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	VOLUME 21				
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VOLUME 21: ENVIRONMENTAL MANAGEMENT OF MUNITIONS ON OPERATIONAL RANGES

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REFERENCES

- (a) DoD Instruction 4140.62, "Material Potentially Presenting an Explosive Hazard," November 25, 2008
- (b) DoD Instruction 4715.14, "Operational Range Assessments," November 30, 2005
- (c) Part 260 of Tile 40, Code of Federal Regulations (40 CFR 260)
- (d) DoD, "Policy to Implement EPA's Military Munitions Rule," July 1, 1998
- (e) 40 CFR 270
- (f) DoD Explosives Safety Board, Technical Paper 18, "Minimum Qualifications for Unexploded Ordnance (UXO) Technicians and Personnel," December 20, 2004
- (g) Headquarters Marine Corps, "Range Environmental Vulnerability Assessment Reference Manual," May 2009
- (h) SECNAV M-5210.1
- (i) MCO 8020.10
- (j) 40 CFR 266
- (k) 40 CFR 264.1200
- (l) 40 CFR 265.1200

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CHAPTER 1

SCOPE

0101 PURPOSE

This Volume establishes Marine Corps policy and responsibilities for managing its operational ranges in a sustainable manner that complies with relevant environmental requirements, including proper management of waste military munitions (WMM) and material potentially posing an explosive hazard (MPPEH), as well as identifying the presence of or potential for munitions constituents to migrate off an operational range.

0102 APPLICABILITY

See Volume 1 paragraph 0102.

0103 BACKGROUND

010301. <u>Waste Military Munitions (WMM)</u>

In accordance with federal regulations, military munitions may be considered hazardous waste and subject to regulation by the U.S. Environmental Protection Agency (EPA), state, or locality.

010302. <u>Material Potentially Presenting an Explosive Hazard (MPPEH)</u>

Various activities and operations on Marine Corps installations, such as range clearance, require proper management of MPPEH. MPPEH shall be evaluated to identify the associated explosive hazards prior to release within or external to the Department of Defense (DoD) in accordance with DoD Instruction 4140.62 (Reference (a)).

010303. Range Environmental Vulnerability Assessment (REVA)

The REVA program meets the requirements pursuant to DoD Instruction 4715.14 (Reference (b)). REVA supports the Marine Corps range sustainability initiatives by proactively evaluating the potential for munitions constituents migration from operational ranges to off-range areas and determining if the release or threat of release causes an unacceptable risk to human health and/or the environment.

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CHAPTER 2

AUTHORITY

0201 FEDERAL STATUTES

020101. Resources Conservation and Recovery Act (RCRA) of 1976 (42 United States Code (U.S.C.) 6901 et seq.).

020102. Federal Facility Compliance Act, Section 107; Public Law 102-386, 1992; 42 U.S.C. §3004(y).

0202 FEDERAL REGULATIONS

Title 40 Code of Federal Regulations Part 266, Subparts 200 – 206, also known in this chapter as "Military Munitions Rule (MR)" (40 CFR 266.200 – 266.206).

0203 DEPARTMENT OF DEFENSE (DOD) POLICY

020301. DoD Instruction (DoDI) 4140.62, "Material Potentially Presenting an Explosive Hazard," April 24, 2007.

020302. DoDI 4715.14, "Operational Range Assessments," November 30, 2005.

020303. DoD Directive (DoDD), 4715.11, "Environmental and Explosives Safety Management on Operational Ranges Within the United States," April 24, 2007.

020304. DoDD, 4715.12, "Environmental and Explosives Safety Management on Operational Ranges Outside the United States," April 24, 2007.

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CHAPTER 3

REQUIREMENTS

0301 GENERAL

Installations will participate in sustainable range environmental management and manage hazardous waste military munitions pursuant to all federal and DoD applicable regulations and policies.

0302 APPLICATION OF REGULATORY CONCEPTS

030201. Definition of Military Munitions

A. <u>Demonstrations</u>

Commercial ammunition or explosives used in air shows or other demonstrations that are authorized by installation commanders may be managed as military munitions because they improve morale, encourage recruitment and retention, and highlight the Marine Corps and DoD support of national security.

B. Confiscated

Any ammunition or explosives confiscated by any DoD law enforcement agency (i.e., Naval Criminal Investigative Service, Criminal Investigations Divisions, Marine Corps Police Department) operating on board a Marine Corps installation may be managed as military munitions because that ammunition is being controlled by the DoD for the safety and security of a Marine Corps installation and its support of national security.

C. Bird/Animal Aircraft Strike Hazard Program

Any ammunition or explosives used for Bird/Animal Aircraft Strike Hazard Program programs may be managed as military munitions because protection of DoD aircraft from bird strikes supports national security.

D. <u>Amnesty Program</u>

Amnesty programs are intended to manage ammunition that is 0.50 caliber or less. Any such ammunition being managed by an Amnesty program will be managed as military munitions because that ammunition is being controlled by the DoD for the safety and security of a Marine Corps installation and its support of national security. Further, any evaluation as to the true origins of the ammunition that is necessary to identify it as military munitions is contrary to the assumption of anonymity of users of the program and may preclude the use of the program.

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E. <u>When Munitions are not Waste</u>

Military munitions are not considered regulatory solid waste or hazardous waste if they are used for authorized training, testing, or evaluation; are being repaired or reclaimed/recycled; or are destroyed during operational range clearance.

F. <u>Unused Solid Waste Military Munitions</u>

Unused military munitions are considered regulatory solid waste and potentially hazardous waste if they are:

1. Buried, landfilled, burned for disposal, incinerated, or treated prior to disposal.

2. Removed from storage for the purpose of disposal or treatment prior to

disposal.

3. Deteriorated, leaking, or are damaged to the point that they can no longer be put back into serviceable condition and cannot be reasonably recycled or used for other purposes.

- 4. Declared a solid waste by an Authorized Military Official.
- G. <u>Used or Fired Solid Waste Military Munitions</u>

Military munitions that have been used or fired are considered solid waste and potentially hazardous waste when they are transported off-range for the purpose of treatment or disposal; disposed by burial; or are fired, land off-range, and are not promptly rendered safe or retrieved.

H. Buried or Abandoned

Military munitions buried or placed into trash containers, recycling bins, or other similar containers are considered WMMs at the time of burial or placement. It does not matter if the person responsible for such burial or abandonment did so without authorization or knowledge of the repercussions. Such military munitions will from then on be managed as Condition Code V WMMs. These munitions will not be "unwasted"; and no attempt will be made to return these munitions to the serviceable stockpile.

I. <u>Authorized Military Official</u>

The Designated Disposition Authority (DDA) is the only Authorized Military Official in the Marine Corps that can declare a military munition to be Condition Code V waste. The

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DDA does not have authority to reclassify munitions that are properly identified as waste back into any other Condition Code besides V.

J. General Personnel Training and Recordkeeping

At least one person at each ammunition supply point and explosives ordnance disposal (EOD) unit shall receive training in accordance with Part 260 of Tile 40, Code of Federal Regulations (40 CFR 260) (Reference (c)). Environmental training records shall be retained on board the installation and may be destroyed 3 years after personnel have left the installation for permanent change of station.

030202. <u>Recordkeeping</u>

All operational range use and military munitions expenditures will be permanently recorded and retained on board and cannot be destroyed. Such records will include the following information:

A. Expenditure of all military munitions, including military munitions type, quantity, location, using unit, and estimated dud rate.

B. Operational range clearance operations or EOD incidents conducted on or off operational ranges, including military munitions type, quantity, and location.

C. The coordinates of all areas known or suspected of containing unexploded ordnance (UXO).

0303 WASTE MILITARY MUNITION (WMM) MINIMIZATION

The Marine Corps will reduce the quantity of hazardous waste disposed of by proper military munitions stockpile management and leveraging of DoD munitions reclamation/resource recovery capability.

0304 EXPLOSIVE OR MUNITIONS EMERGENCY RESPONSES

030401. Explosives or Munitions Emergency

In accordance with DoD, "Policy to Implement EPA's Military Munitions Rule," July 1, 1998 (Reference (d)), the lead onsite explosives or munitions emergency response specialist, after evaluating all circumstances, will make declarations regarding explosives or munitions emergencies upon arrival at the site.

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A. <u>No Immediate Action</u>

The lead onsite explosives or munitions emergency response specialist can determine that an immediate response to an explosives or munitions emergency is not necessary (i.e., the response action can be delayed significantly due to lack of an immediate explosion hazard). Before taking a response action, the explosives or munitions emergency response specialists should consult with the applicable installation's environmental office or the requesting agency (if not a DoD installation) to determine whether an emergency RCRA permit will be requested.

B. Immediate Response Required

In the DoD, explosives or munitions emergencies are further described as Level 1 or Level 2 emergencies. The identification of Level 1 or Level 2 response activities is a matter of DoD policy and does not reflect a regulatory distinction. Installations will follow the detailed guidance related to the two levels of emergency response, their associated notification requirements (internal and external to DoD), as well as permitting requirements as defined by Reference (a). EOD points of contact should notify Commandant of the Marine Corps, Facilities and Services Division (CMC (LF))/ Marine Corps Installations Command, Facilities Division (MCICOM (GF)) if they are encountering multiple emergency responses to the same area as this may indicate the presence of an undocumented range.

030402. <u>Environmental Cleanup after Termination of Emergencies</u>

DoD explosives or munitions emergency response specialists are not responsible for environmental cleanups that may be required after completion of immediate response actions necessary to address Level 1 or Level 2 emergencies. The Marine Corps will be responsible for conducting any appropriate environmental cleanups when military munitions are involved, in accordance with DoD Policy and Volume 10 of this Order. When military munitions are not involved, local authorities are normally responsible for any required environmental cleanup.

030403. Explosive Ordnance Disposal (EOD) Recordkeeping

EOD units will maintain call sheets for all emergency responses for a minimum of three years.

0305 MATERIALS POTENTIALLY PRESENTING AN EXPLOSIVE HAZARD (MPPEH)

Installations will develop and execute MPPEH management procedures in accordance with Reference (a).

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030501. Overall Process

Installations will establish a process that ensures unknown explosive hazards are not present when transferring MPPEH, material documented as an explosive hazard (MDEH), or material documented as safe (MDAS) within the DoD; transferring MDEH to a qualified receiver; or releasing MDAS to the public.

030502. <u>Visual Inspections</u>

Visual inspections may be used when safety can be assured, but they are not always sufficient for providing assurance that MPPEH does not present an explosive hazard. Other Department of Defense Explosives Safety Board (DDESB)-approved means (e.g., thermal treatment) may have to be used to ensure that a release or transfer does not present an explosive hazard to a receiver. Demilitarization procedures established by the Defense Logistics Agency, the DoD Components, or the Single Manager for Conventional Ammunition will address when visual inspection is appropriate and include procedures that may be used to inspect or process MPPEH. Documentation requirements for inspections or processes conducted on MPPEH shall be included in the management procedures.

030503. <u>Closed Circuit Process</u>

For munitions debris and range-related debris, consideration will be given to use of a closedcircuit process, managed by a single entity, which maintains a chain of custody from collection through release from DoD control as MDAS.

030504. <u>Two Conditions for Documentation</u>

Installations will require that the explosives safety status of material to be transferred within or released from DoD control be assessed and documented as either safe or as having known or suspected explosive hazards based on one of the following two conditions:

A. After a 100 percent inspection and an independent 100 percent re-inspection.

B. After processing by a DDESB-approved means with an appropriate post-processing inspection.

030505. <u>Receiver Qualifications</u>

Installations will ensure that MPPEH and MDEH are transferred or released only to those DoD Components and personnel or non-DoD entities or individuals that:

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A. Have the licenses and permits required to receive, manage, and process the materials.

B. Have technical expertise about the known or suspected explosive hazards associated with the MPPEH or MDEH being received.

C. Are qualified to receive, manage, and process MPPEH or MDEH in accordance with this Order and any implementing guidance.

D. Have personnel who are:

1. Experienced in the management and processing of materials with explosive hazards equivalent to the MPPEH or MDEH being received.

2. Trained and experienced in the identification and safe handling of used and unused military munitions and any potential explosive hazards that may be associated with the specific MPPEH or MDEH being received.

E. Require an explosives risk evaluation before allowing the DoD Components or non-DoD entities or individuals to receive, manage, or process MPPEH or MDEH. This explosives risk evaluation process will evaluate the adequacy of the receiver's management controls (e.g., training, oversight, recordkeeping) and operations (e.g., processing methods, equipment, storage facilities).

F. Ensure that only MDAS is released to the public.

030506. Evaluation of Receiver Qualifications

Installations will verify that a documented evaluation indicates that the receiver of MPPEH or MDEH meets applicable requirements prior to the transfer within or release from DoD control of such material.

030507. <u>Personnel Training</u>

Installations will ensure that personnel who inspect, process, or document material as safe or hazardous shall be trained in:

A. Recognition and safe handling of used and unused military munitions and specific types of MPPEH. When appropriate, such personnel will be qualified according to 40 CFR 270 (Reference (e)) or trained in accordance with DoD Component policy and guidance for training and qualifying personnel who handle military munitions.

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B. Demilitarization and trade security controls and procedures that apply to MPPEH, MDEH, and MDAS that are to be released from DoD control.

C. Identification, management (e.g., marking, segregating, securing), and processing (e.g., flash burning, complying with hazardous material and hazardous waste transportation regulations) requirements that apply to specific types of MPPEH or MDEH.

030508. <u>Personnel Qualifications</u>

Installations will ensure that personnel who inspect, process, or document material as safe or hazardous:

A. Demonstrate or provide proof of adequate training and experience in the recognition and safe handling of used and unused military munitions and other MPPEH and in the processing of MPPEH.

B. Be certified, in writing, by the installation commander directly responsible for controlling the transfer or release of MPPEH, MDEH, or MDAS, as being technically qualified according to the standards provided in this Order for management of MPPEH to perform such functions and, in the case of contractor personnel, be certified in conformance with contract requirements.

C. Inspect and re-inspect, or process and inspect, and document material as either MDEH or MDAS.

030509. <u>Commingling</u>

Installations will ensure the chain of custody remains intact through release from DoD control by ensuring that MPPEH awaiting documentation of its explosives safety status, MDEH, and MDAS are not commingled.

030510. <u>Containers</u>

Installations will ensure that containers and holding areas for material being processed are secured and clearly marked as to:

A. The hazards, if any, that may be present.

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B. The inspection and re-inspection (or processing and inspection) and documentation of the explosives safety status of the material present.

030511. Explosives Safety Siting

Installations will obtain required explosives safety siting approval for locations (MPPEH or MDEH processing points) used for MPPEH processing operations (e.g., consolidation, inspection, sorting, storage, transfer, release) when not located on an operational range that can support the explosives operation.

030512. <u>Material Accumulation</u>

Installations will minimize the quantity and time MPPEH is accumulated and retained at any location. (Under some circumstances, the accumulation of MPPEH, including "speculative accumulation," or its movement from either an operational range or the site of use could require its management as WMM in accordance with applicable federal or state requirements.)

030513. Chain of Custody

Installations will ensure that chain of custody is maintained until MDEH or MDAS is released from DoD control. A legible copy of the documentation of the determination of the material's explosives safety status shall accompany the material when it is transferred out of DoD control. This documentation will be retained in accordance with DoD Explosives Safety Board, Technical Paper 18, "Minimum Qualifications for UXO Technicians and Personnel," December 20, 2004 (Reference (f)). MDEH and MDAS are no longer considered to be MPPEH as long as the chain of custody remains intact.

A. Documentation of the determination of the material's explosives safety status shall state either that the material does not present an explosive hazard and is consequently safe from an explosives safety perspective for transfer within or release from DoD control, or that it is hazardous with the known or suspected explosive hazards stated and is only transferable or releasable to a qualified receiver.

B. The documentation of material as safe requires two independent signatures by trained and certified personnel. The first signatory shall be technically qualified and may be either a DoD employee or a DoD contractor. This first signatory shall have performed or witnessed the initial 100 percent inspection or DDESB-approved processing of the material. The second signatory shall be a technically qualified U.S. citizen who may be either a DoD employee or a DoD contractor. This second signatory shall have performed or witnessed the independent 100 percent re-inspection or conducted an independent quality assurance inspection of processed material using an approved sampling method. Each signatory shall ensure the chain of custody was maintained before signing the explosives safety documentation.

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C. When a visual inspection allows the MPPEH to be documented as to the hazard it is known or suspected to present, documentation of the determination of the material's explosives safety status as MDEH only requires one signature.

030514. Database of Releases and Transfers

Installations will ensure that a database is maintained to record any reports of incidents when an unauthorized transfer or release of MPPEH occurred, MDEH was transferred or released to an unqualified receiver or presented an unintentional explosive hazard to a qualified receiver, or MDAS was released that was subsequently found to contain an explosive hazard. Installations will ensure that quarterly summaries of the transactions recorded in this database are provided to Marine Corps Systems Command (MARCORSYSCOM), Program Manager Ammunition and CMC (LF)/MCICOM (GF).

0306 RANGE ENVIRONMENTAL VULNERABILITY ASSESSMENT (REVA)

030601. Background

The requirements for the Military Services to develop an operational range assessment program that assesses the potential for munitions constituents to migrate off-range and cause an unacceptable risk to human health or the environment are defined by Reference (b).

030602. <u>Procedures</u>

A. <u>Ranges to be Assessed</u>

All ranges within the Marine Corps operational range inventory will be assessed.

B. <u>Range Assessment Strategy</u>

The assessments will be conducted in accordance with Headquarters Marine Corps, "Range Environmental Vulnerability Assessment Reference Manual," May 2009 (Reference (g)), which is updated as needed, to determine whether a release or substantial threat of a release of munitions constituents from an operational range to an off-range area has occurred and, if so, whether the release creates an unacceptable risk to human health or the environment.

C. <u>Sampling Strategy</u>

The results of the assessment will determine whether sampling is necessary and, if so, assist with determining whether an unacceptable risk to human health or the environment exists.

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D. <u>Response to Release</u>

If a release of munitions constituents from an operational range to an off-range is determined to be an unacceptable risk to human health and/or the environment, the release will be addressed as an environmental cleanup in accordance with the appropriate program.

E. <u>Reporting</u>

Assessment information and findings will be documented in a report for each installation. The reports will be provided to regulatory bodies identified by the installation 60 days before finalization. If a release that created an unacceptable risk is determined, the information will be reported through the Under Secretary of Defense for Acquisition, Technology, and Logistics chain of command along with the appropriate regulatory authorities.

0307 MUNITIONS DISPOSITION PROCESS

030701. Background

The DDA process, including the procedures used to request disposition instructions for excess, obsolete, unserviceable, and WMMs was created as defined by Reference (b).

030702. Disposition Process

The Marine Corps DDA is located at MARCORSYSCOM, PM Ammunition. Specific information regarding the military munitions disposition process for Class V(W) munitions is defined by SECNAV M-5210.1 (Reference (h)). The military munitions disposition process includes a request for disposition instruction and a subsequent instruction from the appropriate DDA. DDA instructions may be accompanied by shipping instructions from PM Ammunition inventory managers. DDA instructions that allow training will be sent to the appropriate ammunition supply point and training unit. DDA instructions that address Condition Code (V) WMM will be sent to the ammunition supply point and installation Environmental Department.

030703. Disposition of Munitions at Munitions Response Sites (MRSs)

The Marine Corps DDA does not provide disposition instructions for UXO, discarded military munitions, or munitions constituents being managed at MRSs. Management of these type items is governed by the process as defined by MCO 8020.10 (Reference (i)) and agreements typically made between installation environmental managers, Naval Facilities, and state regulators. Agreements regarding appropriate waste determinations and management processes should be documented in statements of work, work plans, and other appropriate munitions response program documents. Emergency response procedures, roles/responsibilities of EOD, and applicable

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emergency permits for on-installation destruction of military munitions should also be agreed upon by stakeholders and documented.

0308 HAZARDOUS WASTE MILITARY MUNITIONS ACCUMULATION AND STORAGE

Storage of hazardous waste military munitions will comply with DoD, Department of the Navy, and Marine Corps explosives safety policies and regulations, regardless of whether hazardous waste military munitions are accumulated onsite for less than 90 days or are stored under a conditional exemption or in a permitted storage facility.

030801. Conditional Exempt for Hazardous Waste Military Munitions Storage

Hazardous waste military munitions may be stored under a conditional exemption as opposed to RCRA hazardous waste storage requirements if those hazardous waste military munitions are stored in accordance with DDESB standards pursuant to 40 CFR 266 (Reference (j)). Additional conditional exemption storage conditions are defined by Reference (j).

030802. Other Hazardous Waste Accumulation and Storage

If hazardous waste military munitions cannot be stored under a conditional exemption, they may be stored in accordance with 40 CFR 264.1200 (Reference (k)) and 40 CFR 265.1200 (Reference (l)). Volume 9 of this Order discusses regulatory hazardous waste storage requirements.

0309 HAZARDOUS WASTE MILITARY MUNITIONS TRANSPORTATION

030901. <u>General</u>

Hazardous waste military munitions transportation occurring on a public or private right-ofway that is within or immediately alongside an installation boundary is subject to state and/or local requirements and not regulated by the Munitions Rule, per Reference (j).

030902. <u>Conditional Exemption for Hazardous Waste Military Munitions</u>

Hazardous waste military munitions may be transported under a CE as opposed to standard RCRA hazardous waste transportation requirements if those hazardous waste military munitions are transported in accordance with DDESB standards and Department of Transportation regulations pursuant to Reference (j). The hazardous waste military munitions will be transported from a military-owned or -operated installation to a military-owned or -operated treatment, storage, or disposal facility. All states within the route of travel shall recognize EPA conditional exemption s

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for transportation. Additional conditional exemption transportation conditions are defined by Reference (j).

030903. <u>Transportation Requirements When a Conditional Exemption is Not</u> Applicable

If CE transportation is not applicable, transportation of hazardous waste military munitions will comply with all federal, state, and local hazardous waste transportation requirements. The installation environmental staff will be contacted prior to shipment of any hazardous waste military munitions.

0310 HAZARDOUS WASTE MUNITIONS CLASSIFICATION

Hazardous waste munitions classification does not include all aspects of range management but focuses on classifying how and when munitions are classified as hazardous waste. Military munitions are not considered solid waste or hazardous waste if they are used for their intended purpose. Examples of intended use include:

031001. <u>Military Training</u>

Training includes use of military munitions to sustain or enhance marine battle skills, military occupational specialty skills, or individual training standards in accordance with applicable Orders and Directives. Emergency destruction training and EOD inerting training are also legitimate training activities. EOD may also use explosives or emergency responses as an opportunity to conduct legitimate training, although this does not mean the emergency is over and is not considered intended use of the item.

031002. <u>Unused Propellant</u>

Destruction of unused propellant when such destruction is conducted as a result of military occupational specialty training required by an individual training standard.

031003. Operational Range Clearance

Military munitions being destroyed as part of operational range clearance for the safe and sustainable use of operational ranges.

0311 OPERATIONS SUBJECT TO THE MILITARY MUNITIONS RULE

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The following activities are subject to provisions as defined by Reference (d), other applicable federal, state, or local hazardous waste management requirements (some of the activities are prohibited by Marine Corps policy):

031101. <u>Used Military Munitions Transported Off-Range for Disposal</u>

Used military munitions, if recovered and removed from an operational range for the purpose of storage or treatment prior to disposal, are considered solid waste and potentially hazardous waste military munitions. Military munitions removed from an operational range for research, development, test, and evaluation; reuse; or repair are not solid waste until declared so by the DDA.

031102. <u>Burial</u>

Unused or used military munitions disposed of by deliberate burial on or off an operational range are solid waste and will be managed as such. Disposal by burial or burial in an attempt to circumvent ammunition turn-in procedures is strictly prohibited. At no time will buried munitions be managed as anything other than solid waste. Similarly, munitions deposited in solid waste dumpsters or other containers as a means of disposal or to circumvent turn-in will be managed as solid waste.

031103. Fired Off-Range

Military munitions that land off an operational range, are retrieved and not promptly rendered safe in accordance with EOD 60-series publications, will be managed as solid waste.

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The original publication date of this Marine Corps Order (MCO) Volume (right header) will not change unless/until a full revision of the MCO has been conducted.All Volume changes denoted in blue font will reset to black font upon a full revision of this Volume.					
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CHAPTER 4

RESPONSIBILITIES

0401 CMC (LF)/COMMANDER MCICOM (GF)

CMC (LF)/Commander MCICOM (GF) shall:

040101. Assist installations in resolving hazardous waste military munitions management disputes with federal, state, or local regulatory agencies.

040102. Oversee the REVA program to ensure long-term protection of human health and the environment while sustaining ranges for future use.

040103. Provide environmental expertise for the execution of this Volume (e.g., Subpart X permitting issues, WMM transportation procedures, qualified recycling program operations, range sustainability and overall environmental compliance).

0402 COMMANDING GENERAL (CG) MARINE CORPS EAST, WEST, PACIFIC, AND NATIONAL CAPITAL REGION

CG Marine Corps East, West, Pacific, and National Capital Region shall identify and promote opportunities for regional environmental initiatives and contracting support to gain efficiencies. Create environmental program efficiencies by collectively funding studies, coordinating common training programs, developing appropriate Memorandums of Agreement between stakeholders (e.g., Marine Corps Training and Education Command installations, Marine Aircraft Wings, Resident Officer In Charge of Construction offices, etc.) and the Region, and facilitating mutual support between installations as practicable.

0403 COMMARCORSYSCOM

As the Marine Corps Executive Agent for military munitions life-cycle management and the DDA for Class V(W) military munitions shall:

040301. Develop Marine Corps WMM implementation policy and coordinate that policy with CMC (LF)/MCICOM (GF) and CMC Logistics, Plans, Policies, and Strategic Mobility Division.

040302. Provide installations disposition instructions for Class V(W) excess, unserviceable, and obsolete military munitions.

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040303. Conduct the MR portion of environmental compliance evaluations. Report findings and trends to CMC (LF)/MCICOM (GF). Identify explosives safety hazards associated with management of WMM and processing of range residue and other MPPEH.

040304. Promote Marine Corps awareness of military munitions resource, recovery, and recycling methods. Coordinate with CMC (LF)/MCICOM (GF) to distribute recycling methods information to installations.

040305. Implement hazardous waste military munitions management training programs, and train personnel involved with hazardous waste military munitions and MPPEH management.

040306. Implement the DDESB explosive safety requirements when conducting munition responses, when applicable.

0404 <u>COMMANDING GENERAL (CG)/COMMANDING OFFICER (CO) OF MARINE CORPS</u> INSTALLATION AND COMMARFORRES

CG/CO of Marine Corps Installation and COMMARFORRES shall:

040401. Identify, evaluate, and comply with applicable federal, state, and local hazardous waste military munitions management requirements or applicable country-specific final governing standards (FGS).

040402. Designate, in writing, an individual responsible for managing the hazardous waste military munitions component of the installation hazardous waste management program, coordinating with other DoD and regulatory organizations, and managing the REVA program at the installation.

040403. Include hazardous waste military munitions in the installation's hazardous waste Management Plan and Contingency Plan.

040404. Designate personnel technically qualified to certify and verify MPPEH as material documented as hazardous and MDAS.

040405. Ensure all MPPEH is certified and verified as MDAS before their release to the public.

040406. Forward recommendations for improving hazardous waste military munitions policy and environmental range sustainability to CMC (LF)/MCICOM (GF) and Commander, Marine Corps Systems Command.

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040407. Program and budget for services, personnel, facilities, and equipment necessary to comply with applicable federal, state, and local hazardous waste military munitions management requirements or applicable country-specific FGS.

040408. Assist tenants and contractors in developing their hazardous waste military munitions management programs and processes for managing MPPEH.

040409. Coordinate hazardous waste military munitions, MPPEH management, and REVA among EOD, Range Control, environmental, explosives safety, and ammunition management personnel.

040410. With participation from installation tenants, modify installation orders, instructions, plans, and standard operating procedures to comply with this Volume.

0405 MARINE CORPS REGIONAL ENVIRONMENTAL COORDINATORS

Marine Corps Regional Environmental Coordinators shall:

040501. Coordinate, both within the region and with CMC (LF)/MCICOM (GF), significant regional installation WMM management issues.

040502. Assist installation environmental office personnel with developing and implementing memoranda of understanding/memoranda of agreement for explosives or munitions emergency response.

0406 COMMANDING GENERAL (CG)/COMMANDING OFFICER (CO) OF MARINE CORPS TENANT COMMANDS/UNITS

CG/CO of Marine Corps Tenant Commands/Units shall:

040601. Participate in updating the host installation's hazardous waste military munitions and MPPEH management documents.

040602. Develop tenant command/unit orders or instructions necessary to implement the host installation's hazardous waste military munitions and MPPEH management program and REVA program.

040603. Designate, in writing, hazardous waste military munitions management personnel responsible for coordinating command/unit hazardous waste military munitions compliance matters with the host installation.

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040604. Comply with applicable federal, state, and local hazardous waste military munitions management requirements or applicable country-specific FGS.

040605. Assist the host installation in completing regulatory reports involving hazardous waste military munitions.

040606. Participate and provide necessary documentation and information, as applicable, to the host installation in completing REVA when necessary.

040607. Program and budget for services, personnel, facilities, and equipment necessary to comply with applicable federal, state, and local hazardous waste military munitions and MPPEH management requirements or applicable country-specific FGS.

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	SUMMARY	OF SUBSTANTIVE CHANGES	
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APPENDIX A

FEDERAL STATUTES, FEDERAL REGULATIONS, EXECUTIVE ORDERS, AND DOD POLICIES

1 FEDERAL STATUTES

a. <u>Resources Conservation and Recovery Act (RCRA) of 1976, 42 U.S.C. 6901 et seq.</u>

Congress enacted RCRA to protect human health and the environment from hazards associated with solid waste and hazardous waste generation, transportation, treatment, storage, and disposal. Major RCRA revisions are included in the Federal Facilities Compliance Act (FFCA).

b. Federal Facility Compliance Act (FFCA), Section 107, 42 U.S.C. §3004(y)

FFCA section 107, added as section 3004(y) of RCRA, required the EPA, in consultation with DoD, to promulgate regulations identifying when military munitions become HW and to provide for the safe management of such wastes.

2 FEDERAL REGULATIONS

a. <u>40 CFR Part 266, Subparts 200 – 206, Military Munitions Rule (MR)</u>

The MR identifies requirements for management of Waste Military Munitions and explosives or munitions emergency responses.

3 DEPARTMENT OF DEFENSE (DOD) POLICY

a. <u>DoD Instruction (DoDI) 4140.62, "Material Potentially Presenting an Explosive</u> <u>Hazard [MPPEH]," April 24, 2007</u>

This regulation outlines DoD's policy to manage MPPEH in a manner that supports operational readiness and mission requirements, complies with supply chain material management policies, explosives safety standards, and environmental requirements.

b. <u>DoDI 4715.14, "Operational Range Assessments," November 30, 2005</u>

DoDI 4715.14 establishes and implements procedures to assess the potential environmental impacts of military munitions use on operational ranges.

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c. <u>DoD Directive (DoDD), 4715.11, "Environmental and Explosives Safety</u> <u>Management on Operational Ranges Within the United States," April 24, 2007</u>

DoDD 4715.11 establishes policy and assign responsibilities for sustainable use and management of operational ranges located within the United States and the protection of DoD personnel and the public from explosive hazards on operational ranges located within the United States.

d. <u>DoDD, 4715.12, "Environmental and Explosives Safety Management on Operational</u> <u>Ranges Outside the United States," April 24, 2007</u>

The purpose of this Directive is to establish policy and assign responsibilities for sustainable use and management of operational ranges located outside the United States and the protection of DoD personnel and the public from explosive hazards on operational ranges located outside the United States.