

<b>Environmental Standard Operating Procedure</b>	
<b>Live Fire Range Operations</b>	
SF Director: Alicia Florez Signature:	Date:

**PURPOSE.**

The purpose of this Environmental Standard Operating Procedure (ESOP) is to provide environmental guidelines for conducting live fire range operations.

**PROCEDURES.**

Marine Corps Logistics Base (MCLB) Barstow operates a live fire Rifle Range to conduct both military and law enforcement training operations. The entire range is considered to be potential Desert Tortoise habitat with 504 acres formally designated as critical habitat by the United States Fish and Wildlife Service (USFWS). Due to the presence of the Desert Tortoise as a protected species, certain measures must be followed when conducting any operations or activities within the area. Further information regarding training operations aboard the range can be found in the Barstow Training and Range Environmental Assessment.

The use of hazardous materials such as lead, brass casings, spray paint, and treated wood is essential in the course of conducting live fire range operations. These hazardous materials must be managed properly in order to minimize impacts to the human health and the environment.

The following procedures apply when conducting live fire range operations:

1. Follow all posted warning signs aboard the range and stay out of designated critical habitat.
2. Check under parked vehicles and inspect the ground underneath and around the vehicle for desert tortoise before proceeding to move the vehicle.
3. If a desert tortoise is observed in the training area and is in imminent danger, stop all operations immediately and contact Range Operations. Report the sighting to the Environmental Division. Do not touch, move, or harass a Desert Tortoise.
4. If you observe any other animal that is in danger or could become a safety hazard to personnel, contact the Environmental Division.
5. Ensure that Safety Data Sheets (SDSs) for all hazardous materials associated with this practice are available and current.
6. Ensure all training records and certifications are current and available for inspection.
7. Wear personal protective equipment (PPE), such as hearing and eye protection, when appropriate.

8. Keep fire extinguishers readily accessible and near potentially hazardous areas.
9. Ensure fugitive dust mitigation is adhered to and stay on designated roads. Off road travel is prohibited on the range.
10. Store all usable hazardous materials (HM) such as paint in a properly labeled HM locker.
11. Collect wastes such as trash, spray paint cans, and recyclable wastes such as brass casings and store in separate, approved containers. Containers shall remain closed at all times except when material is being added to the container.
12. Properly mark collection containers using proper labels with the material they are intended to collect.
13. Disposal of Material Presenting Potential of an Explosive Hazard (MPPEH) is prohibited.
14. Maintain a daily log containing dates and times of training operation, total ammunition expended during training operations, etc.
15. Ensure that all inspection records are maintained and available for inspection for three years.
16. Ensure that the following warning signs are posted in clearly visible areas and legible from a distance of 25 feet in any direction:
  - a. “Live Fire in Progress” – post along range fencing at access points,
  - b. “Hearing Protection Required” – post in firing pits.
17. The procedures for the turn-in of expended ammunition retrograde material to the Qualified Recycling Program (QRP), are outlined below:
  - a. All units must schedule turn-in of ammunition casing within 10 business days after the completion of each range/training event. Casings must be inspected before turn-in by both an Inert Inspection Certifier and Inert Inspection Verifier, to ensure no live ammo, unfired primers, or misfired rounds are present.
  - b. All units must provide a DD 1348-1 and inert certificate, which must clearly state the caliber of all types of ammunition fired during the training event, total quantity of ammunition expended and total weight. A copy of the appointment letter for the Material Potentially Presenting an Explosive Hazard (MPPEH) certifiers and verifiers must also be provided.

- c. Casings must be sorted by caliber and contain no contaminants such as steel clips, links, dirt, wood or other debris. Only .50 cal and below are acceptable by the QRP.
- d. Units are not to use the Qualified Recycling Program's containers to dispose of trash, wood ammo crates, boxes or any other debris.
- e. The QRP and the unit authorized representative must retain the signed DD 1348-1 on file for 10 years as key supporting documentation (KSD).

18. The following records must be maintained for live fire range operations:

- a. SDSs for all materials associated with this practice.
- b. Hazardous materials inventory.
- c. Inspection and training records.
- d. Scheduled maintenance logs, (for pop up target mechanisms).
- e. Daily logs.

19. The Environmental Compliance Coordinator (ECC) shall coordinate with their supervisor/leadership to ensure personnel are designated to conduct inspections. The ECC shall ensure deficiencies noted during the inspections are corrected immediately. Actions taken to correct each deficiency shall be recorded on the inspection sheet.

20. If there are any specific situations or concerns not addressed by this procedure, contact the MCLB Barstow Environmental Division.

## **REFERENCES.**

- a. 40 CFR 262 (Code of Federal Regulations)
- b. 29 CFR 1910
- c. 22 CCR 66273.10-21 (California Code of Regulations)
- d. MCO 5090.2A (USMC Environmental Compliance and Protection Manual)
- e. MCO 3574.2k
- f. MCO P4790.2C
- g. Barstow Training and Range Environmental Assessment, Oct 2018

## **TRAINING.**

Unit personnel should be trained on all the provisions of this ESOP. All training must be requested through unit ECC or Environmental Compliance Branch.

All affected personnel must be trained in the following:

- a. General Environmental Awareness training