.	OIC / RSO and Leaders	
			Leaders and buddies montior for heat and cold symptoms. Leaders will ensure that the Rangers wear propor dress for the climate conditions and modify the uniform as necessary.				
	Severe Weather (Storms, Lightning, Tornadoes)	M	Leaders will monitor all nets for storm warnings. In case of lightning, Rangers will be sent to a dispersal area away from any tall trees, structures, and metal.	L	OIC/RSO and Leaders will check the weather before the training event and will monitor the net for any storm	OIC / RSO and Leaders	
			Radios will be turned off. In the event of extreme weather, the unit will clear the training area and move to a safer location.		warnings that range control will put out.		
	Wildlife / Insect Sting	L	Safety brief will address wildlife considerations. The OIC/RSO will proof the lane for any wildlife issues. Rangers will not handle wildlife.	L	OIC/RSO and Leaders will identifie all personal that have allergies and make sure they know where the CLS is in	OIC / RSO and Leaders	
			Rangers with allergies will be identified by their chain of command. A CLS on site will administer first aid to any Ranges bit or stung.		case they need to be treated for a sting by the medic.		

ITEMS 5 THROUGH 12 CONTINUED:

5. SUBTASK	6. HAZARDS	7. INITIAL RISK LEVEL	8. CONTROLS	9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
	Rounds that misfire	M	Section crew drills prepare Ranges for this event. Rangers cover actions upon misfire during PMI training.	L	OIC/RCO and Leaders will make sure that the misfired round is placed away from the ammo and all misfired	OIC / RSO and Leaders	
			They will place misfired round away from troops training and notify EOD to dispose of the misfired round.		rounds are disposed of by EOD.		
	RAAWS/AT-4 blast effects	L	RSO controls movement on and off the firing line. Back blast areas will be cleared by Gunners/AG prior to firing. Gunners/AG will not exceed BOP limit.	L	OIC/RSO and Leaders will make sure that the back blast area is cleared before the round is shot.	OIC / RSO and Leaders	
			MSD will be followed for weapon system ammunition type used.				
	Disoriented Ranger moves down range	L	Squads maintain unit integrity. Squad Leaders maintain accountability of all men and equipment.	L	OIC/RSO and Leaders will make sure that all Ranger are accounted for at all time while shooting is going on.	OIC / RSO and Leaders	

Example Unit/Activity SOP for Training and Deployment

Introduction

This SOP is divided into two main sections: PREVENTION & RESPONSE. The following sections will assist you in planning your environmental activities while bedding down, initiating, sustaining and conducting field exercises, and/or during deployment. Before you deploy, ensure you are familiar with the following:

What Are Hazardous Materials and Hazardous Wastes

Hazardous Materials are defined as any material that may be a health or physical hazard, or any material that, based on either chemical or physical characteristics, is capable of posing a risk to human health or the environment if improperly disposed of, handled, stored, or transported. Chemical and physical characteristics that may pose a risk to human health or the environment include, but not limited to, one of the following characteristics: Ignitable; Corrosive; Reactive and/or Toxic.

Hazardous Waste: is defined as any discarded material (solid, liquid or gas) that:

1. Has no further value and cannot be reused or recycled;
2. Is harmful to human health or the environment due to its quantity, concentration, biological, chemical or physical characteristics; and/or
3. Exhibits one or more of the characteristics as described for Hazardous Material.

Contaminated or unusable fuel is a typical hazardous material/hazardous waste common to training and deployment operations and should be handled, stored, and disposed of properly.

Ten of the most common hazardous materials/hazardous wastes that you will encounter during training and or deployment operations include:

- Fuel
- Engine Oil
- Bleach or DS-2
- Solvent
- Anti-Freeze
- Transmission Fluid
- Used Oil Filters or Batteries
- Empty POL Containers
- Brake Fluid
- Grease.

These materials should be handled, stored and disposed of properly.

SPILL KITS: Spill kits should be maintained in and around all locations where hazardous materials/hazardous wastes are stored, handled, or disposed. Various types of kits may be ordered through the U.S. Army Supply System and include: rubber gloves, safety goggles, putty, rubber mallet, wooden plugs, absorbent booms, absorbent pads, plastic bags, and in some cases, a disposal barrel.

SPILL PREPARATION: Despite the best prevention, you may run into difficulties and an accident may occur when you least expect it. To minimize contamination, hazards to people, and environmental damage, you must REACT immediately. To help you prepare, this SOP will tell you:

- HOW to PLAN and be ready to respond to a problem;
- HOW to REACT to a minor, intermediate or major spill; and
- WHAT to do after a spill occurs.

Planning

MINOR SPILLS

- When on the move, keep some plastic bags in your vehicle, and have your assigned On-Vehicle Equipment (OVE) ready for use.
- Maintain supplies, rags, absorbent pads, or other kinds of materials that will soak up spills on hard surfaces (like Dry Sweep), or know where you can easily obtain them.
- Keep Personal Protective Equipment (PPE) accessible (gloves, goggles, etc.).

INTERMEDIATE & MAJOR SPILLS

In addition to the procedures above:

- Know where to go for help.
- Know where spill kits are kept and learn how to use them.

Prevention

Vehicle Maintenance and Fueling Points, Hazardous Waste Collection Points and hazardous material Storage & Supply Areas may not be set up at your deployment destination. So PLAN to build your areas to prevent hazardous material accidents before they occur. Remember the following:

HAZARDOUS MATERIAL/HAZARDOUS WASTE AREA LOCATION - Locate hazardous material/hazardous waste areas away from living areas, bunkers, ammunition storage, fence lines and/or dining facilities. Place them near the areas where hazardous material are used.

MATERIAL SAFETY DATA SHEET (MSDS) - Keep MSDSs for each hazardous material stored or collected at hazardous material/hazardous waste areas.

UNIT/ACTIVITY ENVIRONMENTAL SOP & SPILL RESPONSE PLAN - Place SOP and Spill Response Plan at each hazardous material/hazardous waste area.

COMPATIBILITY OF MATERIALS - Store and/or dispose of each class of hazardous material/hazardous waste separately. MSDSs describe the classification of HMs. Four common classification include the following: Flammable (fuels), Corrosives (acids), Reactive (explosives), and Toxic (insecticides).

BEFORE you deploy, plan to pack drip pans, rags, plastic, Dry Sweep, absorbent, and spill pallets to prevent drips, spills, and leaks from seeping into the ground and contaminating soil and water resources.

SECONDARY CONTAINMENT - All liquid hazardous material/hazardous waste must have secondary containment. In order for it to be effective it must:

1. Hold 10% of the total hazardous material/hazardous waste stored or 100% of the largest container.
2. Have sand and/or pallets placed in certain areas to protect the liner.
3. Have overhead cover.

You should continually keep your hazardous material/hazardous waste areas clean and orderly by applying the principals of Monitoring and Housekeeping. An easy way to remember what to check, is

to remember your **CHECK** list:

Containment:

- ___ Ensure that secondary containment is used and in good condition.
- ___ Empty water within secondary containment on a regular basis and dispose of it as hazardous waste at the Hazardous Waste Collection Point.

Hazardous Material/Hazardous Waste locations:

- ___ Make sure the locations of your hazardous material/**hazardous waste** are well chosen.
- ___ Put up warning signs and keep them clean and orderly.

Environmental Documentation:

- ___ **Maintain MSDSs for each hazardous material and update Unit/Activity SOPs and Spill Response Plans regularly.**

Containers:

- ___ Check condition of containers and keep containers of incompatible materials in proper order.

Kits:

- ___ Place Spill Kits, First Aid Kits, and Emergency Response Kits in the vicinity of the hazardous material/hazardous waste areas.

See Appendix D of the ASP for specific CHECKlists for areas such as: Vehicle Fueling & Maintenance Areas; Hazardous Waste Collection Points; and Hazardous Material Supply & Storage Areas.

Response

Be prepared to respond immediately to any spill situation. Keep your Environmental SOP and Spill Response Plan (SRP) readily available at the main hazardous material/hazardous waste areas. The SRP should ensure that the following measures are implemented:

- PERSONAL PROTECTIVE EQUIPMENT (PPE) - At the entrance of every hazardous material/hazardous waste area, keep a supply of PPE to protect hands, eyes, skin, ears, head, feet, and lungs. If you are unsure about which items you need, consult the MSDS for the HMs that you are using.
- MSDS - Make sure that MSDSs are available in order to REACT to spills safely and effectively.
- SPILL STATIONS - Maintain spill response equipment at a station near (not inside of) hazardous material/hazardous waste areas. They should contain: First Aid Kits, Fire Extinguishers, Spill Response Kits, and Emergency PPE.
- TRAINING - Improve your readiness by practicing the SPILL DRILL on a regular basis, and be sure to know the spill reporting process.

Respond to spills, major or minor, immediately in order to eliminate hazards that could cause personal injury and/or environmental damage. If assistance is required, or spill/release is major, immediately call 911 or the Fort Benning Military Police (MP) Desk.

In any spill situation:

1. Safety First! -- Protect yourself by using PPE, including goggles, gloves, and suits. THEN...
2. Do the SPILL DRILL -- **REACT**:

REMOVE THE SOURCE: Plug the drip or leak and stop the spill.

ENVELOP THE SPILL: Place absorbent booms around the spill area, or build an earthen dam, when appropriate, around the spill.

ABSORB/ACCUMULATE: Place appropriate absorbent material (Dry Sweep, pads, etc.) on the spill in the middle of the boomed-off area.

CONTAINERIZE THE HAZARDOUS WASTE: Use a shovel to place contaminated materials (including soil, booms, pads or other materials) in a plastic bag or a waste drum.

TRANSMIT A REPORT: If a spill is too large to handle alone, - REACT as best you can and get help!

See Appendix D of the ASP for specific REACT actions for spills involving:

- Minor Spills (20 gallons or less);
- Intermediate Spills (from 21-55 gallons); and
- Major Spills (more than 55 gallons), or any spill into water, where injuries occurred or where spills occurred off Fort Benning associated property.

In addition:

- Prevent hazardous material from entering storm sewers and waterways;
- Minimize impacts to vegetation and wildlife; and
- Notify proper personnel and maintain record of spill event.

Acronyms are defined in the ASP Table of Content

APPENDIX H

Spill Kits and Response Material Checklists

Summary Spill Kit and Response Material Checklist

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

Recommended Spill Kits for Fuel Carrying Vehicles

Recommended Spill Kits for Other Military Vehicles

Vehicles Transporting Hazardous Materials other than POL

Summary Spill Kit and Response Material Checklist	
Spill Kits and Response Material	Primary Contents
<p>Spill kits should be maintained in and around all locations where hazardous material and hazardous waste are stored, handled, or disposed.</p> <p>The contents of a spill kit will vary depending on the hazardous materials and their characteristics.</p> <p>Hazardous materials other than POL will require spill kits to meet their specific requirements, (i.e., acid spill kit for Battery Shop that handles lead acid batteries).</p>	<p>Spill kits should include as a minimum:</p> <ul style="list-style-type: none"> ✓ Rubber gloves, ✓ Safety goggles, ✓ Putty, rubber mallet, ✓ Wooden plugs, ✓ Absorbent booms, ✓ Absorbent pads, ✓ Plastic bags, and ✓ In some cases, a disposal barrel.
<p>The Unit/Activity must check the material's MSDS for specific information on PPE and spill supplies.</p>	<p>Units/activities transporting hazardous materials should also plan for having a minimum amount of response materials on hand.</p> <ul style="list-style-type: none"> ✓ Various types of kits can be ordered through the U.S Army Supply System (through the Units supply or S-4 shop); ✓ The Unit/Activity must assess their hazardous material inventory and plan to have enough spill response material to respond to the larger container within their facility and the minimum for any specific hazardous material that require specific spill materials or PPE; and ✓ Whenever the Unit gets to this minimum level, the user should initiate a reorder to the supply NCO or S-4 to maintain the minimum amount on-hand.

Acronyms are defined in the ASP Table of Contents

Recommended Spill Kits for Unit/Activity Motor Pools, Aircraft Hanger Areas, and all POL Field Sites

30-Gallon POL Boom Kit: Absorbs Approx. 40 Gallons
Polyurethane 2 Rolls
55-Gallon POL Kit: Absorbs Approx. 40 Gallons
1 55 Gallon Drum
2 Bags Absorbent
6 Booms 2x10
50 Absorbent Pads
10 Heavy Duty Trash Bags

Recommended Spill Kits for Fuel Carrying Vehicles

It's recommended that all fuel carrying vehicles should have a transportation pack spill kit or equivalent spill equipment on board at all times. The following vehicles are considered to be fuel transporting vehicles: HEMITT M971 2500 gallons, Tanker 5000 gallon, M49C 1200 gallon, Tank and Pump unit 600 gallon.

The following is a list of the minimum level of spill equipment recommended to be on hand in all fuel carrying vehicles, especially if they are traveling within the Installation or in a field exercise.

Drip Pan

30-Gallon POL Kit: Absorbs Approx. 20 Gallons

1 30 Gallon Drum
1 16 pound bag Absorbent
3 Booms 2x10
25 Absorbent Pads ~17x19
5 Heavy Duty Trash Bags
1 Dust Pan

Recommended Spill Kits for Other Military Vehicles

Recommended on Vehicle Equipment (OVE) for small spills (usually from vehicle leaks):

1 drip pan
4-5 absorbent pads
1-2 plastic bags.

Additional Materials or Equipment

For each one of these recommended spill kits, the following should be available:

PPE such as: Goggles and Gloves. (2-3 pairs)
1 Shovel
2 Labels for wastes
1 Spill report
1 Inventory

Vehicles Transporting Hazardous Materials other than POL

- ✓ Transportation of hazardous materials is regulated under the Department of Transportation. Personnel transporting hazardous materials must follow all DOT requirements.
- ✓ As a preventive measurement, vehicles transporting small amounts of hazardous materials or waste should have a transportation pack spill kit or equivalent spill equipment on board to REACT in the event of an incident.

- ✓ Hazardous Materials other than POL will require spill kits to meet their specific requirements. The Unit/ Activity should check the MSDS for the materials that they transport and have appropriate amount for those particular materials.

Spill Response Record

PHASE I-IMMEDIATE ACTIONS FOR EVALUATING AND REPORTING SPILLS:

IMMEDIATELY REPORT ALL SPILLS TO YOUR SUPERVISOR AND/OR CALL 911 or the Fort Benning Military Police (MP) Desk

****BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION TO THE 911 OPERATOR:**

During Duty Hours also Call Mr. Felix Seda, EMD Spill Manager at (706) 545-9879

1. DATE/TIME OF SPILL: _____ / _____
2. LOCATION: _____
3. MATERIAL SPILLED (include NSN and ingredients, if able): _____
4. HAZARD: FLAMMABLE _____ TOXIC _____ CORROSIVE _____
OXIDIZER _____ REACTIVE _____ UNKNOWN _____
OTHER (Specify) _____
5. CAUSE OF SPILL: _____
6. DESCRIPTION OF SPILL QUANTITY, SIZE AND TYPE OF AREA AFFECTED:
 - a. Quantity Released and Size of Spill Area: _____
 - b. Soil: _____
 - c. Pavement: _____
 - d. Vegetation: _____
 - e. Storm or Sewer Drain: _____
 - f. Name of body of Water (River, Creek, Pond, Lake, Drainage Ditch): _____
7. HAS RELEASE BEEN STOPPED? _____
8. HAS RELEASE BEEN CONTAINED? _____
9. DID RELEASE CROSS INSTALLATION BOUNDARIES: (IF YES, DESCRIBE LOCATION): _____
10. TYPE AND EXTENT OF INJURIES, IF ANY: _____

****Provide a copy of this form to DPW EMD Spill Program Manager or FAX to (706) 545-4209**

PHASE II -- POST-SPILL RESPONSE AND CLEAN UP ACTIONS:

11. DESCRIBE CLEAN-UP METHOD AND CONTAINMENT PROCEDURES: _____
12. NAME OF CONTRACTOR INVOLVED IN CLEAN-UP: _____
13. ESTIMATED AMOUNT OF SPILL RESIDUE AND CONTAMINATED MATERIAL REMOVED: _____
14. ESTIMATED COST OF CLEAN-UP: _____
15. CORRECTIVE ACTION TAKEN OR TO BE TAKEN TO PREVENT FUTURE SIMILAR INCIDENTS: _____
16. NAME AND PHONE NUMBER OF PERSONNEL REPORTING SPILL: _____

****KEEP THIS FORM FOR A MINIMUM OF 5 YEARS**

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

RED-COCKADED WOODPECKER (RCW): Cavity trees are identified by two white bands. Cluster boundaries extend 200 feet around each cavity tree, and are delineated by diamond-shaped signs. **WITHIN a cluster:**

- Personnel MAY NOT stay for more than 2 hours; NO BIVOUACS.
- The only digging allowed is BY HAND for hasty defense light infantry fighting positions. ALL other digging is prohibited.
- Within one half mile of a cluster, NO MECHANICAL DIGGING may be done within 20 feet of any mature pine tree (8 inch diameter or greater).
- Off-road vehicles MAY NOT come within 50' of any cavity tree.
- Use only .50cal and 7.62mm (or smaller) blank ammo; NO LIVE FIRE.
- CS gas, HC smoke, and noise generators MAY NOT be used.
- Incendiary devices (including trip flares) MAY NOT be used.
- Only hardwood may be cut for camouflage; CUT NO PINE.

GOPHER TORTOISE: Inhabits burrows in high sandy areas. Some burrows are marked by white 1" PVC pipe topped with reflective tape. Digging and vehicular traffic must be kept more than 50 feet away from burrows.

----- CUT HERE -----

ENVIRONMENTAL INCIDENT REPORT FORM

For your protection, company commanders are asked to document any environmental incidents by completing this card and forwarding it to the Chief, Environmental Management Division, Building 6, Room 307, or call 545-2180, within 24 hours of incident. Check off incident and take corrective actions.

- bivouacking in RCW cluster (Relocate bivouac site.)
- off-road driving / parking within 50' of RCW cavity tree (Relocate.)
- digging in RCW cluster [except individual hasty fighting positions] (Refill holes.)
- scarring or felling of trees in RCW cluster (Contact EMD Conservation Branch through Range Control.)
- digging or driving in Sensitive Area (Relocate, DO NOT refill holes.)
- wildfire started (Begin suppression and contact Range Control.)
- POL spill greater than 20 gallons on land or any quantity on water (Immediately contact Range Control and begin spill control - **REACT**.)
- POL spill less than 20 gallons on land (Begin spill control - **REACT**; contact Range Control and submit a Spill Report Form to EMD within 24 hours.)

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

SENSITIVE AREAS: Endangered species habitat or cultural resources. They are marked with steel pickets and white signs. Digging and vehicular traffic is prohibited.

POL/HAZMAT SPILLS: Report all spills through Range Control at 545-3474. If assistance is required from the Fire Department/HAZMAT Team, Range Control will make notifications through E-911. For POL spills greater than 20 gallons on land or any quantity on surface water, the Environmental Management Division (EMD) must be immediately notified through E-911 or 545-9879/4203. For POL spills less than 20 gallons on land, a Spill Report Form must be submitted within 24 hours to the EMD (Call 545-9879 and/or FAX 545-4209). After hours call the spill pager at 317-6584.

Unit should begin spill control measurements (REACT) within their capabilities. If a spill occurs within a sensitive area; stop the source, contain, and absorb the spill material - do not dig until EMD personnel arrive at the site.

Be prepared to report.

- Time, grid location, and cause of spill.
- Type of product and amount spilled.
- Distance from flowing water.
- Action taken to combat spill.

See USAIC 210-4, Range and Terrain Regulations, for more detail.

ENVIRONMENTAL INCIDENT REPORT FORM

Unit: _____

OIC/NCOIC: _____

Training Area: _____

Grid Coordinates: _____

Date and Name: _____

Signature: _____

FB (DPW) Form 31, 1 May 2004 PREVIOUS EDITION OBSOLETE

