

**FIRING/NONFIRING DATA**

LOG# 7-7-15

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

<b>TO:</b> Chief, Range Division, Directorate of Plans, Training, Mobilization and Security Fort Benning, GA 31905	<b>Date:</b> 27 July 2015 <b>Range:</b> Brooks <b>Title:</b> 19D OSUT LFX <b>Problem No:</b>
<b>THRU:</b> 194th AR BDE Fort Benning, GA 31905	<b>FROM:</b> 5-15 CAV, 194th AR BDE Fort Benning, GA 31905

**SECTION I, TYPE OF TRAINING**

a. Live Fire     
  b. Non-live Fire     
 CP/Controller Coordinates: Tower 1057 9937

**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS**

Coordinates	Type	Model/DODAC	Size of Charges
N/A	N/A	N/A	N/A

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
See weapon & Ammo List	See weapon & Ammo List	See weapon & Ammo List	See weapon & Ammo List	See weapon & Ammo List

**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 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:	Training area(s) to be occupied:  <input type="checkbox"/> Scenario of training to be conducted: <input type="checkbox"/> Sketch of area(s) to be occupied: <input type="checkbox"/> Risk Assessment:
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Name/rank of requesting officer: MCNEAL, NATHAN K. SSG 	Name/rank of Major Unit S3/Commander: CUSHING, JOHN M. COL 
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**SECTION VI, FOR RANGE DIVISION USE**      **DATE:** 31 August 2015

<b>TO:</b>	<b>FROM:</b> 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: c. Remarks: d. This approval expires: 30 Aug 17	SEE ENCLOSURE
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Chief, Range Division  
Directorate of Plans, Training, Mobilization and Security



DEPARTMENT OF THE ARMY  
HEADQUARTERS, 5<sup>TH</sup> SQUADRON, 15<sup>TH</sup> CAVALRY REGIMENT  
WHELLOCK HALL, BLDG. 4318  
7226 2<sup>ND</sup> CAVALRY REGIMENT STREET  
FORT BENNING, GEORGIA 31905

REPLY TO  
ATTENTION OF

ATZK-BAE

26 August 2015

MEMORANDUM FOR RANGE CONTROL

SUBJECT: One Station Unit Training Live Fire Scenario

1. The following request outlines the request of 5<sup>th</sup> Squadron 15<sup>th</sup> Cavalry Regiment to conduct live fire exercises that incorporates Stryker MGS firing from either BP1 or BP2. HMMWV's and Stryker RV's with either M240B machine gun or .50 caliber machine gun will be fired from BP1 and BP2 or M240B from center sector of the firing line (baseline) to the right side of the firing line and the M2/A1 .50 Caliber machine gun also mounted on the HMMWV or Stryker RV fired from center sector of the firing line (baseline) to the left side of the firing line both ending on the edge of the concrete pad. Bradley Fighting Vehicles firing the M242 Bushmaster from BP1 and BP2 **ONLY**. **At no time will the left ½ side firing line (baseline) and BP1 & BP2 fire simultaneously. BP1 and BP2 will not be occupied when firing from the left ½ side firing line (baseline).** The Long Range Advance Scout Surveillance System (LRAS) trucks will be used in conjunction with the live fire exercise that incorporate a Call for Fire mission; vehicle position will be marked by the Master Gunner in the wood line behind the firing line (baseline). CFF station 1 and 2 will communicate by radio with the tower to complete this task on targets greater than 1700 meters. This exercise will be conducted on Brooks Range as a part of the 19D POI requirement.

2. Scheme of maneuver:

a. (Phase 1) Gunnery exercise will be a setup day consisting of Bradley Fighting Vehicle movement to the range by HETT. Cadre members will download the vehicles and move the Bradley's to BP1 and BP2. The BFV's hull and turret will be oriented on the left range fan. All tracks and bolts will be lubricated, prefire checks, and bore sight procedures will be completed. The Master Gunner will verify emplacement of each vehicle on the firing line. The HMMWV's, Stryker RV's, and Stryker MGS will road march to the range by cadre members and will be placed on the right side of the baseline (firing line) and then mount the weapon on top of the vehicles. The Stryker MGS will stage with the BFV's. The vehicles will then be secured and a guard force will be emplaced. All weapon systems will be clear with no ammo in the vehicles. Phase ends once unit setup is complete.

b. (Phase 2) The trainees will be transported to the range by bus and will receive a Safety Briefing and a Conduct of the Range Brief by the RSO. The non-firing platoons will conduct range support. Range support will issue weapons, break down ammo, move weapons on and off the range once cleared by RSO and conduct police call. Ammunition will be broken down in preparation for pick up. Weapons will not be loaded until vehicle is in the firing position and after the command is given.

d. Demonstration vehicles will clear off and the firing platoon will cycle through four stations. The M2A1 .50 Caliber/M240B Dismounted (if required), M240B/M2A1 Machine Gun mounted on

ATZK-BAE

SUBJECT: 5<sup>th</sup> Squadron, 15<sup>th</sup> Cavalry Light Scout Gunnery SOP

HMMWV/Stryker, and the BFV. The firing platoons will don the required uniform based on platform they will fire, file through the ammo pad, and receive their ammunition.

e. The trainees will receive 200 rounds of 7.62mm link and 200 rounds of .50 cal for day fire and 100 rounds of 7.62mm link and 100 rounds of .50 cal for night fire using PAS13. Once the trainees have moved to their firing vehicle, cadre members will instruct and supervise them through the loading process and barrel change procedures as necessary. Once complete with 240B trainees will conduct an AAR and then rotate to the .50 cal machine gun. The M240B center 1/3 sector of baseline and M2A1 MG right 1/3 sector of baseline or BP1 and BP2 will utilize targets on target list.

f. They then move as a platoon to the last station; BFV. As a group, BFV fires will receive 210 rounds of 25MM per four trainees for day and night fire. BFV's firing from the left 1/3 sector of baseline or BP1 and BP2. Once each platoon finishes all four stations, they will swap rolls with the platoon in support. The trainees will receive a Safety Briefing and a Conduct of the Range Brief by the RSO. The non-firing platoon will swap rolls with the firing platoon and perform the same process as the day prior. All weapons system must remain up and down range at ALL times. The appropriate fire commands will be given by the Cadre and proper response terms will be given by trainees while conducting during the dry and live fire iterations of gunnery.

g. (Phase 3) Once all firing is complete and the training objective has been accomplished, all weapons will be cleared each day by the RSO. At this time the range clearing procedures will begin so the unit can clear the range and all vehicles will be moved to the next training site.

### 3. Safety

a. **LASER's:** Class III A lasers are unsafe to the eye 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.**

b. **Communications:** 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.

c. **Incident:** 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:

1. Designation of unit.
2. Range and location
3. Type of weapon involved.
4. Type of ammunition involved.
5. Brief summary of what happened.
6. Personnel injuries and extent.
7. Full Name, SS#, Rank and unit of injured personnel.
8. Extent of property damage.
9. Intentions regarding an AR 15-6 investigation.

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SUBJECT: 5<sup>th</sup> Squadron, 15<sup>th</sup> Cavalry Light Scout Gunnery SOP

d. **Medical:** 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 MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control.

e. **Ammunition:** There will be no de-linking or re-linking of any ammunition. Any ammunition that has been de-link or re-linked is considered nonstandard and is prohibited from the range.

f. **Weapons/Ammunition Malfunction Reports:** 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.

g. **Ammo Point:** The ammo point NCO will control the issue and retrieval of all ammunition. All ammunition (blank, live, HE, TP-T, etc...) will be marked and physically separated within the ammo point (or separate ammo points) and signed by the ammo NCO.

h. **Voice:** Primary means of signaling cease fire will be FM communication. Alternate signal will be colored smoke/star cluster. Emergency cease fire signal will be RED SMOKE/ Air-horn. All signals will be included in the initial safety briefing. Anyone observing any unsafe act can call for a Cease Fire.

i. **Hearing Protection:** Impulse noise above 140 decibels require double hearing protection for all Soldiers within 16 meters of the gun systems (25mm and .50 cal.).

4. The point of contact for this action is SSG McNeal, Nathan K., HQ, 5<sup>TH</sup> Squadron, 15<sup>TH</sup> Cavalry Regiment Master Gunner at (706) 626-4123 or at nathan.k.mcneal.mil@mail.mil.

  
JARRELL O. HORSLEY  
CPT, EN  
Executive Officer

**Brooks Range, 194th, 5-15 CAV OSUT Gunnery (Log #7-7-15) Weapons, Ammo And Target List Enclosure 17 Aug 15.**

Firing Positions	Weapons	Ammunition	Left Limit Mils Grid Azimuth	Right Limit Mils Grid Azimuth	Targets
Left Half Baseline: 1064 9939 to 1060 9934	M2	.50 cal Ball/Tracer	2045	2470	206 - 223. M: 1, 2.
Right Half Baseline: 1060 9934 to 1055 9929	M240B M249	7.62mm Ball/Tracer 5.56mm Ball/Tracer	1965 1965	2625 2625	Group: 2, 4, 6, 7. 204 - 210. Group: 2, 4, 6, 7. 204 - 210.
BP1: 1073 9943	M2 M240B/C M242 M105	.50 cal Ball/Tracer 7.62mm Ball/Tracer 25mm M793/M910 105mm/C510/C511	2210 1960 2210 2210	2575 2575 2575 2575	206 - 223. M1, M2. Group: 3, 6, 7. 206 - 210. 206-223. M1, M2. 206-223, M1, M2
BP2: 1068 9938	M2 M240B/C M242 M105/MGS	.50 cal Ball/Tracer 7.62mm Ball/Tracer 25mm M793/M910 105mm/C510/C511	2140 2140 2140 2140	2495 2495 2495 2495	206 - 223. M1, M2. Group: 6, 7. 206 - 210. 206 - 223. M1, M2. 206-223, M1, M2



**DEPARTMENT OF THE ARMY**  
**HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE**  
**1 KARKER STREET**  
**FORT BENNING, GEORGIA 31905-5000**

REPLY TO  
ATTENTION OF  
ATZB-SO

24 August 2015

MEMORANDUM FOR Commander, 5/15<sup>th</sup> CAV 7226 2<sup>nd</sup> Calvary Regiment Street, Attn:  
SFC Michael D. Davis, Fort Benning, GA 31905

SUBJECT: 5-15th CAV 19D OSUT Live Fire Exercise on Brooks Range Scenario and  
DRAW Review

1. References.

- a. Army Regulation 385-10, The Army Safety Program, 27 November 2013
- b. Army Regulation 385-63, Range Safety, 30 January 2012
- c. Department of the Army Pamphlet 40-501, Hearing Conservation Program, 10 December 1998
- d. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010
- e. Department of the Army Pamphlet 385-30, Mishap Risk Management, 02 December 2014
- f. Department of the Army Pamphlet 385-63, Range Safety, 16 April 2014
- g. Army Techniques Publication 5-19, Risk Management, 14 April 2014
- h. MCoE Regulation 350-19, Range and Terrain Regulation, 01 March 2013
- i. MCoE Policy Memorandum 385-6-1, Risk Management, 30 October 2014

2. Document received on 21 August 2015.

3. Concur w/comment.

a. Scenario, paragraph 3, pg. 2. Impulse noise above 140 decibels require double hearing protection for all Soldiers within 16 meters of the gun systems (25mm and .50 cal.).

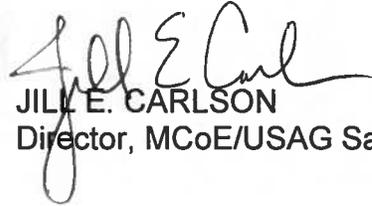
b. DRAW. Noise hazards are not addressed anywhere in the document.

ATZB-SO

SUBJECT: 5-15th CAV 19D OSUT Live Fire Exercise on Brooks Range Scenario and DRAW Review

4. Point of contact is Mr. Michael W. Risher II, MCoE/Fort Benning Safety Office, Comm. (706) 545-8278, Govt. Cell. (706) 604-7249, [michael.w.risher.civ@mail.mil](mailto:michael.w.risher.civ@mail.mil)

Encl

  
JILL E. CARLSON  
Director, MCoE/USAG Safety

**Brooks Range 19D OSUT LFX (Log # 7-7-15) 5 Aug 2015**

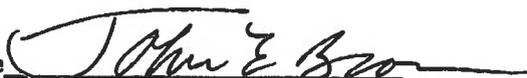
#	GRID	LOCATION	TYPE	#	GRID	LOCATION	TYPE
K-2	GA 163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate	K-26	GA 201 949	Across Boundry Road 1800m S of its intersection with Turrentine Road	Gate
K-3	GA 153 894	Across entrance road leading to Concord OP 250m N. of its intersection with Buena Vista Rd.	Gate	K-27	GA 207 968	Across Turrentine Rd 600m E. of its intersection with Boundary Rd.	Gate
				K-28	GA 191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Gate
K-5	GA 117 920	Across Shamanski Rd 25m N. of its intersection with Buena Vista Rd.	Gate	K-29	GA 189 888	Across un-named trail on left side of Cactus Range 300m W of Cactus Road	Gate
K-7	GA 109 937	Across Moore Rd 15m N. of its intersection with Bullseye Rd.	Cable	K-30	GA 190 890	Across un-named trail on right side of Cactus Range 250m W of Cactus Road.	Gate
K-8	GA 099 947	Across Bulls Eye Rd 50m E of its intersection with Lorraine Road.	Gate	K-32	GA 192 915	Across Shamanski Road 35m W of its intersection with Cactus Rd.	Gate
K-9	GA 103 921	Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)	Gate	K-36	GA 163 883	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate
K-9A	GA 106 919	Across tank trail 200m W of the Upatoi Creek ford site.	Gate	K-36A	GA 163 882	Across Tank Trail 50m W. of its intersection with Box Springs Rd.	Gate
K-10	GA 118 920	Across Buena Vista Rd at K-5 road block.	Gate	K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-11	GA 105 927	Across Moore Rd 20m N. of its intersection with Audernarde Trail. Entrance to Terry Demo Rng. (Road guard location)	Gate	K-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Gate
K-12	GA 104 988	Across Old Lorraine Road 600m S of the tower on Brooks Range.	Gate	K-40	GA 174 908	Across Box Springs Rd 30m S. of Pine Knot Creek.	Gate
K-13	GA 112 943	Across Moore Rd 680m N. of its intersection with Bullseye Rd.	Gate	K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Gate
K-14	GA 113 998	Across Moore Rd 10m S. of its intersection with Lorraine Rd.	Gate	K-42	GA 193 944	Across Box Springs Rd 10m N. of its intersection with Cactus Rd.	Gate
K-15	GA 114 999	Across course road leading out of Ruth Range 50m E. of its intersection with Moore Rd.	Gate	K-43	GA 203 978	Across the northern boundary range road approx 20m N-W. of the old Hastings Range upper baseline.	Gate
K-16	GB 190 003	Across Rinehart Rd 130m W. of its intersection with Box Springs Rd.	Gate	K-44	GA 113 955	Across Moore Rd on the N. side of Carmouche Range maneuver box.	Gate
K-16A	GA 172 989	Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.	Gate	K-45	GA 115 961	Across Moore Rd 300m S. of its intersection with the old Ware Range course road.	Gate
K-16B	GA 171 990	Across un-named trail 20m S. of its intersection with the northern boundary range road.	Gate	K-46	GA 119 979	Across Moore Rd 725m S. of its intersection with Americo Trail	Gate
K-17	GB 116 013	Across unnamed trail 15m E. of Moore Rd and 300m N. of Ruth Range tower.	Gate	K-47	GA 176 963	Across Turrentine Rd 1000m W. of mover 4 on Hastings Range	Gate
K-19	GB 121 023	Across unnamed trail 220m N-E. of Oscar Range Complex Road and 30m S of the northern boundary range road.	Gate	K-50	GA 195 988	Across Box Springs Rd 60m N. of its intersection with the northern boundary range road.	Cable
K-20	GB 141 021	Across unnamed trail 550m S of the northern boundary range road.	Cable	O-9	GA 101 962	Across unnamed trail 10m E of its intersection with Lorraine Rd.	Gate
K-21	GB 139 027	Across the northern boundary range road Aprox 250m East of Cox Creek bridge.	Gate	O-18	GA 093 979	800m N of Ware Rng Entrance on right side of Lorraine Rd	Gate



**EMD Number:** 1518302      **Project#** N/A

**Project Title:** 19D OSUT, BFV and Basic Machine Gun, Gunnery Familiarization Fire (FY 16)

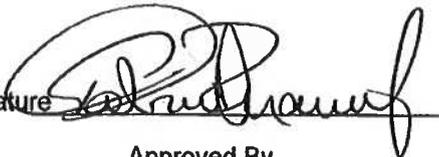
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Signature 

Reviewed By  
John E Brown

NEPA Program Manager

Date 20 JULY 2015

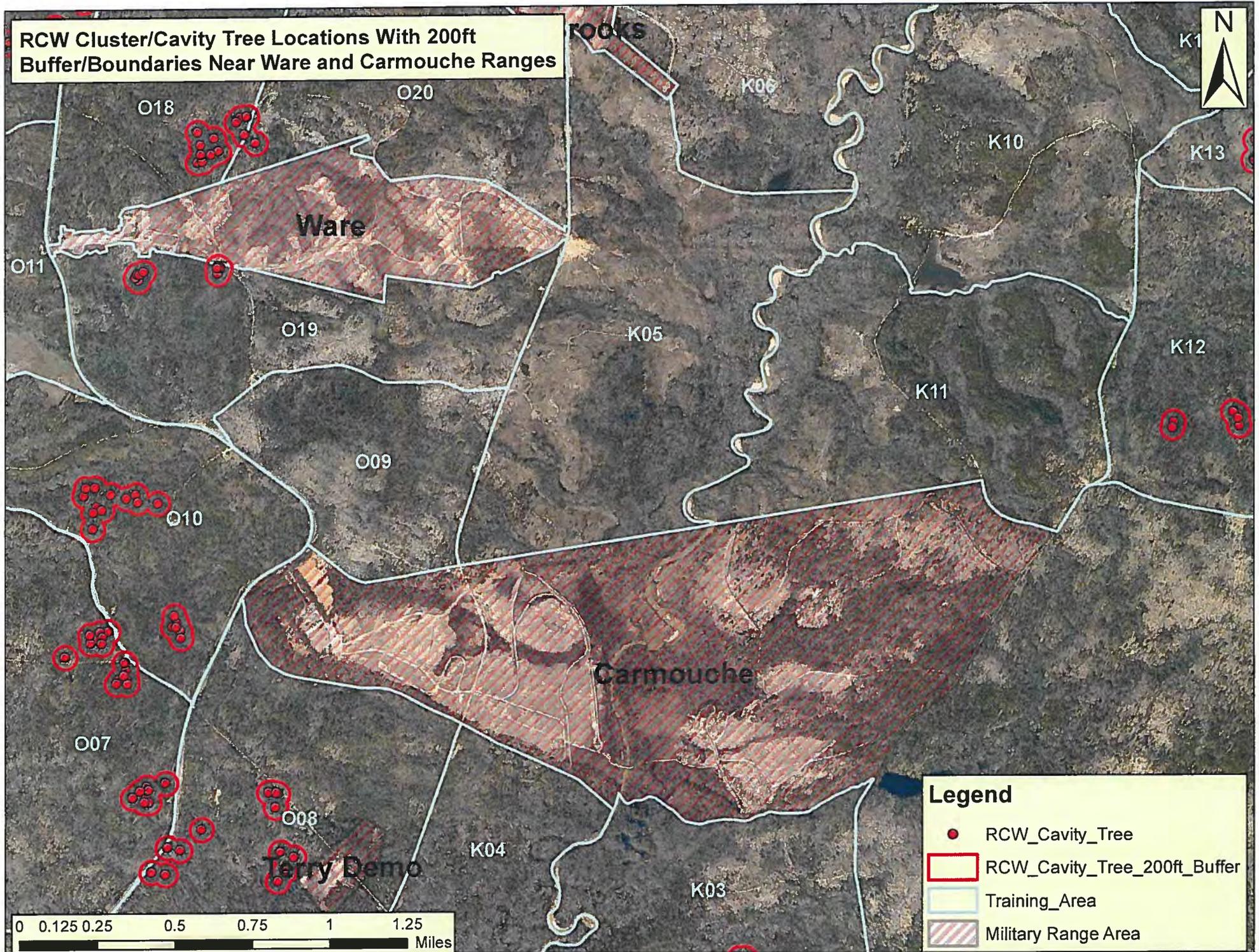
Signature 

Approved By  
Patrick R. Chauvey

EPMB Chief

Date 21 JUL 2015

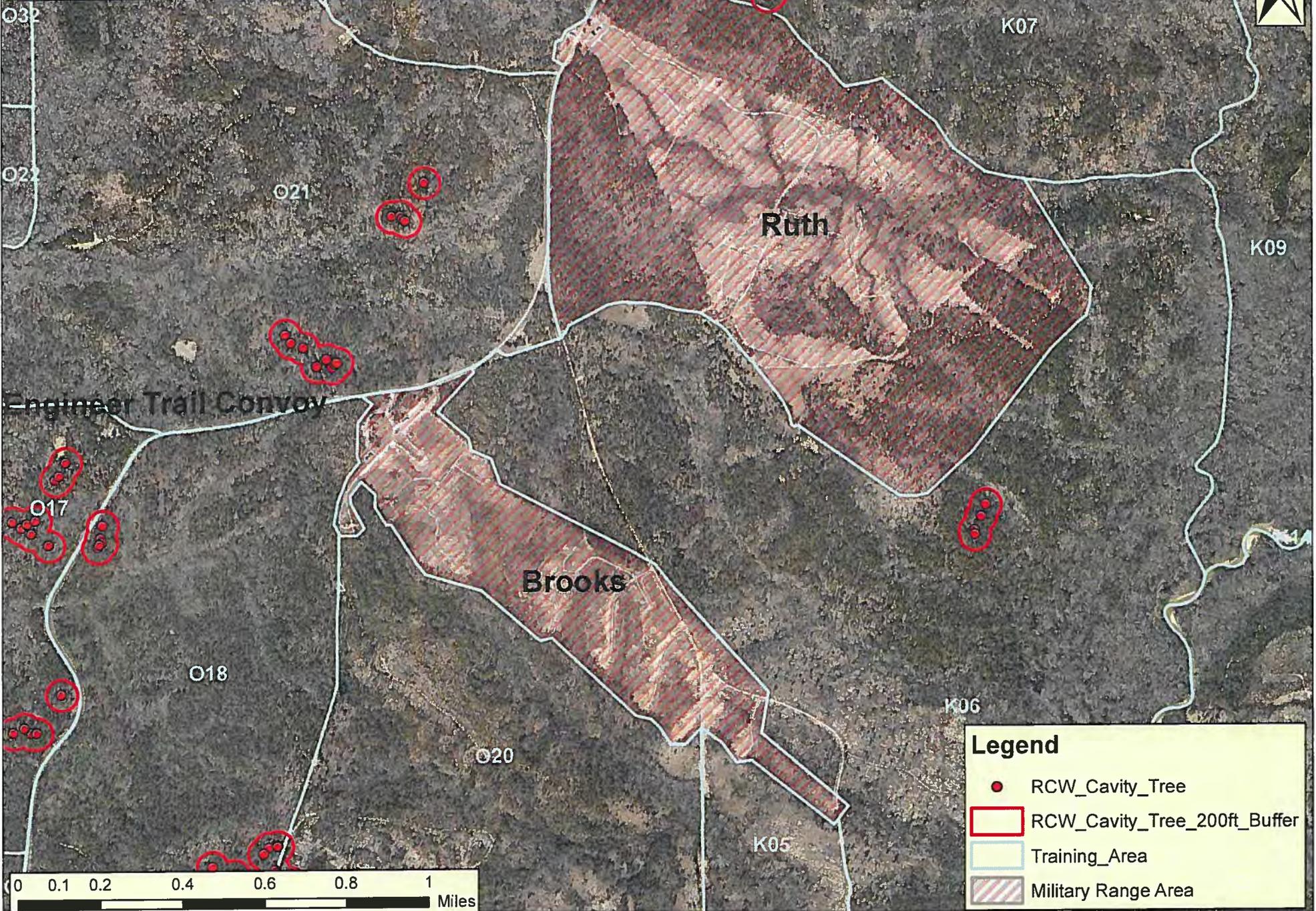
**RCW Cluster/Cavity Tree Locations With 200ft Buffer/Boundaries Near Ware and Carmouche Ranges**



**Legend**

- RCW\_Cavity\_Tree
- RCW\_Cavity\_Tree\_200ft\_Buffer
- Training\_Area
- ▨ Military\_Range\_Area

**RCW Cluster/Cavity Tree Locations With 200ft Buffer/Boundaries Near Ruth and Brooks Ranges**



**Legend**

- RCW\_Cavity\_Tree
- ▭ RCW\_Cavity\_Tree\_200ft\_Buffer
- Training\_Area
- ▨ Military Range Area

0 0.1 0.2 0.4 0.6 0.8 1 Miles

**List of training activities permitted within marked red-cockaded woodpecker (RCW) 200ft buffer zones according to the 2007 Army RCW Guidelines (Department of the Army 2007)**

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	ALLOWED
<b>MANEUVER AND BIVOUAC:</b>	
Hasty defense, light infantry, hands and hand tool digging only, no deeper than 2 feet, 2 hours MAX	Yes
Hasty defense, mechanized infantry/armor	No
Deliberate defense, light infantry	No
Deliberate Defense, mechanized infantry/armor	No
Establish command post, light infantry	No
Establish command post, mechanized infantry/armor	No
Assembly area operations, light infantry/mechanized infantry/armor	No
Establish CS/CSS sites	No
Establish signal sites	No
Foot transit thru the cluster	Yes
Wheeled vehicle transit through the cluster (2)	Yes
Armored vehicle transit through the cluster (2)	Yes
Cutting natural camouflage, hardwood only	Yes
Establish camouflage netting	No
Vehicle maintenance for no more than 2 hours	Yes
<b>WEAPONS FIRING:</b>	
7.62mm and below blank firing	Yes
.50 cal blank firing	Yes
Artillery firing point/position	No
MLRS firing position	No
All others	No
<b>NOISE:</b>	
Generators	No
Artillery/hand grenade simulators	Yes
Hoffman type devices	Yes
<b>PYROTECHNICS/SMOKE:</b>	
CS/riot agents	No
Smoke, haze operations only, generators or pots, fog oil and/or graphite flakes (3)	Yes
Smoke grenades	Yes
Incendiary devices to include trip flares	Yes
Star clusters/parachute flares	Yes
HC smoke of any type	No

(List continued). Training activities permitted within marked red-cockaded woodpecker (RCW) 200ft buffer zones according to the 2007 Army RCW Guidelines (Department of the Army 2007).

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DIGGING ALLOWED:	ALLOWED
Tank ditches	No
Deliberate individual fighting positions	No
Crew-served weapons fighting positions	No
Vehicle fighting positions	No
Other survivability/force protection positions	No
Vehicle survivability positions	No

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NOTES:

- (1) These training restrictions apply to RCW cavity trees in training areas, but not to cavity trees located in dedicated impact areas.
- (2) Vehicles will not get any closer than 50 feet of a marked cavity tree unless on existing roads, trails or firebreaks.
- (3) Smoke generators and smoke pots will not be set up within 200 feet of a marked cavity tree, but the smoke may drift through the 200 feet circle around a cavity tree.

**Red-cockaded Woodpecker (RCW) 200 foot Buffer/Boundary Sign**



**Red-cockaded Woodpecker (RCW) Cavity Trees (White Banded Trees)**



## 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

## 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.)

## 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

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**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**

<b>Summary Spill Kit and Response Material Checklist</b>	
<b>Spill Kits and Response Material</b>	<b>Primary Contents</b>
<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><b>Spill kits should include as a minimum:</b></p> <ul style="list-style-type: none"> <li>✓ Rubber gloves,</li> <li>✓ Safety goggles,</li> <li>✓ Putty, rubber mallet,</li> <li>✓ Wooden plugs,</li> <li>✓ Absorbent booms,</li> <li>✓ Absorbent pads,</li> <li>✓ Plastic bags, and</li> <li>✓ In some cases, a disposal barrel.</li> </ul>
<p>The Unit/Activity must check the material's MSDS for specific information on PPE and spill supplies.</p>	<p>Units/activities <b>transporting hazardous materials</b> should also plan for having a minimum amount of response materials on hand.</p> <ul style="list-style-type: none"> <li>✓ Various types of kits can be ordered through the U.S Army Supply System (through the Units supply or S-4 shop);</li> <li>✓ 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</li> <li>✓ 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.</li> </ul>

**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.

## 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 of 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**

# Brooks 7-7-15

