

3. DISCUSSION (Continued)

1. The missile proof shelters will be approximately 14 meters away from detonation sites.
 2. The minimum distance for non-bunker protected observers will be determined by using the appropriate Minimum Safe Distance (MSD) explosive charge calculation formula outlined in RTC 350-19.
 3. The Surface Danger Zone (SDZ) for the use of 12ga. breaching shotguns will be reduced from 380 meters to zero meters in side of bay #2 (shotgun firing point).
- d. If this waiver is granted then Booker Range Demolitions Pit will be suitable for realistic, effective combat training for the 75th Ranger Regiment.
- e. Risk Management factors were considered in the development of the Range Safety Waiver. The residual risk level is marked as Moderate, TAB-G.
- f. The above reference (TRADOC Regulation 385-2) delegated waiver authority to General Officers Commanding TRADOC installations to reduce dimensions of Surface Danger Zones when terrain, artificial barriers, other barriers or the controlling factors make smaller danger zones safe.
- g. Enclosures are as follows; FB Form 25-52-1-R-E TAB-A, CG Waiver Response TAB-B, Unit Waiver Request TAB-C, Range SDZ w/Waived Areas TAB-D, USAIS Form 350-19-1 TAB-E, Booker Range SOP TAB-F, Risk Management Worksheet TAB-G, Valid Environmental Form TAB-H.

Morse, Christopher M SSG USARMY MCOE (US)

From: Greenway, Douglas M CIV USARMY IMCOM ATLANTIC (US)
Sent: Tuesday, July 08, 2014 10:32 AM
To: Morse, Christopher M SSG USARMY MCOE (US); Flores, John T CIV (US); Hodge, Willie L CIV (US); Bolding, Benjamin T CIV (US)
Subject: Booker Breach Waiver (UNCLASSIFIED)
Signed By: douglas.greenway@us.army.mil

Classification: UNCLASSIFIED
Caveats: NONE

60 Day extension approved.

Douglas Greenway
Chief Range Division
10658 8th Division Road
BLDG 5512
Fort Benning 31905
Comm: 706-545-4619
DSN: 835-4619
Cell: 706-570-5660
douglas.m.greenway.civ@mail.mil

----- Original Message -----

From: Brown, Robert W ((Bob) Dir DPTMS USAG Ft Benning) CIV USARMY IMCOM ATLANTIC (US)
Sent: Wednesday, July 02, 2014 11:50 AM
To: Greenway, Douglas M CIV USARMY IMCOM ATLANTIC (US)
Subject: Re: Booker Breach Waiver (UNCLASSIFIED)

Approved.

R/ Bob Brown
Director DPTMS
Deputy Dir MCoE G-3
1 Karker St, Ste 4403
Fort Benning, GA 31905
(O) 706-545-2918
(M) 706-575-8197

This email sent by Blackberry Device.

----- Original Message -----

From: Greenway, Douglas M CIV USARMY IMCOM ATLANTIC (US)
Sent: Wednesday, July 02, 2014 09:22 AM
To: Brown, Robert W ((Bob) Dir DPTMS USAG Ft Benning) CIV USARMY IMCOM ATLANTIC (US)
Subject: Booker Breach Waiver (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Requesting 60 day extension on this one Bob.

Vr Doug

Douglas Greenway
Chief Range Division
10658 8th Division Road
BLDG 5512
Fort Benning 31905
Comm: 706-545-4619
DSN: 835-4619
Cell: 706-570-5660
douglas.m.greenway.civ@mail.mil

-----Original Message-----

From: Whitehead, Kenneth L CIV (US)
Sent: Wednesday, July 02, 2014 10:18 AM
To: Greenway, Douglas M CIV USARMY IMCOM ATLANTIC (US)
Subject: Booker Breach Waiver (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE
7602 CHESNEY STREET, C0001
FORT BENNING, GEORGIA 31905

AORG-ST

15 JUL 2013

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

SUBJECT: Range Safety Waiver for Booker Demolitions Pit, Booker Range Complex, 16S FA 9852 8279

1. REFERENCES:

- a. Army Regulation 385-63, Range Safety, 30 January 2012
- b. DA Pamphlet 385-63, Range Safety, 30 January 2012
- c. TRADOC Regulation 385-2, TRADOC Safety Program, 06 December 2011
- d. USASOC 385-1, Safety and Accident Prevention
- e. Regimental Training Circular (RTC) 350-19, 75th Ranger Regimental Breaching Guide

2. DISCUSSION: Booker Demolitions Range was initially designed for the limited use and instruction of demolitions charges. However, after being taken over by the 75th Ranger Regiment, Booker Demolitions Range has been used to train Rangers in the use of specialty demolitions charges as well as ballistic and mechanical breaching. Given the new demands on the range, it is necessary to waive existing range safety requirements, while still focusing on the mitigation of unnecessary risk, in order to provide realistic and combat-focused training for the 75th Ranger Regiment. Currently, the Booker Demolitions Range does not allow for: the simultaneous firing of frangible shotgun rounds in adjacent demolitions bays; exposed personnel actively participating in explosive entry to be within 300-meters of door-entry charge detonation; and for personnel in covered bunkers to be within 100-meters of the detonation of breaching charges.

3. AREAS TO BE WAIVED: While elements of the 75th Ranger Regiment are utilizing Booker Demolitions Pit, the following safety waivers are in effect (see attached graphic).

a. Area # 1 and # 2 - Reduce the Minimum Safe Distance (MSD) requirement of the 12ga shotgun frangible breaching round from 380-meters to 0 meters inside. Additionally, allow the simultaneous use of these bays for shotgun breach training.

b. Area # 2 – Reduce Minimum Safe Distance (MSD) requirement of 100-meters for personnel in missile proof bunker to 14-meters for explosive entry training.

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SUBJECT: Range Safety Waiver for Booker Demolitions Pit, Booker Range Complex, 16S FA 9852
8279

c. Area # 3 – Reduce the Minimum Safe Distance (MSD) outside the bunker for participating personnel from 300-meters down to no less than 6 feet and IAW the Regimental Training Circular 350-19 standards (for a max single charge = 1.5lbs of c4).

4. RISK MANAGEMENT CONTROL FACTORS:

a. Area # 1 and # 2:

(1) All targets will be at waist high level and below so as not to allow a projectile to go over the backstop berm. Each berm is approximately 50-60' wide, 8 feet high, drastically reducing the velocity and range of the frangible round and any thrown debris.

(2) All soldiers will wear all PPE to include ACH, ballistic eye protection, Level 3 body armor, hearing protection, and gloves while live fire training on the 12ga shotgun.

(3) Doors and locks will be engaged with the shotgun at a downward and inward angle that will reduce the chance of metal or wood fragments from being thrown. The frangible shotgun round is low-velocity and designed to immediately dissipate on contact in order to prevent the chances of ricochets in the direction of the breacher or nearby Rangers. The use of bullet traps on the other side of the doors being breached arrests the flight of most fragments as well as the frangible round itself.

(4) Training iterations will be started and stopped at the same time to ensure that Rangers are not leaving their respective areas of training during shotgun breaching. When breaching doors facing to the southeast, Rangers will not be allowed into the SDZ. The range OIC/RSO and the NCOIC will be responsible for monitoring all Rangers conducting training.

b. Area # 2:

(1) Prop sticks will not be utilized on any charges so as to minimize the missile hazard toward the bunkers.

(2) Bunkers will be inspected by the OIC/RSO prior to all training events to ensure safety standards are met.

(3) Soldiers will be under direct control/supervision of the OIC, RSO, and other demo qualified controller/trainers during all phases of breach training.

(4) Soldiers will be ordered into the bunkers and accounted for before breaching occurs.

(5) All demolition material will be accounted for and under direct control of demo qualified personnel at all times.

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SUBJECT: Range Safety Waiver for Booker Demolitions Pit, Booker Range Complex, 16S FA 9852
8279

(6) The maximum single blast will not exceed 1.5 lbs of C4.

(7) All personnel will remain inside the bunkers until the OIC/RSO checks for proper detonation and gives the "ALL CLEAR."

(8) Misfires will be handled by demo qualified personnel IAW the FBGA Range Control SOP for Booker Range.

(9) The material used in breaching will be wood and metal doors, windows, etc., with soft metal hardware.

(10) All Soldiers will wear all PPE to include ACH, ballistic eye protection, Level 3 body armor, hearing protection, and gloves while live explosive life fire is in progress.

(11) The Breach facility is made up of 3 separate bunkers and detonation points each separated by berms approximately 50-60' wide, 8 feet high.

(12) The walls of each bunker are made of reinforced concrete of the following thicknesses: front is 12", top and back are 6.5".

(13) There is a dirt berm in front of each bunker approximately 25-30' thick.

(14) Direction of blast is away from the bunker.

(15) Bunker also supported by a wing wall that extends 26 feet left and right of the bunker.

c. Area # 3:

(1) All training will adhere to the Regimental Training Circular 350-19 standard requiring 2 Rangers to calculate the Minimum Safe Distance, and verified by a qualified and current Ranger Master Breacher prior to any charge initiation. That standard is as follows: Net explosive weight in grains, cube rooted, and multiplied by the constant of 18 (unshielded) or 12 (with blast shield) and 300 (fragmentation distance).

(2) All personnel outside of blast bunkers will utilize blast shields during explosive breach iterations.

5. In accordance with the aforementioned references, it is requested that Areas 1, 2, and 3 be waived to meet the training requirements of the Selection and Training Company, Special Troops Battalion, 75th Ranger Regiment in order to provide the Ranger Regiment with fully trained and qualified breachers for the conduct of their special operation's mission.

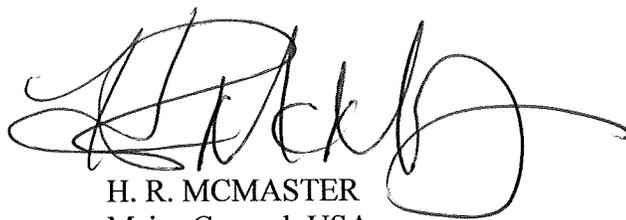
AORG-ST

SUBJECT: Range Safety Waiver for Booker Demolitions Pit, Booker Range Complex, 16S FA 9852
8279

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

7. This waiver is valid for the period of one year when used in conjunction with the standard range packet, including the live fire range scenario and risk management worksheet. In the event of an accident arising from the use of the waived condition, this waiver is invalid until reinstated by this headquarters.

8. The point of contact is Captain Camden Jordan, Assistant Operations Officer, Special Troops Battalion, 75th Ranger Regiment, at (706) 626-2764, or e-mail at camden.jordan@soc.mil

A handwritten signature in black ink, appearing to read 'H. R. McMaster', with a large, stylized flourish extending to the right.

H. R. MCMASTER
Major General, USA
Commanding



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

ATZB-SO

28 June 2013

MEMORANDUM FOR Commander, RSTB 75th Ranger Regiment, Attn: CPT Camden Jordan, Fort Benning, GA 31905

SUBJECT: 75th Ranger Regiment Booker Range Explosives Deviation Safety Review

1. References.

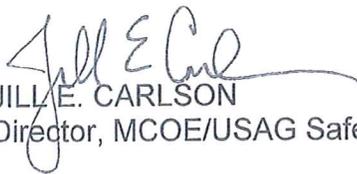
- a. 75th Ranger Regiment Waiver of Live Fire Exercise Safety Criteria for Booker Demolitions Pit for the 75th Ranger Regiment, April 26, 2012.
- b. Army Regulation 385-10, The Army Safety Program, 24 August 2007.
- c. Army Regulation 385-63, Range Safety, 30 January 2012.
- d. Department of the Army Pamphlet 40-501, Hearing Conservation Program, 10 December 1998.
- e. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010.
- f. Department of the Army Pamphlet 385-30, Mishap Risk Management, RAR 01 February 2010.
- g. Department of the Army Pamphlet 385-63, Range Safety, 30 January 2012
- h. Field Manual 5-19, Composite Risk Management, August 2006
- i. MCoE Regulation 350-19, Range and Terrain Regulation, 01 March 2013

2. Concur.

ATZB-SO

SUBJECT: 75th Ranger Regiment Booker Range Explosives Deviation Safety Review

3. 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


JILL E. CARLSON
Director, MCOE/USAG Safety

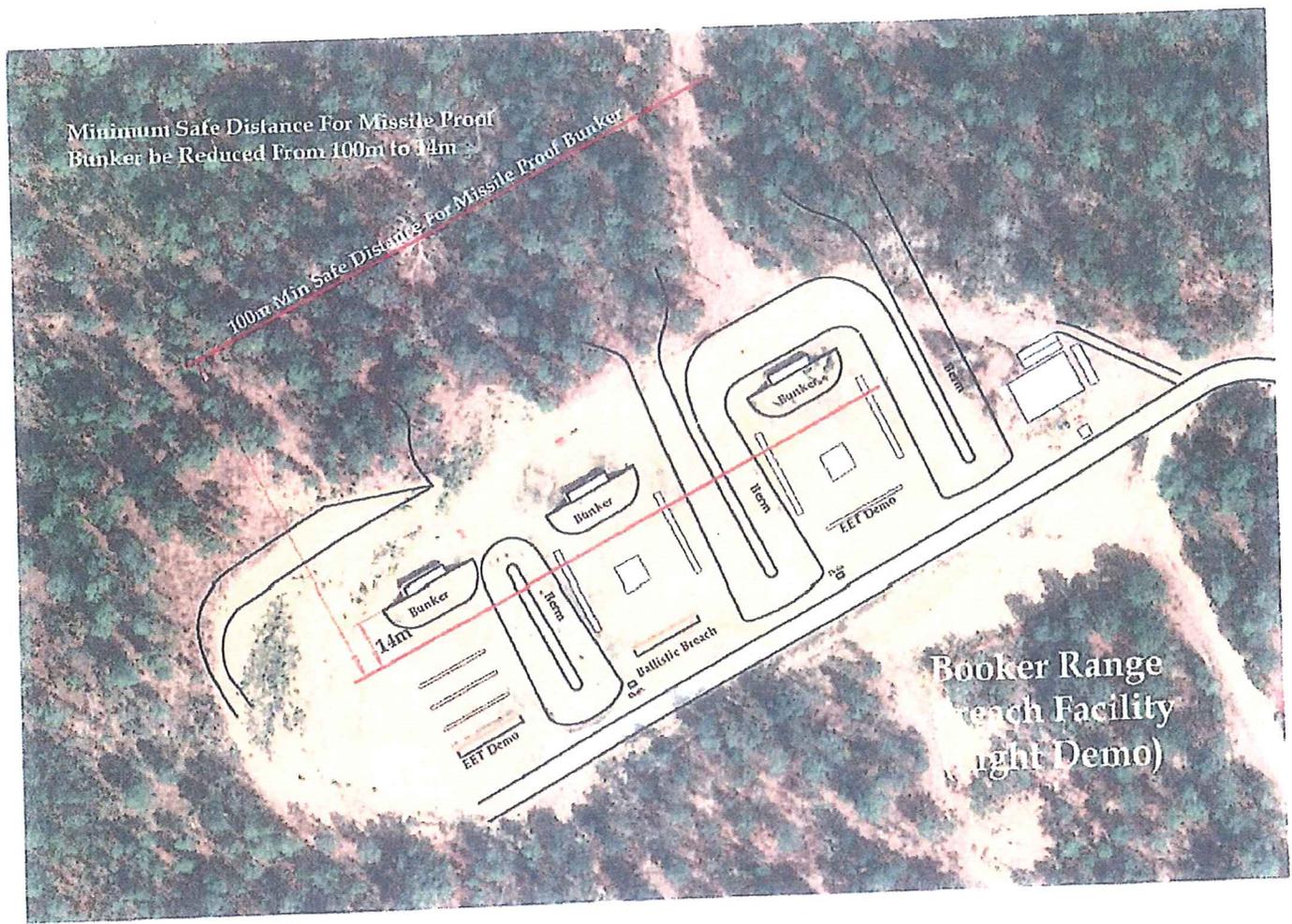
Area # 1



Area # 1

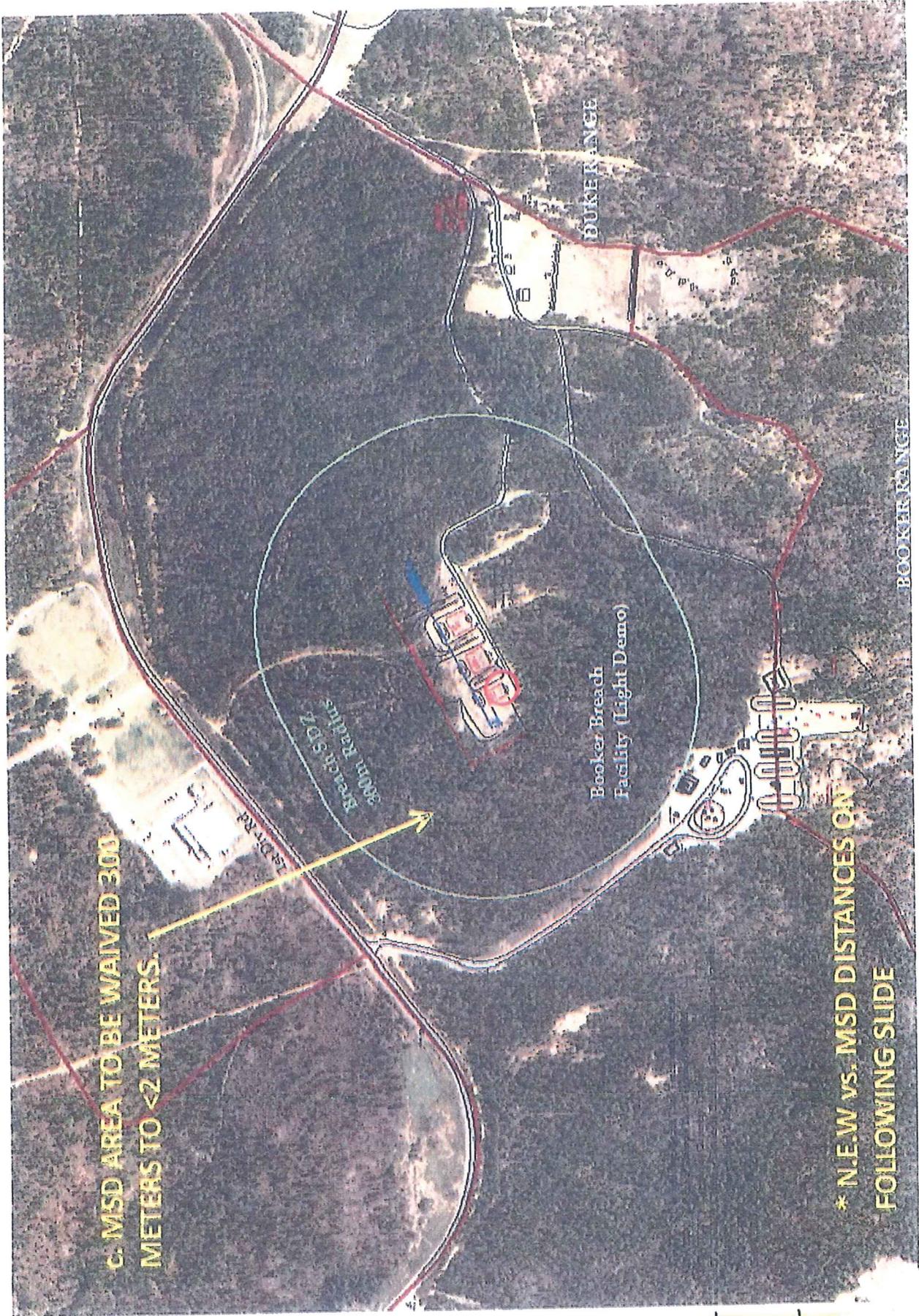
Minimum Safe Distance For Missile Proof
Bunker be Reduced From 100m to 14m

100m Min Safe Distance For Missile Proof Bunker



Booker Range
Test Facility
(Night Demo)

AREA # 2



C. MSD AREA TO BE WAIVED 300 METERS TO <2 METERS.

* N.E.W vs. MSD DISTANCES ON FOLLOWING SLIDE

Area #3



**Broker Range
Head Facility
(High Demo)**

Reduced Min Safe
Distance for Bunker 14m

Station 1

Station 2

Station 3

Station 6

Station 7

Station 5

Station 4

100m Min Safe Distance for Bunker

100M



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS, 75TH RANGER REGIMENT
6420 DAWSON LOOP
FORT BENNING, GEORGIA 31905

AORG-STB-CO

15 May 2013

MEMORANDUM FOR Commander, US ARMY MANEUVER CENTER OF EXCELLENCE, FORT BENNING, GA 31905

SUBJECT: Range Waiver for Booker Demolitions Pit, Booker Range Complex, 16S FA 9852 8279

1. REFERENCES:

- a. Army Regulation 385-63, Range Safety, 30 January 2012.
- b. DA Pamphlet 385-63, Range Safety, 30 January 2012.
- c. TRADOC Regulation 385-2, TRADOC Safety Program, 23 January 2009.
- d. USASOC 385-1, Safety and Accident Prevention
- e. Regimental Training Circular (RTC) 350-19, 75th Ranger Regimental Breaching Guide

2. DISCUSSION: Booker Demolitions Range was initially designed for the limited use and instruction of demolitions charges. However, after being taken over by the 75th Ranger Regiment, Booker Demolitions Range has been used to train Rangers in the use of specialty demolitions charges as well as ballistic and mechanical breaching. Given the new demands on the range, it is necessary to waive existing range safety requirements, while still focusing on the mitigation of unnecessary risk, in order to provide realistic and combat-focused training for the 75th Ranger Regiment. Currently, the Booker Demolitions Range does not allow for: the simultaneous firing of frangible shotgun rounds in adjacent demolitions bays; exposed personnel actively participating in explosive entry to be within 300-meters of door-entry charge detonation; and for personnel in covered bunkers to be within 100-meters of the detonation of breaching charges.

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- c. Area # 3 – Reduce the Minimum Safe Distance (MSD) outside the bunker for participating personnel from 300-meters down to no less than 6 feet and IAW the Regimental Training Circular 350-19 standards. (for a max single charge = 1.5lbs of c4)

AORG-RCO

SUBJECT: Range Waiver for Booker Demolitions Pit, Booker Range Complex, 16S FA 9852 8279

4. RISK MANAGEMENT CONTROL FACTORS:

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1) All targets will be at waist high level and below so as not to allow a projectile to go over the backstop berm. Each berm is approximately 50-60' wide, eight feet high, drastically reducing the velocity and range of the frangible round and any thrown debris.

2) All soldiers will wear all PPE to include ACH, ballistic eye protection, Level 3 body armor, hearing protection and gloves while live fire training on the 12ga shotgun.

b. Area #2

1) Prop sticks will not be utilized on any charges so as to minimize the missile hazard toward the bunkers.

2) Bunkers will be inspected by the OIC/RSO prior to all training events to ensure safety standards are met.

3) Soldiers will be under direct control/supervision of the OIC, RSO, and other demo qualified controller/trainers during all phases of breach training.

4) Soldiers will be ordered into the bunkers and accounted for before breaching occurs.

5) All demolition material will be accounted for and under direct control of demo qualified personnel at all times.

6) The maximum single blast will not exceed 1.5 lbs of C4.

7) All personnel will remain inside the bunkers until the OIC/RSO checks for proper detonation and gives the "ALL CLEAR".

8) Misfires will be handled by demo qualified personnel IAW the FBGA Range Control SOP for Booker Range.

9) The material used in breaching will be wood and metal doors, windows, etc., with soft metal hardware.

10) All soldiers will wear all PPE to include ACH, ballistic eye protection, Level 3 body armor, hearing protection and gloves while live explosive life fire is in progress.

11) The Breach facility is made up of three separate bunkers and detonation points each separated by berms approximately 50-60' wide, eight feet high.

AORG-RCO

SUBJECT: Range Waiver for Booker Demolitions Pit, Booker Range Complex, 16S FA 9852 8279

12) The walls of each bunker are made of reinforced concrete of the following thicknesses: front is 12", top and back are 6.5".

13) There is a dirt berm in front of each bunker approximately 25-30' thick.

14) Direction of blast is away from the bunker.

15) Bunker also supported by a wing wall that extends 26 feet left and right of the bunker.

c. Area #3

1) All training will adhere to the Regimental Training Circular 350-19 standard requiring two Rangers to calculate the Minimum Safe Distance, and verified by a qualified and current Ranger Master Breacher prior to any charge initiation. That standard is as follows: Net explosive weight in grains, cube rooted and multiplied by the constant of 18 (unshielded) or 12 (with blast shield) and 300 (fragmentation distance).

2) All personnel outside of blast bunkers will utilize blast shields during explosive breach iterations.

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

5. This waiver is valid for the period of one year when used in conjunction with the standard range packet, including the live fire range scenario and risk management worksheet. In the event of an accident arising from the use of the waived condition, this waiver is invalid until reinstated by this headquarters.

6. The point of contact for this memorandum is CPT Camden Jordan, Assistant Operations Officer, Special Troops Battalion, 75th Ranger Regiment at (706) 626-2764 or at camden.jordan@soc.mil.



JOSEPH A. RYAN
LTC, IN
Commanding

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK Booker Range Demo Pit, Ranger Assault Breacher Course(RABC)	2a. DTG BEGIN 18 May 2013	2b. DTG END 18 May 2014	3. DATE PREPARED (YYYYMMDD) 20130508
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4. PREPARED BY a. LAST NAME Christian, Brian		b. RANK SSG		c. POSITION RSTB Land NCO		9. RESIDUAL RISK LEVEL	10. HOW TO IMPLEMENT	11. HOW TO SUPERVISE (WHO)	12. WAS CONTROL EFFECTIVE?
5. SUBTASK ALL	6. HAZARDS Range/General Situational Awareness	7. INITIAL RISK LEVEL M	8. CONTROLS The Range Officer in Charge (OIC)/Safety Officer (RSO) will do the following: 1. Read and review the Risk Assessment. 2. Ensure Ranger medic with trauma kit and a dedicated evacuation vehicle with driver are available. Medic will be in communication with the RSO/NCOIC at all times. Daily water intake should not exceed 12 quarts. Cadre will constantly monitor soldiers. Evacuation will occur IAW TRADOC policy.	9. RESIDUAL RISK LEVEL L	10. HOW TO IMPLEMENT OIC/RSO follows instructions. Course instructors read and follow FBGA RC SOP	11. HOW TO SUPERVISE (WHO) OIC/RABC NCOIC	12. WAS CONTROL EFFECTIVE?		
	Heat Injury to Personnel	H		M	OIC/RSO follows instructions. Course instructors read and follow FBGA RC SOP	OIC/RABC NCOIC			
	Cold Weather Injury to Personnel	M	All Soldiers with previous cold injuries will be identified and closely monitored through the buddy system, unit leadership and instructors.	L	OIC/RSO follows instructions. Course instructors read and follow FBGA RC SOP	OIC/RABC NCOIC			
	Eye and Hearing Loss	M	Brief all Soldiers on the dangers of low hanging obstacles ballistic eye protection is worn by all Soldiers. Ensure Soldiers are wearing hearing protection, as appropriate.	L	OIC/RSO follows instructions. Course instructors read and enforce USASOC 385-1	OIC/RABC NCOIC			
	Soldier struck by lightning	M	Monitor radio net at all times for severe weather/lightning. Soldiers will evacuate areas containing television antennas, relay antennas or vehicles with whip antennas.	L	OIC/RSO follows instructions. Course instructors read and follow FBGA RC SOP	OIC/RABC NCOIC			

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

LOW
 MODERATE
 HIGH
 EXTREMELY HIGH

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

14. RISK DECISION AUTHORITY a. LAST NAME Ryan, Joseph A.	b. RANK LTC, IN
c. DUTY POSITION Battalion Commander	
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?
ALL (CONT)	Soldier struck by lightning, CONT.	M	Soldiers will not huddle together. Soldiers will squat or sit disbursed on the ground. Soldiers will not lie down. Soldiers will remove and place on the ground all metal objects.	L	OIC/RSO follows instructions. Course instructors read follow FBGA RC SOP	OIC/RABC NCOIC	
	Soldier bitten by snakes or insects	H	Range OIC or SO will inform Soldiers of the various types of wildlife that are hazardous and warn them not to handle or harass the wildlife during training.	L	OIC/RSO follows instructions. Brief Soldiers on site.	OIC/RABC NCOIC	
	Trips/falls	M	Range OIC or SO will brief Soldiers on tripping hazards such as rocks, branches, fallen trees and uneven ground.	L	OIC/RSO follows instructions. Course instructors read and enforce this RMWS while on site.	OIC/RABC NCOIC	
	Lost Soldier	M	Brief Soldiers on actions to take if lost or separated. Provide a situation report to the chain of command and Range Control. A thorough search of the area will be conducted.	L	OIC/RSO follows instructions. Course instructors read and follow FBGA RC SOP	OIC/RABC NCOIC	
	Road conditions	M	OIC/RSO will brief on road conditions and the possible effects on vehicles and operators.	L	OIC/RSO follows instructions. Course instructors read and enforce this RMWS while on site.	OIC/RABC NCOIC	
	Fire Hazard	H	Enforce the no smoking within 50 feet of the ammunition point. Ensure that there are two fire extinguishers at each active ammunition point, as well as the thermal cutting area.	L	OIC/RSO follows instructions. Course instructors read and follow Booker RG SOP	OIC/RABC NCOIC	
Construct and emplace door breaching charges	Fratricide/Accidental Initiation	H	A detailed safety brief will be given to all Rangers. All SOP's outlined in RTC 350-19 will be followed. All charge construction and MSD math will be closely supervised cadre.	M	OIC/RSO follows instructions. Course instructors read and enforce USASOC 385-1	OIC/RABC NCOIC	
			and verified by a qualified Master Breacher prior to charge initiation. All charges will be duel primed. All firing devices will be inspected prior to training event to ensure serviceability.				
	Physical Injury due to fragmentation	H	Rangers will wear gloves, Kevlar, Body Armor, as well as eye and ear protection during training event. Blast shield will be used for all Rangers in at the stack point. All Rangers	M	OIC/RSO follows instructions. Course instructors read and enforce USASOC 385-1	OIC/RABC NCOIC	
			not in the stack point will be behind cover no less than 15 meters away.				

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?
Construct and emplace door breaching charges	Low order event/ UXO situation	H	Only qualified Master Breacher personnel will investigate the charge. Procedures outlined in RTC 350-19 will be followed. EOD will be called if necessary, IA W Range SOP.	M	OIC/RSO follows instructions. Course instructors read and enforce Booker RG SOP	OIC/RABC NCOIC	
Breach a door using a shotgun	Personnel injury due to accidental discharge of a weapon.	H	All Rangers will be validated by no less than 5 iterations of dry fire by a qualified Master Breacher. Live ammunition will be loaded and unloaded only when facing the berm.	M	OIC/RSO follows instructions. Course instructors read and enforce this RMWS while on site.	OIC/RABC NCOIC	
Employ Exothermic cutting torch	Personnel injury due to severe burn	H	All Rangers will wear proper protective kit (heavy leather gloves, helmet, body armor, eye pro) while using torch. Master Breacher qualified NCO will closely monitor while torch is in use. All Rangers will be taught proper cutting technique prior to live cut.	M	OIC/RSO follows instructions. Course instructors read and enforce this RMWS while on site.	OIC/RABC NCOIC	
Employ Quick Cut Saw	Personnel injury due to cut or laceration from saw	H	All Rangers will wear proper protective kit (gloves, helmet, body armor, eye pro, ear pro) while using saw. Master Breacher qualified NCO will closely monitor while saw is in use. All Rangers will be taught proper cutting technique prior to live cut on targets.	M	OIC/RSO follows instructions. Course instructors read and enforce this RMWS while on site.	OIC/RABC NCOIC	
Employ Mechanical Breaching tools	Personnel injury due to cut or impact from a breaching tool	M	All Rangers will wear proper protective kit (gloves, helmet, body armor, eye pro, ear pro) while using mechanical breaching tools. Master Breacher qualified NCO will closely monitor while tools are in use. All Rangers will be taught proper technique prior to using tools on door targetry.	L	OIC/RSO follows instructions. Course instructors read and enforce this RMWS while on site.	OIC/RABC NCOIC	



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



Date Submitted: 8/31/2012

EMD Number: 1224405 **Project#:** M6854 **Project Title:** Special Demolitions and Booby Traps

Description of proposed action:

Unit will conduct basic advanced rifle marksmanship. No vehicles will travel off trails. Mout operations, urban breaching techniques and live fire shoot house.

Project Location:

Booker Range

Amount, Description, Location of Disturbance/Digging:

None

Number of Personnel:

approx. 200

Type of Ammunition:

M131,MN08,M456,MN11,M12,M13
,MN06,M6,70 Live

Number/Types of Trees:

None

Size of Project Area: 17.20Acres

Duration of Action: Start: 10/1/2012 Stop: 9/30/2013

Proponent: stacey.ballesteros 706-545-5677

Organization/Unit: Range Division

Number/Types of Vehicles:

Number of vehicles:varied

Types of vehicles:5Ton vehicles,HMMWV's,HMMWV trailer,GSA vehicles,2.5T truck,FLA,4X4 truck,S10,WAT,MTV's,M77A2

Yes-Vehicles will be going off road.

What type of vehicles will be going off road:

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."

REC APPROVED THROUGH 30 SEPTEMBER, 2013

Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 9/4/2012

See attached conditions. Note locations of red-cockaded woodpeckers (RCW) on attached maps. Training restrictions apply. Unit commanders must make sure that all troops know the locations of restricted areas and understand these training restrictions. This is imperative since night training may occur. Boundaries are often hard to see at night, but this is no excuse for violations to occur. Two hour time restriction is for 2 hours once every 24 hour period. Note where digging may not occur. All trenches, fighting positions, etc must be filled in prior to leaving an area. There must be no cutting down or intentional destruction of any pine trees throughout the requested area(s).

Noise

Conditions:

Ellis Leeder (706 545 2400), 8/31/2012

This is training operations that must be conducted. If there is any 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 no fly zones. 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 sites. 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

EMD Number: 1224405

IJO#

Project Title: Special Demolitions and Booby Traps

Hazardous Materials/Waste

Conditions:

Ted Williams (706 545 7579), 9/4/2012

1. Ensure personnel know the correct procedure for handling misfires at the range:
2. 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.

3. 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. Contact POC for questions or additional guidance

CWA - Training

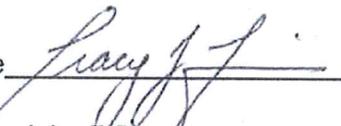
Conditions:

Leah Ropski (706 626 0492), 8/31/2012

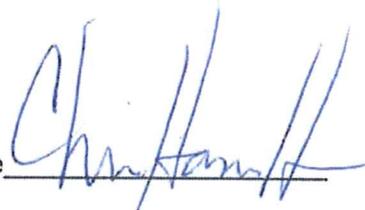
Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from 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/discharge -- 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.

Signature 
 for John E Brown
 NEPA Program Manager

Date 6 SEP 2012

Signature 
 Christopher E. Hamilton, PhD
 EPMB Chief
 Date 7 Sep 12