

FIRING/NONFIRING DATA

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

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

Date: 9 Apr 2012
Range: Malone 7
Title: Rifle Marksmanship, Alt Firing Positions(Stand/kneeling/Prone)
Problem No: Stationary Barricade

Log# 2-16-12

THRU: Operations, Range Division
Fort Benning, GA. 31905

FROM: Survey, Range Operations
Fort Benning, GA. 31905

SECTION I, TYPE OF TRAINING

a. Live Fire b. Non-live Fire CP/Controller Coordinates: GA 0433 8930 (Range Tower)

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
FP1 - FP16 GA 04118923 to GA 04548938	M16/M4/MK16	5.56mm Ball	5800 mils	6315 mils
Same as above	PEQ2/PAC4/M68/NVG's/PVS14/PVS 7D (Eye Safe) PAC15	Laser Aiming Devices	N/A	N/A

SECTION IV, LIVE FIRE EXERCISES Attach the following:

SECTION V, NON-LIVE FIRE TRAINING

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

Name/rank of requesting officer:
Benjamin T. Bolding
Benjamin T. Bolding, GS08, Chief, Survey Technician

Name/rank of Major Unit S3/Commander:
Brad Tesch, GS12, Chief, Range Operations

SECTION VI, FOR RANGE DIVISION USE

DATE: 2 May 2012

TO: Operations, Range Division
Fort Benning, GA. 31905

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

a. Roadblocks to be closed: M1, M2, M3, M4, M5, M6, M7, M9

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

c. Remarks: Class III A lasers are not eye safe on dual low mode within 25 meters. Laser Warning Signs will be in place prior to opening range. Range safety Briefing will include hazards using Lasers and NVD's.

d. This approval expires: **Indef**

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

Brad S. Tesch



DEPARTMENT OF THE ARMY
INSTALLATION MANAGEMENT COMMAND
SOUTHEAST REGION, GARRISON COMMAND
35 RIDGEWAY LOOP, ROOM 385
FORT BENNING, GEORGIA 31905

REPLY TO
ATTENTION OF

IMSE-BEN-PL

2 May, 2012

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

SUBJECT: Qualification, Field Fire, NBC Fire, Burst Fire, Night Fire, Alt Firing Positions (Standing, Kneeling, and Prone with Barricades), on Malone 7

1. **Purpose:**

The purpose of this memorandum is to outline the training concept and scenario for Marksmanship training on Malone 7 using live ammunition. The training will familiarize Soldier's on firing techniques relative to combat conditions in the contemporary operating environment, firing realistic training scenarios from existing firing points and targets arrays with live munitions. During the execution of training, Soldiers will train on the following task.

- Combat Familiarization Fire (CFF) (ARM 6 Barrier Shoot).
- Fire from the standing, kneeling and prone.
- Fire over and around Barricades (4'x 8' plywood wall).
- Qualification

2. **Concept:**

- (CFF):** Fire from existing firing point with M16/M4 rifle. Barricades will be placed centered on the firing point. Firing orders will move to their firing points at the low ready. Soldiers will start the engagement in the Kneeling position and will adjust positions and shoot around barricades as directed throughout the scenario. **At no time will there be more than one firer per firing point on this range. There will be no Lateral Movement at any time on this range. Soldiers will only fire in his/her Lane. When firing the standard qualification tables, barricades will be removed.**
- Fire Standing, Kneeling and Prone:** Will be executed IAW FM 3-22-9 chapter 7. Soldiers will fire from firing points at existing targets in their firing lane. Soldiers will determine the firing position that offers the best chance of killing the target. Soldiers will conduct load fire reduce stoppage, magazine changes, and target engagement during this iteration.
- Fire over and around Barricade:** Will be executed IAW FM 3-22-9 chapter 7. This firing technique trains the Soldiers on the firing positions used in an urban environment. Soldiers will fire from firing points at existing targets in their firing lane. Soldiers will determine the firing position behind a barricade wall that offers the best chance of killing the target without exposing the Soldier to killing fire. Soldiers will conduct load fire reduce stoppage, magazine changes, and target engagement during this iteration.
- Qualification, ARM 3 (Day), ARM 3N (Night):** Soldiers will train and fire under controlled conditions at all times. Soldiers will familiarize with the Close Combat Optic (CCO), Infrared Laser Device (PAQ 2, 4, 15), and NVG's (ANPVS14), to engage targets during the day and night. During the day portion of the training, a tower official gives all firing commands. During the night portion, a firing point official gives firing commands with the tower official acting as overall safety. Soldiers will fire from fixed firing points in the prone supported, prone unsupported and kneeling firing positions. The Soldiers are instructed when to load their weapons, and when to engage targets. At the conclusion of the exercise, the Soldiers will lock and clear their weapons. **(See Weapons Clearing Procedures at Paragraph 4-21, 1-5)**

3. **Scenario:**

a. **Pre-Live fire:**

1. User unit detail arrives prior to main body.
2. Detail conducts range set up in preparation of the arrival of the main body to include positioning of barricades IAW Barricade positioning Diagram.
3. Main body arrives and organizes in staging area (Bleachers).
4. Soldiers are given a range orientation/safety brief (Bleachers).
5. Soldiers are instructed on proper firing techniques from the standing, kneeling and prone positions to include barricades.

b. **Sequence of Training:**

1. Units will break Soldiers down into firing orders.
2. Soldiers will file to the ammunition point and draw 3 x 10 round magazines of ammunition.
3. Soldiers will move to the base of the tower to enter the range and move to their assigned firing point. Safeties will rod all weapons at the base of the tower. **(See Weapons Clearing Procedures Paragraph 4-21, 1-5)**
4. Soldiers will be instructed by the tower to take up a kneeling firing position and lock and load there 1st 10 round magazine.
5. After firing the 1st 10 rounds of ammunition Soldiers will be prompted to take cover behind the barricade and take up a good barricade firing position.
6. Soldiers will fire 10 rounds from his second magazine behind the barricade from either the Kneeling or standing position.
7. After firing from the barricade Soldiers will be prompted to assume prone position behind the barricade and fire the remaining 10 rounds in his 3rd magazine.
8. When firing the standard qualifying scenario (40 rounds) units will use the center of the platform to conduct Field Fire.

c. **Post live fire training:**

1. Soldiers will receive feedback/score and retraining as necessary.
2. Soldiers receive a brass and ammo check by their chain of command.
3. All Soldiers, weapons, ammunition and dunnage will be accounted for prior to the departure from the training area.

4. **Safety Measures**

1. All Soldiers will have the appropriate safety equipment on (eye/ear protection, body armor, and helmets) prior to firing on the range.
2. All Soldiers will receive in a safety briefing/orientation on the scenario and a demonstration on the proper engagement techniques using barricades.
3. Prior to firing, cadre will conduct weapon and ammo inspection to ensure no unauthorized munitions are being used.

4. A Combat Lifesaver with a designated covered vehicle will be on site at all times.
5. The OIC will monitor Range Control net at all times during execution of training and will request opening/closing codes.
6. Soldiers will be briefed on cease-fire procedures during the range in-brief. Additionally cadre will relay any/all cease fire signals applicable if they witness an unsafe act. Anyone on the range that see's an unsafe act can call a cease fire.
7. RSO will have his RSO card present and only perform duties as the Range Safety Officer.
8. Laser warning signs will be posted on the range prior to the use of Lasers.
9. See attached sketch for proper positioning of Barricades and authorized firing positions. (See Enclosure #1 and #2)
10. If Overhead cover is on the firing point, Soldiers will not fire from the overhead cover supporting beam.
11. After all rounds are fired; Soldiers will be directed to ensure their weapons are on SAFE, prior to getting up and moving at the low ready. They will then move to the clearing barrel at the base of the tower and conduct clearing barrel procedures. A one piece brass clearing rod will be used to clear muzzle obstructions and if a clearing barrel is not on the range safeties will rod all weapons prior to Soldiers leaving the firing line. (See Paragraph 4-21, 1-5 Weapons Clearing Procedures)
12. RSO will suspend all firing if a malfunction causes damage to a weapon or injury to personnel and will notify Range Control and QASAS at 544-7490/7489.
13. Ammunition detail will load three 10 round magazines per Soldier with 1 dummy round placed in each magazine to induce an unannounced malfunction.
14. All Soldiers will be briefed on the procedure when finding unexploded munitions (duds) on the range.
15. Laser hazards will be included in safety briefing.
16. **No one moves downrange at any time.**
17. **Incident: When an incident occurs on the range, regardless of injury or not, the OIC/RSO will immediately call a cease fire and report it to Range Control and the using unit's higher headquarters. OIC/RSO will take action as directed by Range Control. The cease fire will remain in effect until the problem is resolved and cleared through Range Control. If the incident results in an injury, the OIC/RSO will use the procedures outlined in the medical paragraph. The following information will be furnished by the OIC/RSO to Range Control:**
 - 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.**
18. 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.

19. **Medical:** In the event of an accident, injury or illness, the OIC/RSO will immediately call a cease fire then call 911 using the standard 9 Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb or eyesight). MEDEVAC will be IAW MCoE Regulation 350-19 and 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.

20. **Weapons/Ammunition Malfunction Reports:** When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Control. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared through Range Control. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

21. Weapons Clearing Procedures:

1) All Soldiers will have their rifles rodded with cleaning rod or similar device before entering live fire ranges and proceeding to their firing positions by qualified range safety.

2) Upon completion of Soldier's firing exercise and before leaving the firing position the Soldier will have his weapon visually inspected/cleared by a qualified range safety. This person cannot be a Soldier in a training status.

3) The Soldier will then proceed off the firing line to the clearing barrel where he will dry fire his weapon IAW published procedures.

4) Before exiting the range, the Soldier will then have his weapon rodded with cleaning rod or similar device by a qualified range safety.

5) Once off the range Soldiers will be contained in a small assembly area where a full ammunition and brass check will be conducted by the Range Safety Officer before being released back with the remainder of the Soldiers on the range.

24. Units Must have an Approved RMWS signed off by Post Safety prior to use of this range and on file at Range Operations (Survey Section).

25. There will be no deviations to this packet without prior approval from Range Control.

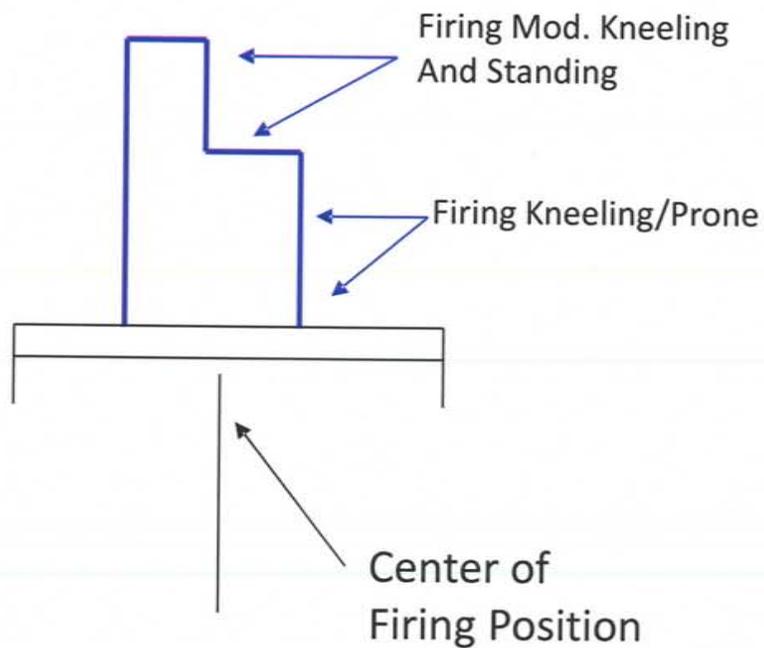
26. POC for this exercise is the undersigned at 544-6385.



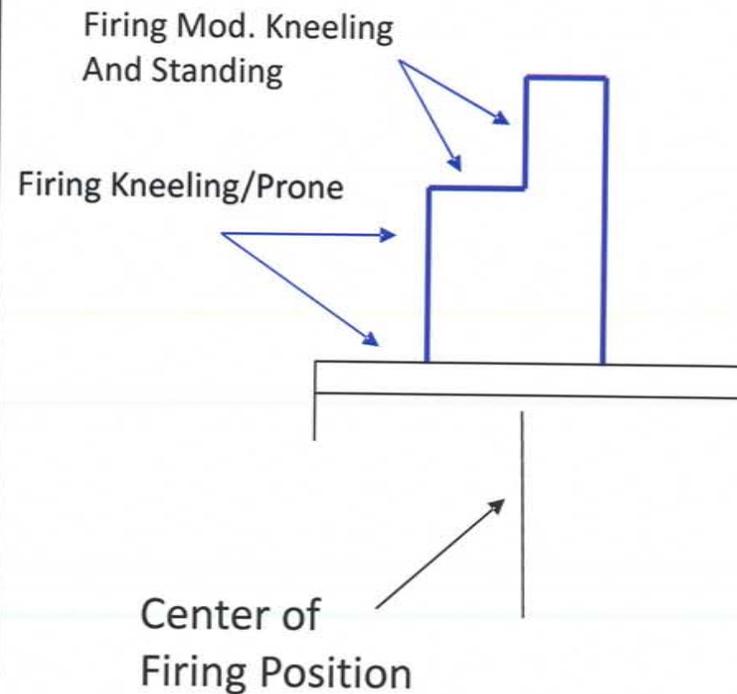
BRAD S. TESCH
GS12, Chief of Operations
Range Division

Placement of Barricades on Malone 7 Firing Positions

Position of Barricade
for a right-hand firer

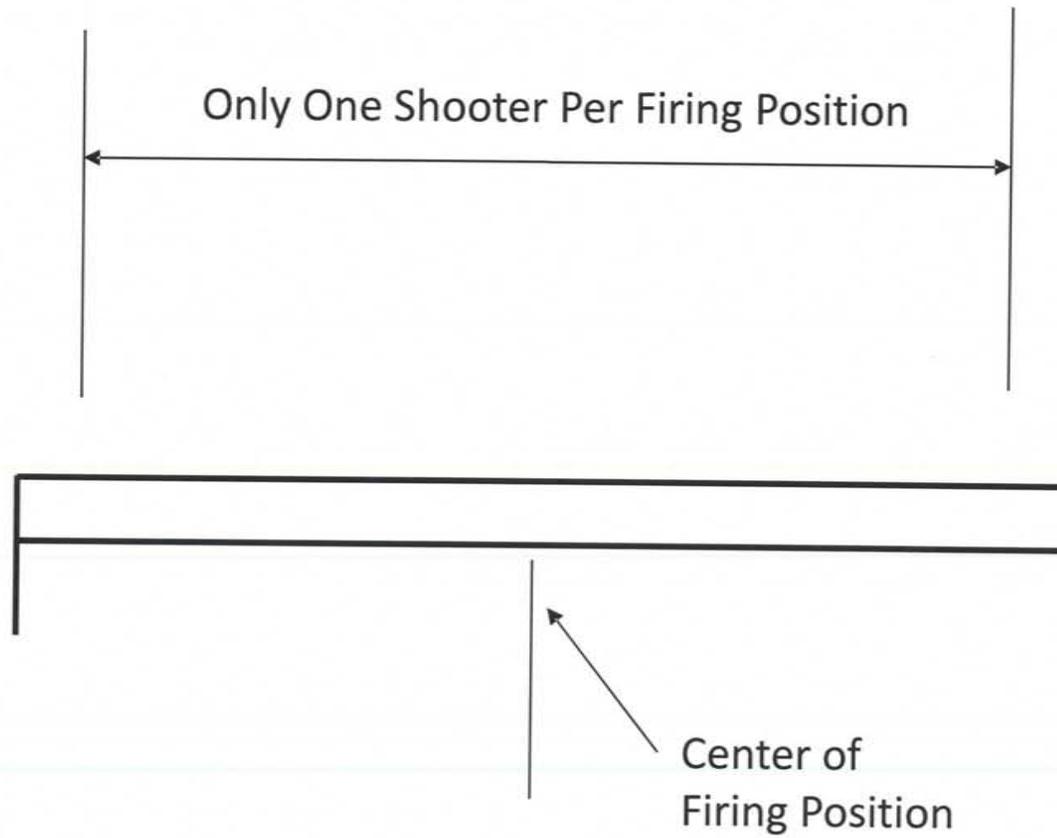


Position of Barricade
for a left-hand firer



Note! Only One Shooter Per Firing Position

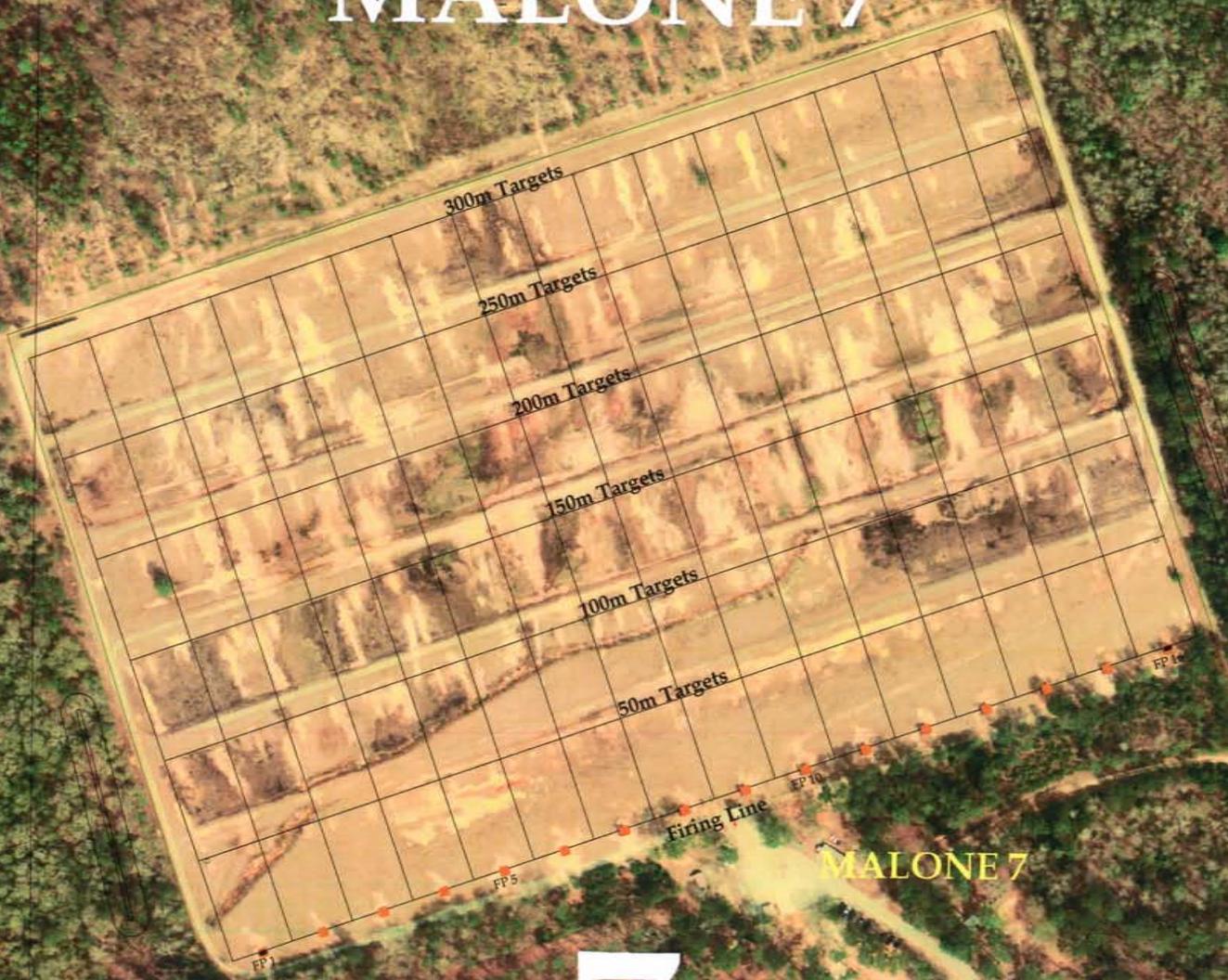
Position of Platform Firing on Malone 7





MALONE 7

MALONE 7



MALONE 7

7

Malone 7 Log# 2-16-12 Roadblocks, 21 Feb 2012

#	GRID	LOCATION	TYPE
M-1	009 910	Across Steam Mill Rd 10m E of its intersection with Wildcat Rd.	Gate
M-2	019 938	Across Massey Rd 10 meters S. of its intersection with Buena Vista Rd.	Gate
M-3	046 892	Across Stenay Rd 30m N. of its intersection with 2nd Armored Division Rd.	Gate
M-4	046 935	Across Red Arrow Rd 30m S. of its intersection with Buena Vista Rd.	Gate
M-5	045 933	Across unnamed trail 220m SW of its intersection with Red Arrow Rd.	Gate
M-6	058 927	Across Red Arrow Rd 30m W. of its intersection with Midwest Rd.	Gate
M-7	052 923	Across Steam Mill Rd 400m S. of its intersection with Red Arrow Rd.	Gate
M-8	021 891	Across unnamed trail on S side of 2nd Armored Div Rd 110m E of entrance to Malone 2.	Gate
M-9	032 937	Across unnamed trail on S side of Buena Vista Rd 200m E. of entrance to Young Range.	Gate
M-10	059 926	Entrance to Borrow Pit on Red Arrow Rd. 50m SE of M-6 Roadblock	Gate



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)



EMD Number: 1122424

Project#: 0012

Project Title: BASIC MARKSMANSHIP

Description of proposed action:

ALLOTTED ROUNDS PER SOLDIER PER RANGE; MALONE 2-108RDS OF 5.56MM BALL, MALONE 7-40RDS OF 5.56MM BALL, MALONE 9-18RDS OF 5.56 BALL, MALONE 9-18RDS OF 5.56 BALL MALONE 11-27 RDS OF 5.56 BALL, MALONE 14-40RDS OF 5.56 BALL, MALONE 16-40 OF 5.56 BALL, MALONE 18-50RDS OF 5.56 BALL, FOR AIM PERIODS OF INSTRUCTION THE FOLLOWING ALLOTTED ROUNDS PER SOLDIER APPLY; AIM 1-58 RDS OF 5.56 BALL, AIMS 2-41RDS OF 5.56 BALL, AIM3-11RDS OF 5.56 BALL, AIMS 4-44RDS 5.56 BALL AND AIMS 5-36 RDS BALL AMMUNITION. AIM PERIOD OF INSTRUCTION CAN BE SCHEDULED ON MALONE 14, MALONE 16, MALONE 17 AND MALONE 18, MCANDREWS NOT TYPICAL TRAINING(Renewal ~KP)

Project Location:

MALONE 2,7,9,11,14, 15,16,17,18, MCANDREWS

Amount, Description, Location of Disturbance/Digging:

NONE

Number/Types of Vehicles:

NONE

Number of Personnel:

APPROX.600 SOLDIERS PER WEEK

Type of Ammunition:

5.56MM BAL, 5.56MM TRACER LIVE Live

Number/Types of Trees:

NONE

Size of Project Area: NONE

Duration of Action:Start: 10/1/2011

Stop: 9/30/2012

Proponent: christopher.m.morse 545-8594

Organization/Unit: E CO 2-29 S-3

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), 8/16/2011

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 144R and a site visit with this office.

Noise

Conditions:

Ellis Leeder (706 545 7576), 8/16/2011

This is normal training or flight training operations that must be conducted annually. If there are any complaints received, the Environmental Management Division IONMP and or POA programs will investigate by determining if the noise was detected by noise detection monitors, 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 good smoke management practices not allowing smoke to travel off Installation boundary. If any assistance or a copy of MCoE Regulation 350-19 is needed please feel free to contact Ellis Leeder at 706.545.2400 or email ellis.leeder@us.army.mil

EMD Number: 1122424

IJO#

Project Title: BASIC MARKSMANSHIP

CWA - Training

Conditions:

Jesse Taylor (706 545 0276), 8/30/2011

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 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 (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), 8/15/2011

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.

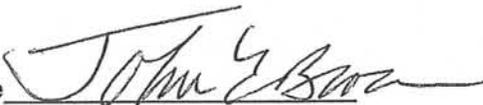
-Misfires SHALL NOT BE COLLECTED in any open container or cardboard box.

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.

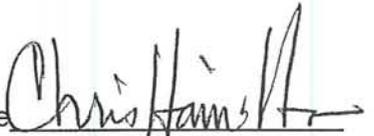
4. Contact POC for questions or additional guidance.

Signature 

John E Brown

NEPA Program Manager

Date 31 AUG 2011

Signature 

Christopher E. Hamilton, PhD

EPMB Chief

Date 3 Aug 11

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

RECORD NUMBER: 1122424

1. There is one Red-cockaded Woodpecker (RCW) cluster located at Malone 16 and in the area between Malone 16 and 17 at centerpoint GL 06382-90868. There is 1 RCW cluster located near Malone 18 at centerpoint GL 05800-92330. Two white bands mark cavity (nest) trees. The trees in the area of Malone 16 are roped off and there are signs placed on poles to designate the restricted area. In addition, the restricted area between the ranges is marked with signs that extend approximately 200 feet from the cavity trees. Troops should not enter the roped off areas. The following restrictions apply to the signed area (boundary):

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).

2. Report all wildfires to Range Control ASAP.

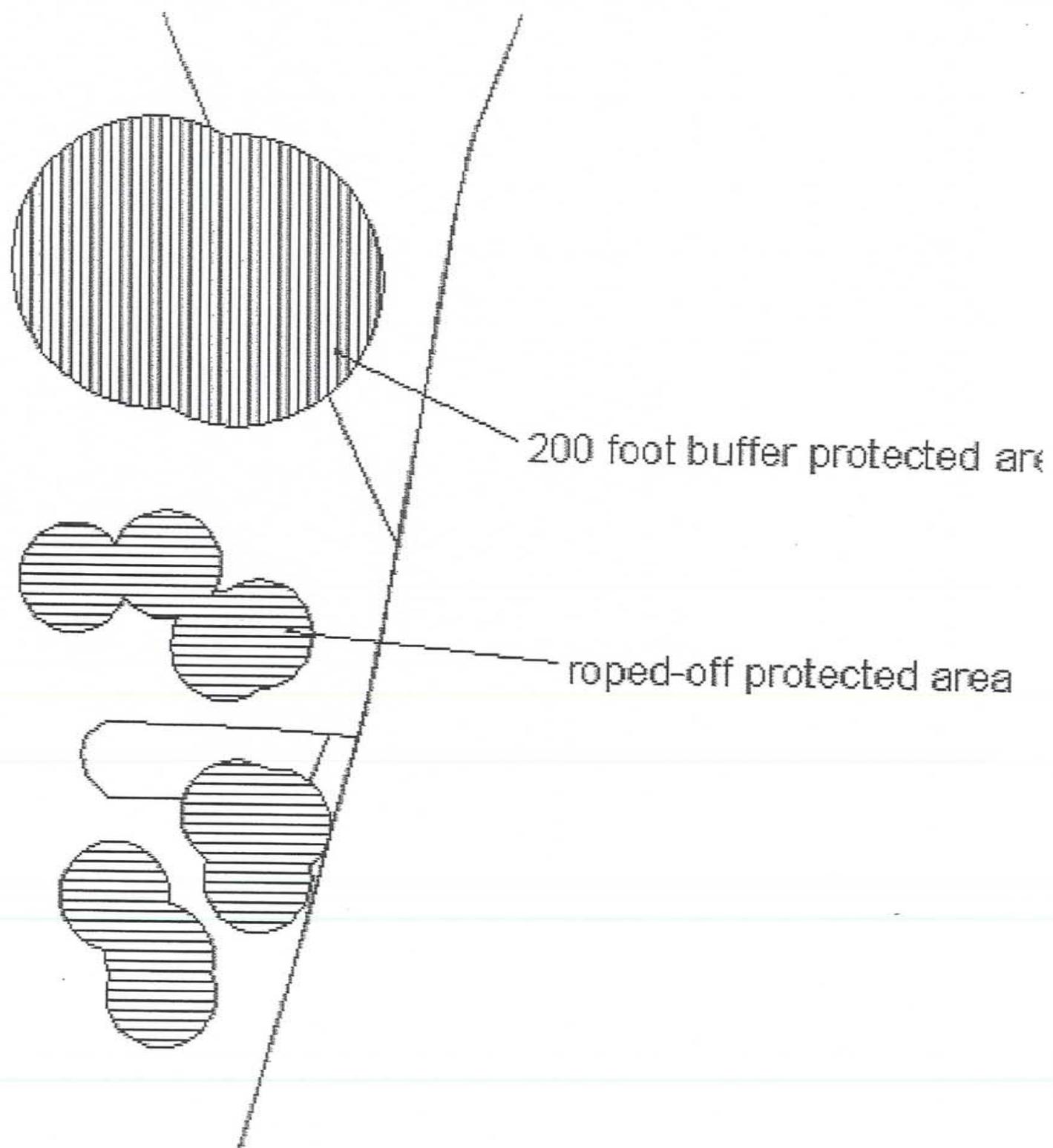
MICHAEL G. BARRON
Wildlife Biologist, CB
544-7080/7319

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

Malone 16



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:

to remember your **CHECK** list:

Containment:

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

Hazardous Material/Hazardous Waste locations:

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

Environmental Documentation:

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

Containers:

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

Kits:

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

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

Response

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

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

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

Spill Response Record

PHASE I-IMMEDIATE ACTIONS FOR EVALUATING AND REPORTING SPILLS:

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

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

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

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

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

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

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

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

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

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 filed 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.

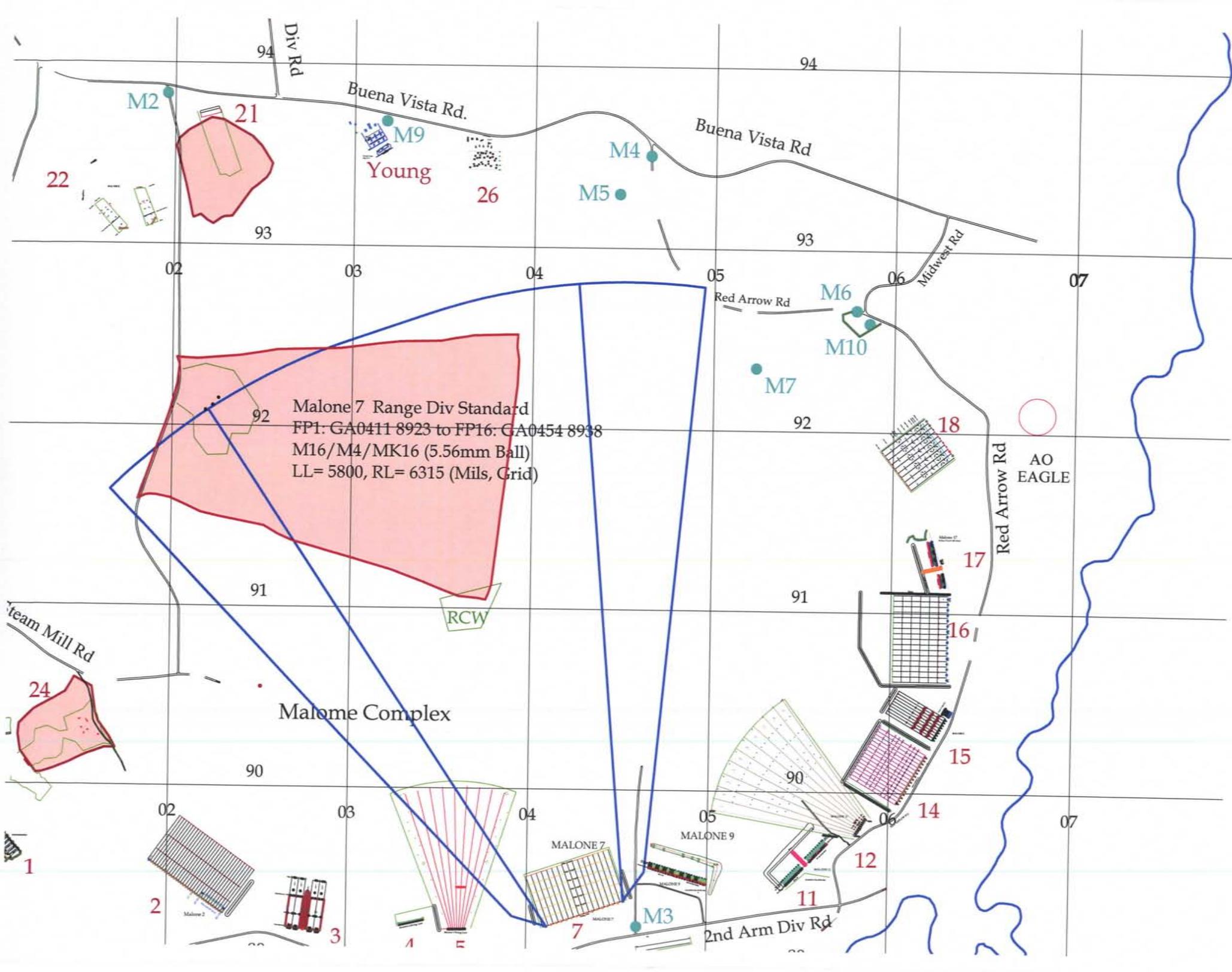
Additional Materials or Equipment

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.



Malone 7 Range Div Standard
FP1: GA0411 8923 to FP16: GA0454 8938
M16/M4/MK16 (5.56mm Ball)
LL= 5800, RL= 6315 (Mils, Grid)

Malome Complex

AO EAGLE

RCW

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04

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91

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92

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93

94

94

Buena Vista Rd.

Buena Vista Rd.

Midwest Rd.

Red Arrow Rd.

Red Arrow Rd.

2nd Arm Div Rd.

Team Mill Rd.

Div Rd.

M2

M9

M4

M5

M6

M10

M7

M3

22

21

26

18

17

16

15

14

12

11

24

2

3

4

5

7

MALONE 7

MALONE 9

MALONE 2