

Exp Date: 8 Dec 14

10086mc

TRANSMITTAL, ACTION AND CONTROL

For use of this form see MCoE Memo 25-52; the proponent is SGS

1. SGS LOG:	2. IN SGS:	3. OUT SGS:	4. DATE PREPARED:
ES13129241	3 Dec 13	9 Dec 13	15 October 2013

5. SUBJECT: U S ARMY MARKSMANSHIP UNIT RANGE SAFETY WAIVER, PHILLIPS RANGE

6. ACTION OFFICER/OFFICE SYMBOL/PHONE NUMBER:	7. DIRECTOR'S/COMMANDER'S SIGNATURE:
CPT Ryan A. Calhoun, USAMU/S3, 706-545-3510	Don A. King JR, LTC, SF, Commanding

SIGNATURE APPROVAL INFORMATION

M SGS DCofS GC CSM USAIS CSM USAARMS CSM MCoE CSM CDID
 GC CIG M CoE SA DCG-NG Comdt, IN School Comdt, AR School CG

1. PURPOSE: To obtain the MCoE Commanding General's approval for Phillips Range Safety Waiver.

2. RECOMMENDATION: Commanding General signs the Phillips Range Safety Waiver.

3. DISCUSSION: REFERENCE: AR 385-63, Range Safety, 30 JAN 12. DA PAM 385-63, Range Safety, 30 JAN 12. TRADOC Regulation 385-2, TRADOC Safety Program, 06 DEC 11, MCoE Reg 350-19, Range and Terrain Reg, MAR 13.

- a. Phillips Range is a Known Distance training range used by the USAMU in which commands are given to control firing on a target point or testing weapons.
- b. Risk management factors were considered in the development of the Range Safety Waiver. The residual risk level is marked as moderate.
- c. The above reference (TRADOC REG 385-2) delegates waiver authority to General Officers commanding TRADOC installations to reduce dimensions of SDZ's when terrain, artificial barriers, other barriers or the controlling factors make smaller surface danger zones safe.
- d. Enclosures are as follows: USAMU Range Safety Request, CG Range Safety Waiver, Map Depicting SDZ, Risk Management Worksheet.

SIR: Requiring Annual waiver. No issues. Fully coordinated. Recommend approval
1/2 Barb

4. THIS DOCUMENT IS AUTHORED BY:

8. COORDINATION/APPROVAL

OFFICE	ACTION	NAME AND DATE	OFFICE	ACTION	NAME AND DATE
Range Div	CONCUR	Barb S. Tol 15 NOV 13			
Safety	Concur w/c	Edman 22 NOV 13			
DPTMS	CONCUR	RAMM 3 DEC 12			
G-3	CONCUR	LTC HILMS 3 DEC 12			
93X0	Concur	Waldrop 22 NOV 13			

STAFF REMARKS: (Command Group Use Only)	APPROVAL AUTHORITY
	APPROVED:
	DISAPPROVED:
	NOTED:



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

REPLY TO
ATTENTION OF

9 DEC 2013

ATAL-SBM-X

MEMORANDUM FOR Director, Plans, Training, Mobilization and Security, U.S. Army
Garrison, Fort Benning, Georgia 31905

SUBJECT: Range Safety Waiver for Phillips Range

1. References:

- a. AR 385-63, Range Safety, 30 Jan 12.
- b. DA PAM 385-63, Range Safety, 30 Jan 12.
- c. TRADOC Regulation 385-2, TRADOC Safety Program, 23 Jan 09.
- d. MCoE Regulation 350-19, Range and Terrain regulation, Mar 13.

2. Areas to be waived:

- a. Area #1 - The surface danger zone that encompasses each section of Phillips Range to include the Qualification Portion and the Action Pistol Team Portion and Parks Range.
(enclosure 1)
- b. Area #2 - The surface danger zone from various rifles that extends across Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation. (enclosure 2)
- c. The use of USAMU facilities by Military Disabled, Non-DoD Disabled Civilians or Paralympics Competitors during organized marksmanship events.

3. Controlling Factors:

- a. Area #1 - The muzzle of the weapon cannot be angled enough to place fire onto the Parks Range facility due to the overhang of the roofing. A dirt berm is in between Phillips and Parks Ranges which runs the length of the pistol range as well as trees and brush to absorb the impact of the rounds. There are also 8-10 ft concrete walls separating each section of Phillips Range, allowing for each individual area to be operated simultaneously.

ATAL-SBM-X

SUBJECT: Range Safety Waiver for Phillips Range

b. Area # 2 - Based upon the distance to Sunshine Road, as well as the low angles of elevation for firing, the probability of any rounds extending beyond Sunshine Road, the Chattahoochee River, and into the Alabama portion of the installation are miniscule.

c. Military Disabled, Non-DoD Disabled Civilians or Paralympics Competitors will be under the direct supervision of the caregiver, USAMU personnel or certified range safety personnel while maintaining a safe operation and orientation of the firearm.

4. Under the provisions and controlling factors mentioned above the following areas are waived: the surface danger zone that encompasses each section of Phillips Range including the Qualification Portion and the Action Pistol Team portion and Parks Range, allowing simultaneous training in each of the Phillips Range portions, the surface danger zone that extends across Sunshine Road, the Chattahoochee River, and into a small portion of the Alabama side of Fort Benning. Military Disabled, Non-DoD Disabled Civilians or Paralympic Competitors are approved to use USAMU facilities.

5. Risk management factors for this waiver are integrated in the unit's Risk Management Work Sheet. The residual risk level is marked MODERATE.

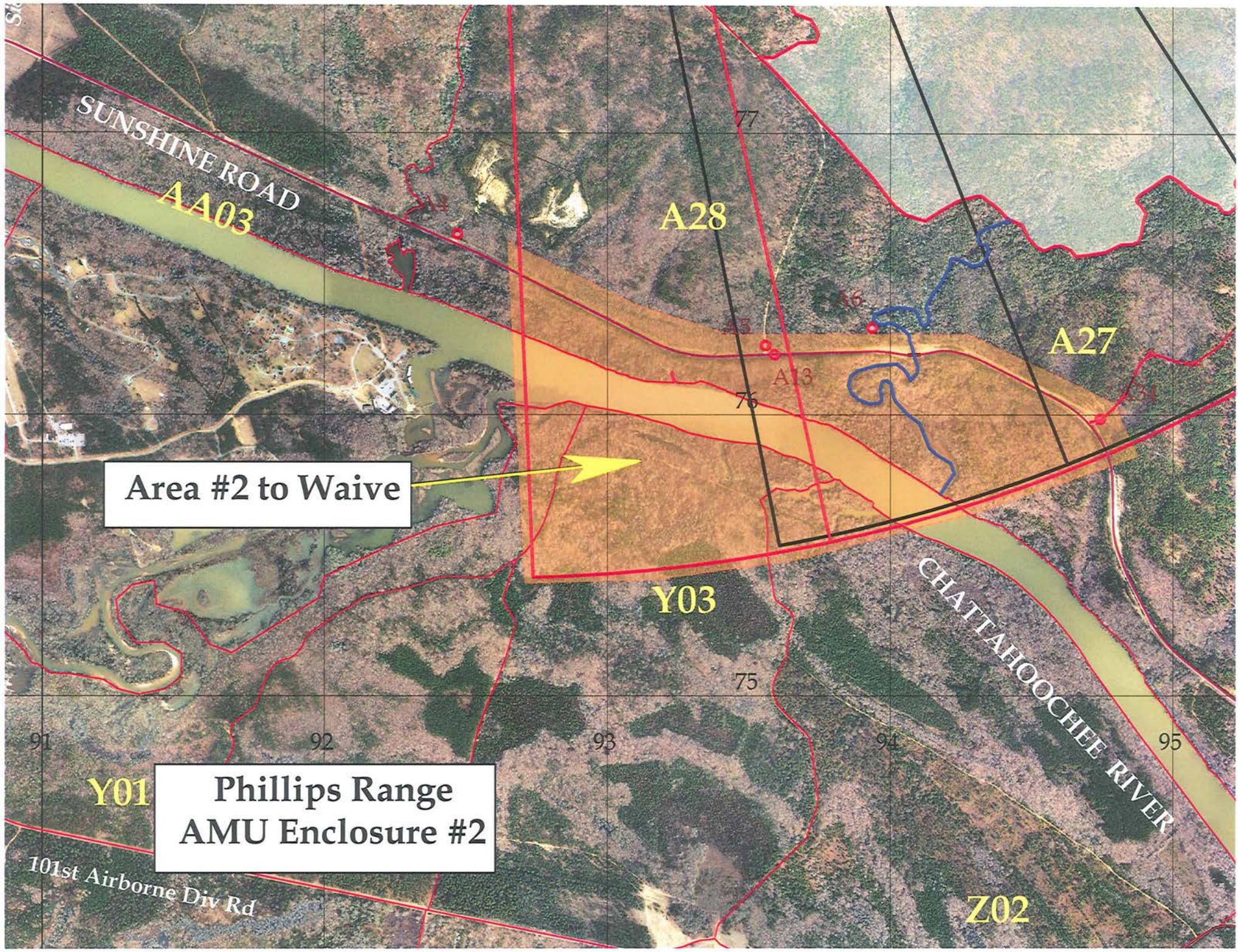
6. This waiver is valid for the period of one year (12 months) from the date of this memorandum when used in conjunction with live fire range scenario and risk management worksheet. In the event of an accident arising from the use of the waived condition, this waiver becomes invalid until reinstated by this headquarters.

7. The point of contact is Mr. Brad Tesch, Operations Officer, Range Division, Directorate of Plans, Training, Mobilization, and Security, 706-544-6385.



H. R. MCMASTER
Major General, USA
Commanding

2 Encls
as



SUNSHINE ROAD
AA03

A28

A27

Area #2 to Waive

Y03

CHATTAHOOCHEE RIVER

Y01

Phillips Range
AMU Enclosure #2

Z02

101st Airborne Div Rd

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK Marksmanship Training and Competition, Phillips Range	2a. DTG BEGIN 20130621	2b. DTG END 20140620	3. DATE PREPARED (YYYYMMDD) 20130516
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4. PREPARED BY		
a. LAST NAME Haidu	b. RANK SFC	c. POSITION USAMU PSG CFT - Pistol

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?
Conduct Small Arms Training, Matches, and Qualifications.	Personnel injury due to accidental discharge of a weapon.	M	Weapons only loaded and unloaded on the firing line. Shooters extensively trained in Weapons and Range Safety. Weapons maintained to high standards. Gunsmiths inspect all weapons.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications.	Personnel injury due to accidental discharge of a weapon.	M	Range Officer and Range Safety Officer must complete Range Safety Class. Combat Lifesaver and bag on range. Eye and Hearing protection available and must be worn.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications.	Personnel injury due to accidental discharge of a weapon.	M	Armed Forces Personnel, Civilians, VIP, and Junior Shooters will have Military supervision. Liability Form must be signed prior to shooting. Junior Shooter's consent signed by an adult.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications.	Unauthorized Personnel are downrange during firing	M	Range opened and closed with Range Control. Range flag and barricades in place during firing. Firing terminated during periods of limited visibility of 50 to 75 meters.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications.	Unauthorized Personnel are downrange during firing	M	Cease Fire implemented if authorized personnel observed down range. 100% monitoring of the Range Control Radio.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
Daily Risk Management Worksheet	General Range Hazards	M	OIC, RSO, and Safeties will brief on hazards listed on the Daily Risk Assessment Worksheet.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	

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 King	b. RANK LTC	c. DUTY POSITION USAMU Commander	d. SIGNATURE KING.DON.ALEX.JR.1026262889
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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?
Heat / Cold Awareness Foul Weather Lightning	Personnel Injury: Due to Extreme Heat and Foul Weather	M	All Soldiers are trained in Preventive Medicine. Training is halted during Foul Weather condition. Be aware of the current Heat Category. Replace fluids at the following rate:	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
			HEAT CAT 1 1/2 QT/HR HEAT CAT 2 1/2 QT/HR HEAT CAT 3 3/4 QT/HR HEAT CAT 4 3/4 QT/HR		IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
			HEAT CAT 5 1 QT/HR Water available from portable water cooler. Daily fluid intake will not exceed 12 QTS. Previous heat/cold injuries will be identified.		IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
		M	During cold weather all personnel will have adequate cold weather clothing available.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
	Insect Bites	M	Personal will be identified, as to being allergic to insect bites. These personnel will have their own kit on their person.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
		M	For those individuals not identified as being allergic and they suffer an insect bite reaction, 911 will be called for emergency assistance.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
Weapons Cleaning	Cleaning Solvents may ignite causing a fire.	M	All weapons cleaning performed in well ventilated area, no smoking in range facilities. No Smoking signs are posted within the range area.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
		M	Used cleaning solvents/materials properly stored/disposed of IAW HAZMAT Regulations, Fire Fighting equipment on hand and serviceable.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
Conduct Small Arms Training, Matches, and Qualifications	Bullet/Fragment/Steel Target injuries from Ricochet Area	M	Artificial barriers installed, dirt berms installed, fixed firing points, steel targets angled downward to control splatter. All shooters are highly trained.	L	IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	
			Shooters are briefed on the minimum safe distance from steel targets. All steel will be placed IAW the USAMU Steel SOP.		IAW: Phillips Range SOP USAMU SOP MCOE Reg 350-19 AR 385-63 DA Pam 385-63	Range NCOIC RSO, OIC Line Safety Combat Lifesaver	



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 8/19/2013

EMD Number: 1323109

Project#: Unknown

Project Title: USAMU Ranges and Training Areas

Description of proposed action:

Personnel will train and compete by firing live fire ammunition at ranges of 7-1000 yards into known and unknown distances into the impact areas.

Project Location:

Easley, McAndrews, Shelton, Phillips, Parks, Hook Range Complex, Pool Range Complex, Maertens, Krilling, Wagner, Malone 5, Malone 12, Malone 18

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

200

Type of Ammunition:

.22-.50 CAL Live

Number/Types of Trees:

None

Size of Project Area:

Duration of Action: Start: 10/1/2013

Stop: 9/30/2014

Proponent: Michael Buss

545-7174

Organization/Unit: USAMU

Number/Types of Vehicles:

Number of vehicles: 100

Types of vehicles: GOV/POV

Yes-Vehicles will be going off road.

What type of vehicles will be going off road: ALL

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DECISION: Concur with conditions

This Action is adequately covered in the Existing EA titled: 'Ongoing Mission and siting Activities, USAIC, FT. Benning, GA.'

(NA): Training involving LIVE FIRE and tracked vehicles has NO CATEX -- "Ongoing Mission and Siting Activities, USAIC, Ft. Benning, GA."

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REC APPROVED THROUGH 30 SEPTEMBER, 2014

Noise

Conditions:

Ellis Leeder (706 545 2400), 8/20/2013

This is training operations request for training. If there is any operational noise complaints received, the Environmental Management Division Installation Operational Noise Monitoring Program (IONMP) and or Public Affairs Office (PAO) programs will investigate and then recommending operational noise mitigation actions to the appropriate personnel for the training actions. In accordance with the Army's policy on environmental noise management, all efforts shall be made to minimize noise annoyances to the highest extent practicable with training operations without interfering with the proposed missions. Please follow the fly friendly program avoiding noise abatement areas. Please follow good smoke management practices not allowing smoke or dust to travel off Installation boundary into public areas or roads. Please increase distance between vehicles when dust conditions are extreme, see Table 5-3. CS gas use should be utilized in designated areas only, contact Range Control for a listing of approved CS gas sites. Please visit the Range Operations website to obtain a list of approved weapons per Range or Firing Points. . Leave the training areas, firing range, latrines in a clean condition; contact Range Operations if unclean conditions are found or clean up costs or cleaning endeavors by proponent could occur to last user. If any assistance or a copy of MCoE Regulation 350-19 or the IONMP noise plan is needed for review, please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.p.leeder.civ@mail.mil or visit the Range Control Website for the updated version of MCoE Regulation 350-19, range guidance and other materials for your range packet. This 144r must be present at the training site when occupying compartment or ranges.

EMD Number: 1323109

IJO#

Project Title: USAMU Ranges and Training Areas

Hazardous Materials/Waste

Conditions:

Ted Williams (706 545 7579), 8/19/2013

Ensure personnel know the correct procedure for handling misfires at the range:

1. Closed containers (ammunition can marked 'MISFIRES") will be used for the collection of misfires at each firing range.

- The MISFIRE container will stay closed except to add or remove misfires.
- Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.

2. Ensure that all containers for collection of patches and swaps are kept closed unless weapons cleaning products are being added. Contact EPMB for detailed information on the proper disposal of waste products resulting from the training.

CWA - Training

Conditions:

Jessica Taylor (706 604 4572), 8/19/2013

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improperly disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX).

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Example Unit/Activity SOP for Training and Deployment) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/dischage -- notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained -- REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

Natural Resources - RCW

None

Michael Barron (706 544 7080), 8/19/2013

Signature John E Brown

John E Brown

NEPA Program Manager

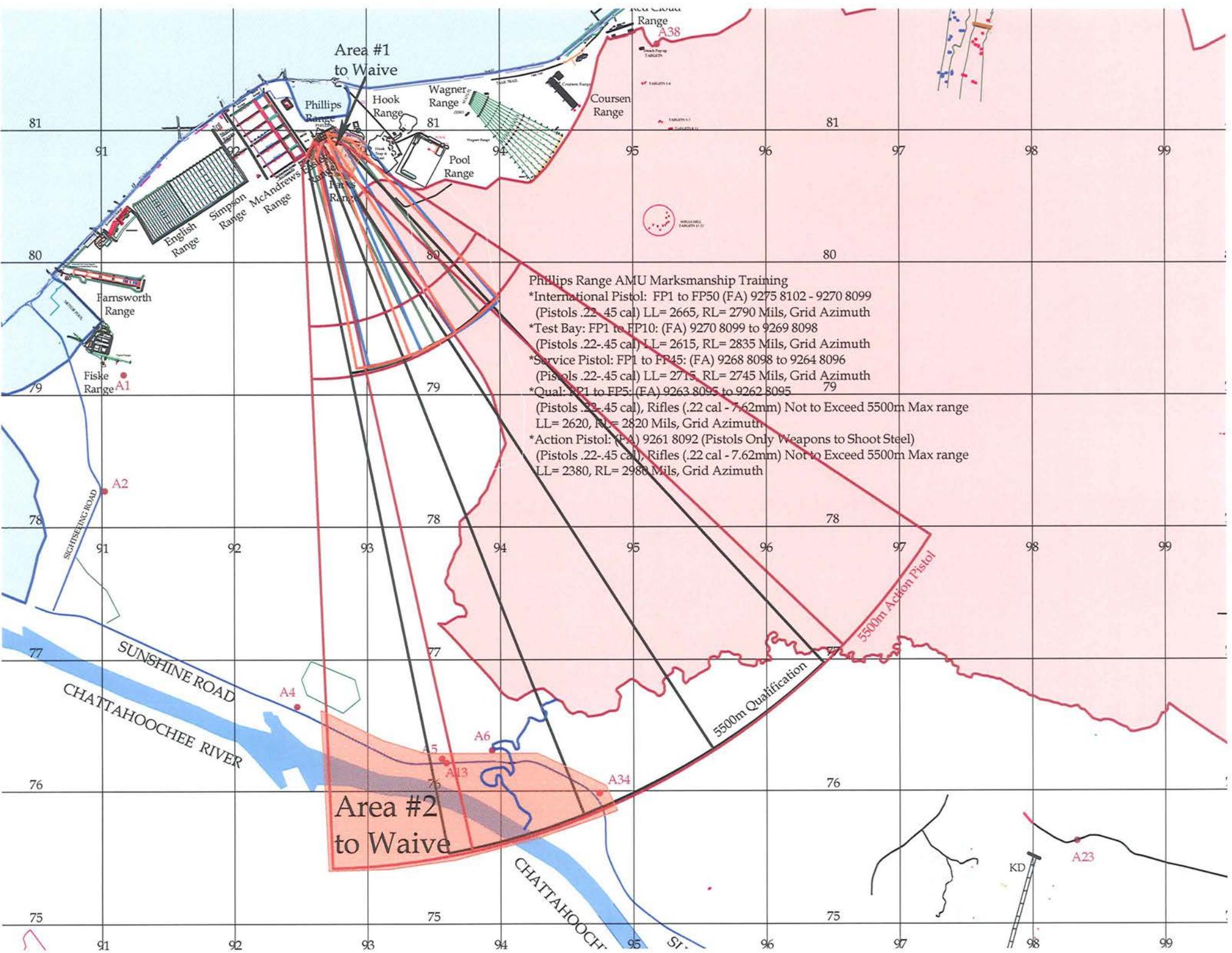
Date 20 AUG 2013

Signature Christopher E. Hamilton

Christopher E. Hamilton, PhD

EPMB Chief

Date 21 Aug 13



Area #1
to Waive

Area #2
to Waive

Phillips Range AMU Marksmanship Training
 *International Pistol: FP1 to FP50 (FA) 9275 8102 - 9270 8099
 (Pistols .22-.45 cal) LL= 2665, RL= 2790 Mils, Grid Azimuth
 *Test Bay: FP1 to FP10: (FA) 9270 8099 to 9269 8098
 (Pistols .22-.45 cal) LL= 2615, RL= 2835 Mils, Grid Azimuth
 *Service Pistol: FP1 to FP45: (FA) 9268 8098 to 9264 8096
 (Pistols .22-.45 cal) LL= 2715, RL= 2745 Mils, Grid Azimuth
 *Qual: FP1 to FP5: (FA) 9263 8095 to 9262 8095
 (Pistols .22-.45 cal), Rifles (.22 cal - 7.62mm) Not to Exceed 5500m Max range
 LL= 2620, RL= 2820 Mils, Grid Azimuth
 *Action Pistol: (FA) 9261 8092 (Pistols Only Weapons to Shoot Steel)
 (Pistols .22-.45 cal), Rifles (.22 cal - 7.62mm) Not to Exceed 5500m Max range
 LL= 2380, RL= 2980 Mils, Grid Azimuth

5500m Qualification

5500m Action Pistol

KD

A23

A4

A5

A13

A6

A34

SIGHTSEING ROAD

SUNSHINE ROAD

CHATTAHOOCHEE RIVER

CHATTAHOOCHEE RIVER

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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

20 November 2013

MEMORANDUM FOR Commander, USAMU, Attn: CPT Ryan Calhoon, Fort Benning, GA
31905

SUBJECT: USAMU Phillips Range Deviation and Safety Review

1. References.

- a. USAMU Phillips Range Waiver.
- b. Army Regulation 385-63, Range Safety, 19 May 2003
- c. Field Manual 5-19, Composite Risk Management, August 2006
- d. Army Regulation 190-11, Physical Security of Arms, Ammunition, and Explosives, 15 November 2006
- e. Army Regulation 385-10, The Army Safety Program, 24 August 2007
- f. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010
- g. Department of the Army Pamphlet 385-30, Mishap Risk Management, RAR 01 February 2010
- h. Department of the Army Pamphlet 385-64, Ammunition and Explosives Safety Standards, 24 May 2011
- i. MCoE Regulation 350-19, Range and Terrain Regulation, 23 July 2010

2. Document received on 19 November 2013.

3. Concur w/comment.

- RB* ✓ a. CRMW, Blocks 7 & 9, pg. 1. "Personnel injury due to accidental discharge of a weapon", recommend that you elevate the Initial and Residual risks to "HIGH" and "MODERATE". The introduction of a foreign object (72 – 250 grains) at supersonic speeds (1200 – 3900 fps) can be catastrophic to the human body.

ATZB-SO

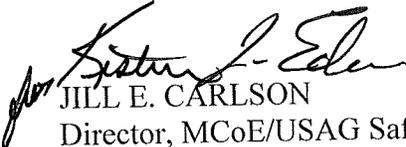
SUBJECT: USAMU Phillips Range Deviation and Safety Review

RW

✓ b. CRMW, Blocks 7 & 9, pg. 2. "Injury due to extreme Heat/Cold, Foul Weather Lightning", recommend that you elevate the Initial and Residual risks to "HIGH" and "MODERATE". Due to the geographic location of Fort Benning, humidity, and the number of heat illness we experience annually the risk should be elevated.

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

Encl


JILL E. CARLSON
Director, MCoE/USAG Safety