

FIRING/NONFIRING DATA

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

Chief,
Range Division,
Directorate of Plans, Training, Mobilization and Security
Fort Benning, GA 31905

Date: 12 March 2012 Log #3-7-12
Range: Griswold Range
Title: Sniper Live Fire Training / International Sniper Competitions
Problem No: WASN# 09, 12, 18, 19, 20, 45, 46.

THRU: S-3, 2/29th IN REGT
Fort Benning, GA. 31905

FROM: US ARMY SNIPER SCHOOL
Fort Benning, GA. 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: 9778 7465

SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS

Coordinates	Type	Model/DODAC	Size of Charges
N/A			

SECTION III, WEAPONS/AMMUNITION REQUESTED

Coordinates of Weapons Position	Type Weapon/Model Number	Type Ammunition	Left Limit	Right Limit
See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & Ammo List	See Weapons & 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 type="checkbox"/> Training area(s) to be occupied:
<input checked="" type="checkbox"/> Sketch of area:	<input type="checkbox"/> Scenario of training to be conducted:
<input checked="" type="checkbox"/> Risk Assessment:	<input type="checkbox"/> Sketch of area(s) to be occupied:
<input type="checkbox"/> Attach FB Form 350-19-2-E-R if Mortar or artillery is being fired:	<input type="checkbox"/> Risk Assessment:

Name/rank of requesting officer:
Hughes, Joel D., Civ, Operations, USASS

Name/rank of Major Unit S3/Commander:
Lowe, Melvin E., MAJ, IN

SECTION VI, FOR RANGE DIVISION USE

DATE: 2 July 12

TO: S-3, 2/29th IN REGT
Fort Benning, GA. 31905

FROM: Range Division,
Directorate of Plans, Training,
Mobilization and Security
Fort Benning, GA 31905

a. Roadblocks to be closed: A: 8, 18, 22, 23A, 24, 25, 26, 27, 30, 33A, 34.

b. Road(s) to be closed/road barrier locations:

c. Remarks:

d. This approval expires: *Inclaf*

Chief, Range Division
Directorate of Plans, Training, Mobilization and Security *Archibald Calder III*

Giswold Range Sniper School Sniper Training (Log #3-7-12) Weapons & Ammo List May 17, 12

Firing Positions	Weapons	Ammunition	Left Limit Mils, Grid Az	Right Limit Mils, Grid Az
Blank Fire Stalking Area Start: 9745 7370 to 9757 7368 to Stop: 9751 7444 to 9770 7442	M24, SR25, AR10, M14, M40A3, M110 M16/M4	7.62mm Blank 5.56mm Blank	N/A	N/A
KD Live Fire 9777 7467 to 9779 7466	M24, SR25, AR10, M14, M40A3, M110 M16/M4, M9 300 Win Mag, .338 Lapua	7.62mm M118 5.56mm Ball, 9mm Ball 300 Win Mag, .338 Lapua	6400 6400 6400	0325 0325 0325



DEPARTMENT OF THE ARMY
U.S. Army Sniper School
C COMPANY, 2nd BATTALION 29TH INFANTRY REGIMENT
197TH INFANTRY BRIGADE
FORT BENNING, GEORGIA 31905



REPLY TO
ATTENTION OF

ATSH-IN-C

21 July 2012

MEMORANDUM FOR: CHIEF, RANGE OPERATIONS, FORT BENNING, GA. 31905

SUBJECT: Griswold Range Sniper Live Fire

1. Reference: MCOE Regulation 350-1 Chapter 3
2. Purpose: The purpose of this training is to conduct live fire training in support of the Sniper School POI and Sniper School Competitions.
3. Range and terrain requirements: Griswold
4. Weapons and ammunition types:

a. M-24 SWS, M-14, SR-25, AR-10, M-40A3, M-110	AA11 7.62mm (M118 LR)
b. 300 Win Mag	A191 300 Win Mag
c. M4, M16A4, M16A2	AO59 5.56mm ball / tracer
d. 338 Win Mag & 338 Lapua	338 Win Mag & 338 Lapua
e. M9	9mm ball

5. Execution and concept of the operation:

KD Live Fire:

- a. This exercise will be coordinated by a command post (CP) located at grid coordinates FA 9778 7465. The live ammunition supply point, field ambulance, and transportation assets will be located 25 meters behind the CP as we occupy for control purposes.
- b. Sniper instructors/RSO/OIC will ensure that all students / competitors understand the limits of the range prior to engaging targets.
- c. Once the teams have received their safety briefing, they will move to their designated points and establish a position. Once positions have been established, one man from each team will draw ammunition from the ammo point.
- d. Once in position, the sniper will load his weapon.
- e. Sniper cadre/safety will designate the targets to be engaged and give the student / competitor a verbal command to fire when ready.
- f. All targets will be designated inside the appropriate range fan for each firing point.
- g. When shooting from a position, no one will be forward of that position.
- h. When the students/competitors are finished firing, prior to leaving, cadre will confirm weapons are cleared from the firing line and all the students/competitors will be inspected for ammunition prior to leaving the range.

6. Stalk Lane Execution and Concept:

- a. This exercise will be coordinated by a command post (CP) at grid coordinates FA 9778 7465. The blank ammunition supply point, field ambulance, and transportation assets will be located 25 meters behind the CP as we occupy for control purposes.
- b. Sniper instructors/RSO/OIC will ensure that all students / competitors understand the limits of the range prior to the exercise.
- c. The primary instructor will give the student / competitor and instructors a walk-through of the exercise. The instructor for each position will draw blank ammunition from the ammo point and secure the ammunition. The primary instructor will brief each instructor on their duties and responsibilities and the sequence of the course (Start 9745 7370 to 9757 7368, Stop 9751 7444 to 9770 7442).
- d. Once the teams have received their safety briefing, the student / competitor will place one weapon from each team next to the start line. The weapons will be cleared by cadre and the bolts handles will be up. The student / competitor will move to the designated starting point.
- e. There will be a total of 1 instructor per 4 students / competitors. The students / competitors will follow the instructions of all cadres at each firing point. The cadre will have full accountability and control of all students / competitors. The cadre will issue the student / competitor blank ammo at each firing point and the cadre will clear each student / competitor and weapons before they leave for the next firing point. Students / competitors will follow the instructions of all cadre and fire only in their designated firing lane.
- f. During the sniper competition, the same controls will be enforced as the Stalk Lane Execution. Competitors will be issued blank ammunition to conduct the stalk event and once they have engaged their target they will be cleared by the cadre and moved to the KD part of Griswold to conduct the live fire portion of the stalk lane event. The firing line and target positions will be the same as the KD live fire execution.

7. The following WASN #'s apply to Griswold Range day and night:

1. WASN 09: Stalk Live Fire Field Fire with M110/M24 SWS
2. WASN 18: Field Fire with M110/M24 Sniper Weapon System
3. WASN 19: Elevation and Windage Hold-off
4. WASN 20: Final Shot
5. WASN 12: Marksmanship (Practice Record Fire)
6. WASN 45: Marksmanship (Record Fire)
7. WASN 46: Alternate Firing Positions

8. SAFETY:

a. Controls:

1. Primary means of lifting fires will be a verbal command.
2. Sniper instructors/ safeties will be at each firing point.
3. Communication will be maintained at all times (with talk-about radios) while on the firing line.
4. 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

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SUBJECT: Griswold Range Sniper Live Fire

Range Control. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

5. Steel targets will be engaged in accordance with the current CG waiver.
6. 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.
7. When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:
 - a. Designation of unit.
 - b. Range and location
 - c. Type of weapon involved.
 - d. Type of ammunition involved.
 - e. Brief summary of what happened.
 - f. Personnel injuries and extent.
 - g. Full Name, SS#, Rank and unit of injured personnel.
 - h. Extent of property damage.
 - i. Intentions regarding an AR 15-6 investigation.

The RSO and OIC will brief the following safety notes to every student / competitor.

1. All students / competitors are safety officers. Anyone who observes an unsafe act will immediately call for a cease-fire and stop the exercise.
2. All weapons and munitions will be discharged down range and within the designated limits.
3. All weapons will be on safe unless actively engaging a target.
4. All students / competitors must practice muzzle awareness and point their weapons only at targets they intend to shoot.
5. All students / competitors will have their weapons cleared by an instructor before leaving the firing line.
6. No personnel will be permitted down range unless they have been cleared by the RSO and OIC of the range. RSO and OIC will obtain clearance from Range Control before allowing anyone to proceed downrange.

b. Medical:

1. Primary means of coverage will be on site CLS qualified instructor with CLS bag.
2. Primary means of evacuation is by a covered vehicle. The vehicle will be located at the CP to evacuate casualties who are not in danger of losing their life, limb or eyesight. PZ for the air medevac (FA 9778 7465) will be marked for use with a VS-17 panel. Range control and higher will be informed of any accidents or incidents.
3. 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

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SUBJECT: Griswold Range Sniper Live Fire

evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and USAIC 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. Range Control will be notified in this event. The cease fire will remain in effect until cleared through Range Control.

c. Ammunition:

1. An ASP will be established 25 meters behind the CP (KD Live Fire FA 9778 7465 and Stalk Lane Blank Fire FA 9778 7465) as we occupy. The ammo NCO (E-5 or above) will control the storage and distribution of all ammo and cadre will ensure students / competitors have the correct ammunition for their engagement. The sniper cadre will be responsible for the procurement of supplies (fire extinguisher, pallets, waterproofing, etc) and the establishment, maintenance and operation of the ASP. Students / competitors will only receive enough ammo for the live fire exercise. Upon completion of the exercise all brass will be returned to the ASP and the RSO/OIC will ensure that no one has brass residue or ammunition in their possession and a range clean up will be conducted prior departing the range.
9. The point of contact for this memorandum is Mr. Hughes, Sniper Operations, 544-6006.



ELIAS M. ISREAL
CPT, IN
COMMANDING



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
C COMPANY, 2ND BATTALION 29TH INFANTRY REGIMENT
197TH INFANTRY BRIGADE
BUILDING 74, 6650 WILKIN DRIVE
FORT BENNING, GEORGIA 31905-4420



ATSH-INB-C

22 July 2012

MEMORANDUM FOR RECORD

SUBJECT: Range Safety Officers

1. The following named individuals are assigned to C Co 2/29th IN Regt Sniper School and have attended the Ft. Benning Range Safety Class (RSO) and been certified to be RSO's or OIC's on Ft. Benning Ranges.

<u>NAME</u>	<u>RANK</u>	<u>DATE</u>	<u>EXPIRES</u>
Acevedo, Samuel	SSG	28 Oct 2010	28 Oct 2012
Balboa, Derek	SSG	24 Jan 2012	24 Jan 2014
Barrett, Zachary	SSG	09 Feb 2012	09 Feb 2014
Campbell, Dustin	SSG	25 Jan 2012	25 Jan 2014
Corter, Kevin	SSG	06 July 2011	06 July 2013
Crowder, Bryan	SGT	30 Jun 2010	30 Jun 2012
Erisman, Cameron	SSG	14 Oct 2011	14 Oct 2013
Espurvoa, Isaac	SSG	08 Jan 2011	0 8 Jan 2013
Fitzwater, Carl	SSG	22 Mar 2012	22 Mar 2014
Haiku, Brian	SSG	18 Jan 2011	18 Jan 2013
Haenel, Patrick	SSG	19 Nov 2011	19 Nov 2013
Hammond, Matthew	SSG	24 Jan 2012	24 Jan 2014
Holiday, Sean	SSG	28 Nov 2011	28 Nov 2013
Holmes, Jonathan	SGT	26 Jan 2011	26 Jan 2013
Jordan, Craig	SSG	17 Oct 2011	17 Oct 2013
Medley, Rodney	SFC	19 Apr 2012	19 Apr 2014
Peterson, Glenn	SSG	26 Oct 2010	26 Oct 2012
Pipkin, Johnel	SGT	28 Mar 2011	28 Mar 2013
Shepard, Ian	SSG	24 Jan 2012	24 Jan 2014
Torriero, Joseph	SFC	25 Feb 2012	25 Feb 2014
Vest, Richard	SFC	22 Jun 2011	22 Jun 2013

2. Point of Contact for this memorandum is Mr. Hughes, Operations Manager, USASS, at (706) 544-6006.

ELIAS M. ISREAL
CPT, IN
Commanding

Lumpkin Trail

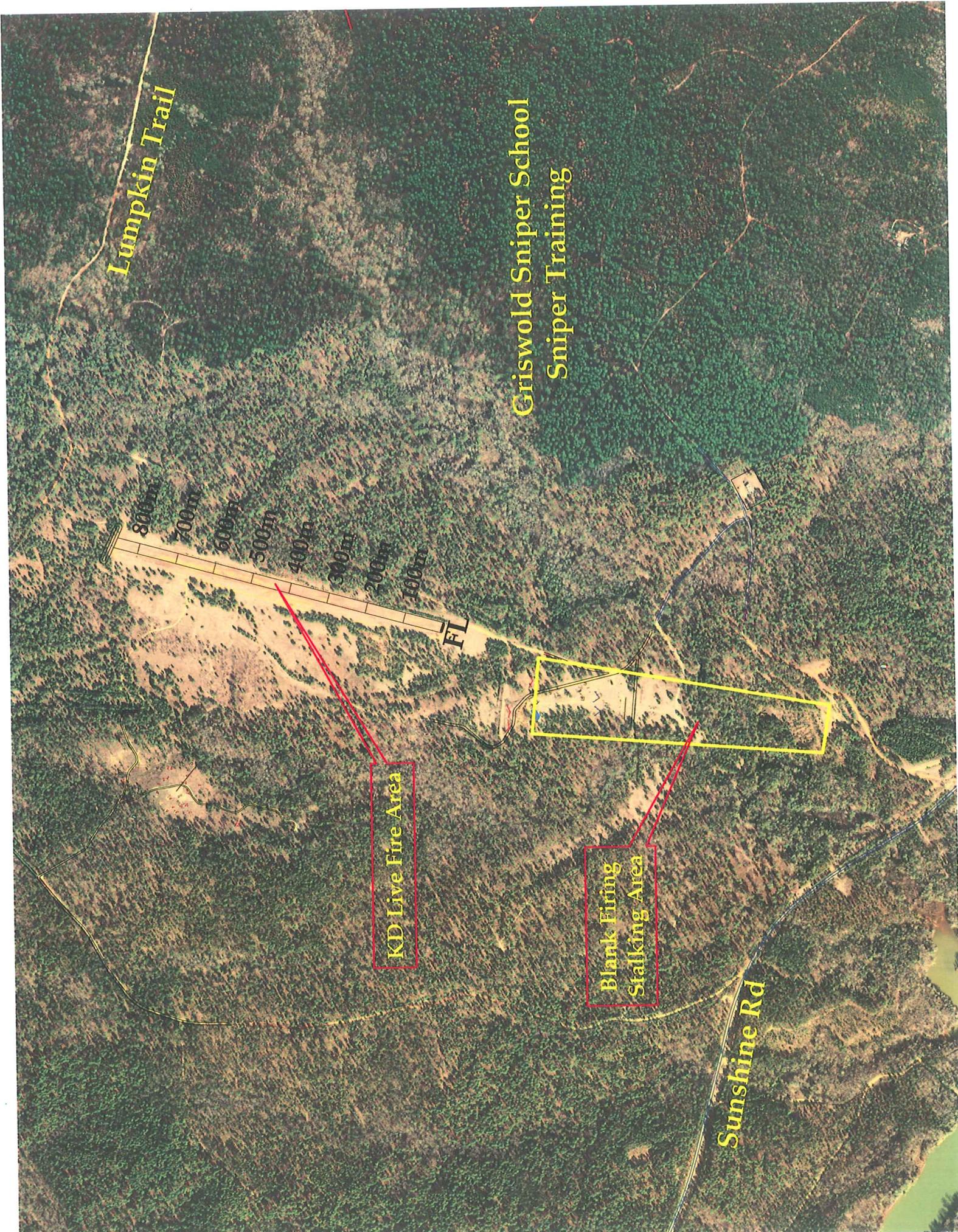
Griswold Sniper School Sniper Training



KD Live Fire Area

Blank Firing
Stalking Area

Sunshine Rd



Griswold Range Sniper School (Log #3-7-12) Roadblock List 17 May 2012

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

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

COMPOSITE RISK MANAGEMENT WORKSHEET

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

1. MSN/TASK: GRISWOLD RANGE: WASN # 09, 18, 19, 20, 46, Sniper Competition		2a. DTG BEGIN 29 JUNE 2012	2b. DTG END 29 JUNE 2013	3. DATE PREPARED (YYYYMMDD) 2012/06/29
4. PREPARED BY				
a. LAST NAME Mr. Hughes		c. POSITION Operations Manager (Sniper School)		
b. RANK CIV		9. RESIDUAL RISK LEVEL Moderate		
7. INITIAL RISK LEVEL High		8. CONTROLS THE RANGE OFFICER IN CHARGE (OIC) / RANGE SAFETY OFFICER (RSO) WILL DO THE FOLLOWING: 1. READ AND REVIEW THE RISK ASSESSMENT. 2. ENSURE CADRE COMBAT LIFESAVERS AND A DEDICATED EVACUATION VEHICLE ARE AVAILABLE. INVENTORY THE COMBAT LIFESAVER'S FIRST AID BAG OF THE TRAINING UNIT. CONSULT WITH TRAINING COMPANY CADRE TO IDENTIFY PROBLEM SOLDIERS (SUICIDAL OR HOMICIDAL INTENT OR GESTURES, OR DEMONSTRATION OF SERIOUS EMOTIONAL PROBLEMS). EXCLUDE OR INDIVIDUALLY SUPERVISE HIGH RISK SOLDIERS. 3. IDENTIFY SOLDIERS WITH MEDICAL PROBLEMS HAVING THE POTENTIAL TO IMPACT TRAINING TO INCLUDE MINOR ILLNESSES, ALLERGIES, PREVIOUS HEAT AND/OR COLD WEATHER INJURIES, OR ENVIRONMENTAL SENSITIVITIES.		
6. HAZARDS 1(A). Range/General Situational Awareness		10. HOW TO IMPLEMENT 1. IAW MCoE Range and Terrain Regulation 350-19 2. IAW FM 5-19, Risk MGT for Operations and Training 3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat 4. 2/29 IN Regt policies on range Operations 5. Range safety brief to leaders		
5. SUBTASK (STALK LIVE FIRE) (UNKNOWN DISTANCE FIELD FIRE) (UNKNOWN DISTANCE QUALIFICATION) (FINAL SHOT) (ALTERNATE FIRING POSITIONS) (SNIPER COMPETITION)		11. HOW TO SUPERVISE (WHO) OIC / RSO (SEE ATTACHED MEMO)		
		12. WAS CONTROL EFFEC-TIVE?		
Additional space for entries in Items 5 through 11 is provided on Page 2.				
13. OVERALL RISK LEVEL AFTER CONTROLS ARE IMPLEMENTED (Check one)				
<input type="checkbox"/> LOW <input checked="" type="checkbox"/> MODERATE <input type="checkbox"/> HIGH <input type="checkbox"/> EXTREMELY HIGH				
14. RISK DECISION AUTHORITY				
a. LAST NAME JENNINGS, DARREN K.		b. RANK LTC		
		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?
<p>(STALK LIVE FIRE) (UNKNOWN DISTANCE FIELD FIRE) (UNKNOWN DISTANCE QUALIFICATION) (FINAL SHOT) (ALTERNATE FIRING POSITIONS) (SNIPER COMPETITION)</p>	<p>1(B). ACCIDENTAL / NEGLIGENT DISCHARGE 2. FRATRICIDE</p>	<p>High High</p>	<p>4. REVIEW EVACUATION PROCEDURES AND REPORTING PROCEDURES FOR SERIOUS INCIDENTS. PLAN TO EVACUATE SOLDIERS WITH ALLERGIC REACTIONS. ANYONE WITHIN 25 METERS OF LIGHTNING STRIKES, COLD WEATHER/HEAT INJURIES, SNAKEBITE, OR ANYONE SHOWING SYMPTOMS BEYOND THE RANGE OIC'S EXPERIENCE AND THE COMBAT LIFESAVER'S ABILITY TO TREAT. THE OIC/RSO WILL DIRECT AN AIR MEDEVAC WHEN THE DANGER OF LOSS OF LIFE, LIMB, OR EYESIGHT EXISTS.</p> <p>1. EVENT OIC/NCO WILL GIVE A SAFETY BRIEFING. 2. THE EVENT OIC / RSO WILL ENSURE THAT ALL WEAPONS ARE CLEARED PRIOR TO LEAVING THE RANGE. 3. EVENT OIC WILL INSURE THAT QUALIFIED COMBAT LIFESAVERS ARE ON SITE.</p> <p>1. SNIPER INSTRUCTORS WILL INSURE THAT SOLDIERS ARE TEAMED IN PAIRS TO DOUBLE CHECK ALL SAFETY PROCEDURES.</p>	<p>Moderate Moderate</p>	<p>1. IAW MCoE Range and Terrain Regulation 350-19 2. IAW FM 5-19, Risk MGT for Operations and Training 3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat 4. 2/29 IN Regt policies on range Operations 5. Range safety brief to leaders</p>	<p>INDIVIDUAL, OIC / RSO (SEE ATTACHED MEMO) SHOOTER / INDIVIDUAL, SPOTTER, OIC / RSO (SEE ATTACHED MEMO)</p>	

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?
<p>(STALK LIVE FIRE) (UNKNOWN DISTANCE FIELD FIRE) (UNKNOWN DISTANCE QUALIFICATION) (FINAL SHOT) (ALTERNATE FIRING POSITIONS) (SNIPER COMPETITION)</p>	<p>3. HEARING LOSS 4. HOT WEATHER INJURIES</p>	<p>Moderate High</p>	<p>1. EVENT OIC/NCO WILL ENSURE THAT A SAFETY BRIEFING IS GIVEN AND HEARING PROTECTION IS AVAILABLE AND USED. 1. EVENT OIC AND EVENT SAFETY NCO'S WILL MONITOR THE TEMPERATURE AND SOLDIERS' CONDITION THROUGHOUT TRAINING. 2. THE EVENT OIC WILL MAKE SURE THAT FLUIDS (ELECTROLITE TYPE) ARE CONSUMED AT REST BREAKS AND AS NEEDED. 3. EVENT OIC WILL DIRECT UNIFORM MODIFICATIONS AS NEEDED. 4. EVENT OIC WILL FOLLOW FB FORM 7 TO CONDUCT TRAINING IN HEAT CATEGORY 2 THROUGH 5. 5. SNIPER SCHOOL INSTRUCTORS WILL CONDUCT MAN DOWN REHEARSAL DRILLS USING ICE SHEETS ONCE A MONTH DURING THE SUMMER MONTHS. 6. SNIPER SCHOOL INSTRUCTORS WILL IDENTIFY PERSONNEL WITH PREVIOUS HEAT INJURIES PRIOR TO THE START OF TRAINING. 7. RANGE OIC / RSO WILL MONITOR AND RECORD HEAT CATS WITH WETBULB / KESTRAL DEVICE AND GET HOURLY UPDATES FROM RANGE CONTROL.</p>	<p>Low Moderate</p>	<p>1. IAW MCoE Range and Terrain Regulation 350-19 2. IAW FM 5-19, Risk MGT for Operations and Training 3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat 4. TRADOC REG 350-29, prevention of heat and cold casualties 5. USAIC REG 40-14, prevention of heat injury 6. USAIC Policy Memo 350-6-2, standardized marking of soldiers at risk 7. 2/29 IN Regt policies on range Operations 8. Range safety brief to leaders</p>	<p>BUDDY TEAM, INDIVIDUAL, OIC / RSO (SEE ATTACHED MEMO) BUDDY TEAM, INDIVIDUAL, OIC / RSO (SEE ATTACHED MEMO)</p>	

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 (WHC)	12. WAS CONTROL EFFECTIVE?
<p>(STALK LIVE FIRE) (UNKNOWN DISTANCE FIELD FIRE) (UNKNOWN DISTANCE QUALIFICATION) (FINAL SHOT) (ALTERNATE FIRING POSITIONS) (SNIPER COMPETITION)</p>	<p>5. COLD WEATHER INJURIES</p>	<p>Moderate</p>	<p>1. THE EVENT OIC WILL MONITOR THE TEMPERATURE AND SOLDIERS' CONDITION THROUGHOUT EVENT. 2. EVENT OIC WILL ENSURE THAT FLUIDS (HOT) ARE CONSUMED AT REST BREAKS AND AS NEEDED. 3. BURN BARRELS WILL BE USED AS NEEDED. 4. EVENT OIC WILL FOLLOW FB FORM 42 TO CONDUCT TRAINING AT TEMPERATURES AT 50F AND BELOW. 5. SNIPER INSTRUCTORS WILL IDENTIFY PERSONNEL WITH PREVIOUS COLD WEATHER INJURIES PRIOR TO THE START OF THE EVENT.</p>	<p>Low</p>	<p>1. IAW MCoE Range and Terrain Regulation 350-19 2. IAW FM 5-19, Risk MGT for Operations and Training 3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat 4. TRADOC REG 350-29, prevention of heat and cold casualties</p>	<p>BUDDY TEAM, INDIVIDUAL, OIC / RSO (SEE ATTACHED MEMO)</p>	
<p>(STALK LIVE FIRE) (UNKNOWN DISTANCE FIELD FIRE) (UNKNOWN DISTANCE QUALIFICATION) (FINAL SHOT) (ALTERNATE FIRING POSITIONS) (SNIPER COMPETITION)</p>	<p>6. ANIMAL/ INSECT BITES</p>	<p>Moderate</p>	<p>1. SNIPER INSTRUCTORS WILL IDENTIFY TEAMS WITH ALLERGIES PRIOR TO THE START OF THE EVENT. 2. EVENT OIC WILL GIVE A SAFETY BRIEFING WHICH IDENTIFIES POSSIBLE ANIMAL / WILDLIFE DANGERS.</p>	<p>Low</p>	<p>5. MCoE Policy Memo 350-6-6, standardized marking of soldiers at risk 6. 2/29 IN Regt policies on range Operations 7. Range safety brief to leaders</p>	<p>INDIVIDUAL, OIC / RSO (SEE ATTACHED MEMO)</p>	

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?
<p>(STALK LIVE FIRE) (UNKNOWN DISTANCE FIELD FIRE) (UNKNOWN DISTANCE QUALIFICATION) (FINAL SHOT) (ALTERNATE FIRING POSITIONS) (SNIPER COMPETITION)</p>	<p>7. SEVERE WEATHER INJURIES (LIGHTNING/TORNADO)</p>	<p>Moderate</p>	<p>1. EVENT OIC WILL GIVE A DETAILED SAFETY BRIEFING ON SEVERE WEATHER PROCEDURES IN THE AM AND PM AFTER CONTACTING THE WEATHER OBSERVERS AT LAWSON ARMY AIRFIELD. 2. ALL SAFETY PERSONAL WILL DRILL WEATHER EVACUATION AND MEDICAL PROCEDURES QUARTERLY. 3. EVENT OIC WILL ENSURE THAT COMBAT LIFESAVER WITH KIT AND COMMO ARE PRESENT PRIOR TO THE START OF THE EVENT. 4. EVENT OIC WILL IDENTIFY SEVERE WEATHER-SAFE AREAS DURING SAFETY BRIEFING. 5. ALL TRAINING WILL CEASE UPON RECEIPT OF SEVERE WEATHER FROM RANGE CONTROL OR IF LIGHTING CAN BE SEEN WITHIN 5 NAUTICAL MILES. 1. AMMO NCO WILL ENSURE THERE IS NO SMOKING OR FLAMMABLES WITHIN 60 FEET OF THE AMMO POINT. 2. AMMO NCO WILL ENSURE THAT 2 10LB ABC FIRE EXTINGUISHERS ARE AVAILABLE.</p>	<p>Low</p>	<p>1. IAW MCoE Range and Terrain Regulation 350-19 2. IAW FM 5-19, Risk MGT for Operations and Training 3. IAW AR 385-63, policies and procedures for Firing Ammunition for Training, Target Practice, and Combat 4. 2/29 IN Regt policies on range Operations. 5. Range safety brief to leaders</p>	<p>OIC / RSO (SEE ATTACHED MEMO)</p>	
<p>(STALK LIVE FIRE) (UNKNOWN DISTANCE FIELD FIRE) (UNKNOWN DISTANCE QUALIFICATION) (FINAL SHOT) (ALTERNATE FIRING POSITIONS) (SNIPER COMPETITION)</p>	<p>8. FIRE</p>	<p>High</p>		<p>Moderate</p>		<p>OIC / RSO (SEE ATTACHED MEMO)</p>	

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?
<p>(STALK LIVE FIRE) (UNKNOWN DISTANCE FIELD FIRE) (UNKNOWN DISTANCE QUALIFICATION) (FINAL SHOT) (ALTERNATE FIRING POSITIONS) (SNIPER COMPETITION)</p>	<p>9. Ricochet</p>	<p>High</p>	<p>Lanes will be checked for ricochet hazards before training, and all snipers will be briefed on hazards during the safety brief by the OIC/RSO. The OIC/RSO will attempt to clear hazards prior to training and if the hazard can not be cleared then that lane or lanes will not be used. Snipers will cease-fire if aircraft enter zone and will be briefed only to fire at targets in their lane and not to fire at anything that may deflect the trajectory of the round. Ear and eye protection will be worn at all times while in the pit area and all commands will be given by the target pit NCOIC / Sniper Instructor. While in the pit area, all snipers to include sniper instructors will remain as close to the target pit wall as possible for protection while live firing is being conducted. Radio communications with the target pit and the firing line will be established prior to conducting live fire and will be maintained at all times.</p>	<p>Moderate</p>	<p>1. IAW MCoE Range and Terrain Regulation 350-19 2. IAW FM 5-19, Risk MGT for Operations and Training 3. IAW AR 385-63, policies and procedures for Firing, Ammunition for Training, Target Practice, and Combat 4. 2/29 IN Regt policies on range Operations 5. Range safety brief to leaders</p>	<p>OIC / RSO (SEE ATTACHED MEMO)</p>	



IMCOM
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RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



EMD Number: 1123502 Project#: Unknown Project Title: SNIPER TRAINING

Description of proposed action:

During this block of instruction, students will familiarize and qualify with various sniper rifles. Each student will fire approximately 50 to 75 rounds of ammunition.

Project Location:

Burroughs, Maertens, Coolidge Left, Buchanan, Griswold, Galloway, Ruth

Amount, Description, Location of Disturbance/Digging:

N/A

Number/Types of Vehicles:

2ea-2-1/2 ton (TMP), 2ea-1-1/2 ton (TMP)

Number of Personnel:

approx 40 pax per class

Type of Ammunition:

5.56mm, 7.62mm, .50 cal, 9mm Live and Blank

Number/Types of Trees:

N/A

Size of Project Area:

Duration of Action: Start: 10/1/2011 Stop: 9/30/2012

Proponent: joel.hughes1 (706) 544-6006

Organization/Unit: US ARMY SNIPER SCHOOL, C CO 2/29TH IN REGT

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, 2012

Natural Resources - RCW

Conditions:

Michael Barron (706 544 7080), 8/25/2011

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).

Concur with conditions. See attached conditions. Note locations of red-cockaded woodpeckers 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). Units may fire on existing ranges but must make every effort to contain their firing to the established range footprints. Targets may not be moved from their current positions nor may new targets be established without approval via a separate IADR and a site visit with this office.

EMD Number: 1123502

IJO# Unknown

Project Title: SNIPER TRAINING

GWA - Training

Conditions:

Jesse Taylor (706 545 0276), 9/2/2011

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 improper 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 (Figure 6.9.1) 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.

SPECIAL NOTE: See 2010 ASP SOP Training and Deployment.doc for further training requirements.

Hazardous Materials/Waste

Conditions:

Dudley Carson (706 545 7570), 8/26/2011

Considerations for Field Training Exercises and Range Operations

1. Appropriate precautions must be taken to prevent hazardous material spills. Have adequate quantities of spill response supplies on hand. If a spill occurs use notification procedures as outlined in the Fort Benning Hazardous Waste Management Plan. Contain and clean up spill according to guidance provided by the Environmental Protection Management Branch. Any waste generated must undergo a waste stream analysis to determine appropriate management requirements. If any hazardous waste is generated it must be managed in accordance with Federal, State, Army and Fort Benning regulations.
2. Ensure personnel know the correct procedure for handling misfires at the range:
 - 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.All excess, unused munitions (including smoke canisters) must be returned to the Ammunition Supply Point (ASP) after the range operation is complete. Defective, misfired, or otherwise unserviceable munitions may be destroyed on the range, as part of the training exercise, in coordination with EOD. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg 350-19, dated 23 July 2010.
3. Rubbish, empty containers and other waste shall be removed from the training area after the exercise. Contact EPMB for detailed information on the proper disposal of waste products resulting from the exercise.
4. Contact POC for questions or additional guidance.

RECORD OF ENVIRONMENTAL CONSIDERATION (FE FORM 144R) CONTINUED....

RECORD NUMBER: 1123502

1. Backfill all fighting positions before leaving the training area.

2. There is one Red-cockaded woodpecker cluster in the area of Buchanan Range at centerpoint GL 01870-79902. Occupants of this range must be aware of this cluster along the entrance road to the range and that the training restrictions apply to this cluster.

There are several Red-cockaded woodpecker clusters located in the Griswold Range area. Note locations on attached map. An exception is granted to conduct live fire on Griswold Range but restrictions apply to the clusters and area adjacent to the Range (see attached). Units must not fire in the direction of the banded trees on the either side of the range. All fire should be to the north and must be concentrated at established targets. All target positions must be backstopped to minimize bullet damage to surrounding trees. These backstops must be maintained to be effective. No positions may be created, moved or expanded without concurrence with Conservation Branch. The Griswold LFX located to the west of Griswold Range in A25 is currently closed and may not be used for live fire exercises.

There are 2 RCW clusters located in the vicinity of Maertins Range at centerpoint GLs 99864-82539 and 00411-81820. Units must not fire into the tree line along the sides of the range and firing must be concentrated at established targets.

Two white bands mark cavity (nest) trees. The cluster boundaries extend approximately 200 feet from the cavity trees and are marked by signs indicating the area is an RCW cluster.

a. Activities in cluster boundaries are limited to 2 hours with the following activities allowed: Hasty defense-light infantry-hand digging, foot traffic, wheeled-vehicle traffic (must stay 50 feet from marked trees), vehicle maintenance, 7.62-mm and lower blank firing, artillery/hand grenade simulators, Hoffman type devices, smoke/haze operations-generators or pots (smoke can drift into, but source must be outside boundary), star cluster/parachute flare; cutting of hardwoods for camouflage (do not cut pines).

b. The following activities are not allowed in the cluster boundary: No other digging, establishment of command post, assembly area operations, established CS/CSS sites, live fire, noise generators, incendiary devices (including trip flares), CS/Riot gas, HC smoke, tank ditches, deliberate individual fighting positions, crew served fighting positions, vehicle fighting positions, force reduction positions, vehicle survivability postings.

c. Within ½ mile of a cluster, there is no mechanical digging within 20 feet of a mature pine tree (8 inches diameter at breast height or greater).

d. No target positions may be created, moved or expanded without concurrence with Conservation Branch.

3. Report all wildfires to Range Control ASAP.

MICHAEL G. BARRON
Wildlife Biologist, NRMB
544-7080/7319

TRAINING ACTIVITY WITHIN 200' BUFFER ZONE	
Maneuver and Bivouac:	
Hasty defense, Light Infantry, Hand digging only, 2 hrs max	yes
Foot Transit	yes
Wheel/Track Vehicle Transit	yes (1)
Cutting Hardwood Camouflage	yes
Vehicle Maintenance, 2 hrs max	yes
Hasty defense, Mechanized Infantry/Armor	no
Deliberate Defense, Light Infantry	no
Deliberate Defense, Mechanized Infantry/Armor	no
Established Command Post, Light Infantry	no
Assembly Area Operations, Light Infantry, Mech Infantry/Armor	no
Established CS/CSS Sites	no
Weapons Firing:	
7.62mm and Below Blank Firing	yes
.50 Cal Blank Firing	yes
Artillery Firing Position	no
MLRS Firing Position	no
All Others	no
Noise:	
Artillery/Hand Grenade Simulators	yes
Hoffman Type Devices	yes
Generators	no
Pyrotechnics/Smoke:	
Smoke, Haze Operations, Generators or Pots	yes (2)
Smoke Grenades	yes
Star Cluster/Parachute Flares	yes
Incendiary Device to Include Trip Flares	no
CS/Riot Gas	no
HC smoke of Any Type	no
Digging:	
Hasty Individual Fighting Positions, Hand Digging Only	yes
Tank Ditches	no
Deliberate Individual Fighting Positions	no
Crew-served Weapons Fighting Positions	no
Vehicle Fighting Positions	no
Other survivability/Force Reduction positions	no
Vehicle Survivability Postings	no

Note: Yes means that the activity may be conducted within 200 feet of a marked cavity tree

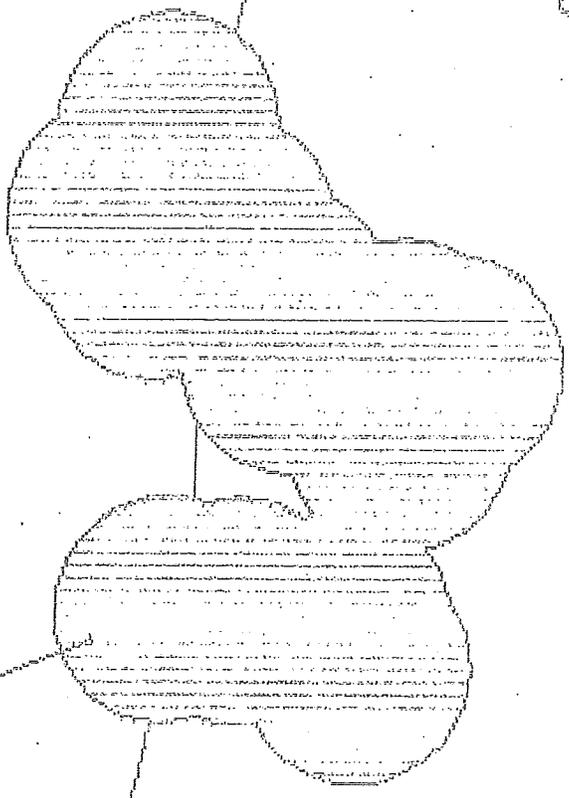
- (1) Vehicles (wheel and track) will not get closer than 50 feet of a marked cavity tree unless on an existing road or trail
- (2) Smoke generators and smoke pots will not be set up within 200 feet of a marked cavity tree, but the smoke may drift inside the 200 foot buffer

Jameson rd

Bryan road

red-cockaded
woodpecker

buchanan
range





red-corked
woodpecker

Maertens Range

Red-cockaded Woodpecker

Legend

Contour Area

Impact Area

RCW Tree

RCW Cluster

Other Values

Spring Station

ACT

INA

File: Benning_2010.sld

RGB

Red: Band 1

Green: Band 2

Blue: Band 3

0.0010 0.02 Miles

PTN 1/2011



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:

- o 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.
- o MSDS - Make sure that MSDSs are available in order to REACT to spills safely and effectively.
- o 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.
- o TRAINING - Improve your readiness by practicing the SPILL DRILL on a regular basis, and be sure to know the spill reporting process.

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

In any spill situation:

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

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

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

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

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

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

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

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

In addition:

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

Acronyms are defined in the ASP Table of Content

APPENDIX H

Spill Kits and Response Material Checklists

Summary Spill Kit and Response Material Checklist

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

Recommended Spill Kits for Fuel Carrying Vehicles

Recommended Spill Kits for Other Military Vehicles

Vehicles Transporting Hazardous Materials other than POL

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

Acronyms are defined in the ASP Table of Contents

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

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

Recommended Spill Kits for Fuel Carrying Vehicles

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

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

Drip Pan

30-Gallon POL Kit: Absorbs Approx. 20 Gallons
1 30 Gallon Drum
1 16 pound bag Absorbent
3 Booms 2x10
25 Absorbent Pads ~17x19
5 Heavy Duty Trash Bags
1 Dust Pan

Recommended Spill Kits for Other Military Vehicles

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

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

Additional Materials or Equipment

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

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

Vehicles Transporting Hazardous Materials other than POL

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

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

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

- RED-COLOADED 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 BIVOUCACS**, 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.
 - Only hardwood may be cut for camouflage; **CUT NO PINE**.
- GOPHER TORTOISE:** Inhabits burrows in high sandy areas. Some burrows are marked by white 1" PVC pipe topped with reflective tape. Digging and vehicular traffic must be kept more than 50 feet away from burrows.

----- **CUT HERE** -----

ENVIRONMENTAL INCIDENT REPORT FORM

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

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

FORT BENNING ENVIRONMENTAL REGULATIONS SUMMARY

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

POL/HAZMAT SPILLS: Report all spills through Range Control at 545-3474. If assistance is required from the Fire Department/HAZMAT Team, Range Control will make notifications through E-911. For POL spills greater than 20 gallons on land or any quantity on surface water, the Environmental Management Division (EMD) must be immediately notified through E-911 or 545-8879/4203. 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/NOIC: _____

Training Area: _____

Grid Coordinates: _____

Date and Name: _____

Signature: _____

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

